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share live video feeds with first responders and send mass notifications to key stakeholders inside and outside the school, helping schools to detect, respond and resolve safety and security threats. The principal products within each segment, by technology, are described below: Products and Systems Integration Segment In 2024, the segment's net sales were \$6.9 billion, representing 64% of our consolidated net sales. A LMR Communications Our LMR Communications technology includes infrastructure and devices for LMR, as well as devices for public safety Long Term Evolution (LTE) and public carrier LTE. Our technology enables voice and multimedia collaborations across two-way radio, Wi-Fi and public and private broadband networks. We are a global leader in the two-way radio category, including Project 25 (P25), Terrestrial Trunked Radio (TETRA) and Digital Mobile Radio (DMR), as well as other PCR solutions. We also deliver LTE solutions for public safety, government and commercial users, including devices operating in both low-band and mid-band frequencies, including Citizens Broadband Radio Service (CBRS) frequencies. We also offer High Frequency (HF) and Very High Frequency (VHF) communications technology to military, government and relief agency customers who require dynamic and mobile point-to-point voice communications in remote environments without the need for fixed infrastructure. We believe that public safety agencies and enterprises continue to trust LMR communications systems and devices because they are purpose-built and designed for reliability, availability, security and resiliency to help keep people connected even during the most challenging conditions. By extending our two-way radios with broadband data capabilities, we strive to provide our customers with greater functionality and multimedia access to the information and data they need in their workflows. Examples include application services such as GPS location to better protect lone workers, job dispatch to assign tasks and work orders and over-the-air programming to optimize device uptime. Our view is that complementary data applications such as these enable government, public safety and enterprise customers to work more efficiently and safely, while maintaining their mission-critical voice communications to remain connected and working in collaboration with others. Primary sources of revenue for this technology come from selling devices and building communications systems, including the installation and integration of our infrastructure equipment within our customers' technology environments. The LMR technology within the Products and Systems Integration segment represented 83% of the net sales of the total segment in 2024. Video Our Video technology includes video management infrastructure, AI-powered security cameras including fixed and certain mobile video equipment, as well as on-premises and cloud-based access control solutions. We deploy video security and access control solutions to thousands of government and enterprise customers around the world, including schools, transportation systems, healthcare centers, public venues, commercial real estate, utilities, prisons, factories, casinos, airports, financial institutions, government facilities, state and local law enforcement agencies and retailers. Organizations such as these utilize video security and access control to verify critical events or incidents in real-time and to provide data to investigate an event or incident after it happens. Our view is that government and public safety customers are increasingly turning to video security technologies, including fixed and mobile cameras, to increase visibility, accountability and safety for communities and first responders alike. The Video technology within the Products and Systems Integration segment represented 17% of the net sales of the total segment in 2024. Software and Services Segment In 2024, the segment's net sales were \$3.9 billion, representing 36% of our consolidated net sales. LMR Communications LMR Communications services include support and managed services, which offer a broad continuum of support for our customers. Support services include repair and replacement, technical support and preventative maintenance, and more advanced offerings such as system monitoring, software updates and cybersecurity services. Managed services range from partial to full operational support of customer-owned or Motorola Solutions-owned communications systems. Our customers' systems often have multi-year or multi-decade lifespans that help drive demand for software upgrades, device and infrastructure refresh opportunities, as well as additional services to monitor, manage, maintain and secure these complex networks and solutions. We strive to deliver services to our customers that help improve performance across their systems, devices and applications for greater safety and productivity. Given the mission-critical nature of our customers' operational environments, we aim to design the LMR networks they rely on for availability, security and resiliency. We have a comprehensive approach to system upgrades that addresses hardware, software and implementation services. As new system releases become available, we work with our customers to upgrade software, hardware, or both, with respect to site controllers, comparators, routers, LAN switches, servers, dispatch consoles, logging equipment, network management terminals, network security devices such as firewalls and intrusion detection sensors, on-site or remotely. The LMR technology within the Software and Services segment represented 60% of the net sales of the total segment in 2024. Video Video software includes video network management software, decision management and digital evidence management software, certain mobile video equipment and advanced vehicle location data analysis software, including license plate recognition. Our software is designed to complement video hardware systems, providing end-to-end video security to help keep people, property and places safe. Our video network management software is embedded with AI-powered analytics to deliver operational insights to our customers by bringing attention to important events within their video footage. Given the growing volume of video content, we believe that analytics are critical to delivering meaningful, action-oriented insights. Our view is that these insights can help to proactively detect an important event in real time as well as reactively search video content to detect an important event that occurred in the past. For example, AI-powered analytics can highlight a person at a facility out of hours (unusual activity), locate a missing child at a theme park (appearance search), flag a vehicle of interest at a school (license plate recognition), send an alert if doors to a restricted area are propped open at a hospital (access control), or trigger a school's customized lockdown plan while simultaneously alerting first responders and sharing video footage from inside the school. 5. Our cloud technologies can offer organizations the ability to access, search and manage their video security, intrusion and access control system from a centralized dashboard, accessible on remote devices such as smartphones and laptops. Additionally, our on-premises fixed video systems can be connected to the cloud, providing our customers with the ability to securely access and manage video across their sites from a remote or central monitoring location. We believe that governments, public safety agencies and enterprises are increasingly turning to scalable, cloud-based multi-factor authentication access control to make their facilities more secure. Our Video services include our "video-as-a-service" subscription-based offerings for law enforcement, simplifying procurement by bundling hardware and software into a single subscription. For example, body cameras and in-car video systems can be paired with either on-premises or cloud-based digital evidence management software and complementary command center products. Our cloud solutions are also sold as-a-service, available as single-year to multi-year hosted services, supporting our customers with upgrades and software enhancements to help ensure system performance and technological advancement. The Video technology within the Software and Services segment represented 20% of the net sales of the total segment in 2024. Command Center Our Command Center portfolio consists of cloud-native, on-premises and hybrid software solutions that support the complex process of the public safety workflow from "911 call to case closure." From the moment a person contacts 911, an array of individuals engage to gather information, coordinate a response and manage the incident to resolution. These individuals include call takers who answer and triage 911 calls; dispatchers who route calls to police, fire and emergency medical services to manage the response; first responders who support on scene; intelligence analysts who support the incident; records and evidence specialists who preserve information and evidence; detectives who manage cases; crime analysts who identify patterns and accelerate investigations; and corrections officers who oversee jail and inmate management. To help ensure that individuals within the public safety workflow can work as efficiently, effectively and safely as possible, we believe it's important that individuals within enterprises and communities can communicate and collaborate directly with public safety agencies, particularly during emergencies. Our Command Center portfolio offers solutions that are designed to help community members, enterprises and public safety agencies work together and share information in an effort to help prevent critical events from escalating and better inform an emergency response when an incident unfolds. Our Command Center software is designed to support an emergency response. In the 911 communications center, we offer call-taking and management software (including multimedia communication capabilities and AI-powered call transcription and language translation), and voice and computer-aided dispatch software to assign first responders to incidents. For emergency management teams, we offer mass notification and alerting (including panic button mobile applications), and incident collaboration software that aids in coordinating a multi-disciplinary response. In the field, we offer mobile applications that help first responders to collaborate with each other, remain connected to the information they need, manage an incident, capture critical information to support investigations, and remotely file reports. For information and support services teams, we offer integrated records and evidence management software, as well as solutions for managing tips and publishing crime maps to aid community engagement. For intelligence and investigations teams, we offer software that can unify voice, video and data in order to increase situational awareness from a single map-based view during a real-time incident response, and investigative tools to help uncover connections across records to generate leads and help close cases. For enterprises, we provide incident management and business resilience solutions that help secure people and facilities, as well as share information with public safety when an incident necessitates it. Another area of public safety evolution is the increasing adoption of Next Generation 911 Core Services (NGCS), a group of products and services needed to create infrastructure connectivity in order to process a 911 call using Next Generation (NG) technology. The NG infrastructure is an Emergency Service IP Network ("ESInet"), which can carry voice, data and multimedia. ESInet enables 911 call takers at public safety answering points to respond to text, video and data. Our NGCS can be offered as a managed service and includes call routing, ESInet, location services, geographic information services, cybersecurity and our continuous communications network and security operations center dedicated to public safety. Command Center also includes interoperability solutions that provide connectivity across LMR and broadband networks to help ensure that communication is not limited by coverage area, network technology or device type. Additionally, Command Center includes push-to-talk ("PTT") devices that deliver voice communications over LTE and Wi-Fi, and advanced back-end systems that enable and manage interoperable communications, capable of scaling from small enterprises to nationwide cellular networks. For example, a two-way radio network can connect with an LTE network, assisting individuals in communicating securely and more easily across technologies. These solutions can provide our public safety customers with the critical interoperability between multiple agencies' networks, facilitating a coordinated response. Finally, as the Command Center market continues to evolve from on-premises to hybrid and cloud technologies to improve their operations, we offer both cloud-native applications and cloud features that enhance on-premises applications. We believe this flexibility helps our customers to optimize their investments and enhance their systems with the technologies of their choice. The Command Center technology within the Software and Services segment represented 20% of the net sales of the total segment in 2024. 6. Our Customers and Contracts We serve government agencies, state and local public safety agencies, as well as commercial and industrial customers. Our customer base is fragmented and widespread when considering the many levels of government, public safety agency and private sector decision-makers that procure and use our products and services. Serving this global customer base spanning federal, state, county, province, territory, municipal, and departmental independent bodies, along with our enterprise and industrial customers, requires a significant go-to-market investment. Our sales model includes both direct sales by our in-house sales force, which tends to focus on our largest accounts, and sales through our channel partner program. Our trained channel partners include independent dealers, distributors and software vendors around the world. The dealers and distributors each have their own sales organizations that complement and extend the reach of our sales force. The independent software vendors offer customized applications that meet the specific needs of the customers we serve. Our largest customer is the U.S. government (through multiple contracts with its various branches and agencies, including the armed services) representing approximately 9% of our consolidated net sales in 2024. The loss of this customer could have a material adverse effect on our revenue and earnings over several quarters as many of our contracts with the U.S. government are long-term in nature. All contracts with the U.S. government, and certain other government agencies within the U.S., are subject to cancellation at the customer's convenience. For a discussion of risks related to these contracts and customer relationships, please refer to Part I, Item 1A, Risk Factors in this Form 10-K. Payment terms with our customers vary worldwide. Generally, contractual payment terms range from 30 to 45 days from the invoice date within North America and typically do not exceed 90 days from the invoice date in regions outside of North America. A portion of our contracts include implementation milestones, such as delivery, installation, and system acceptance, which generally take six months to two years to complete. Invoicing the customer is typically dependent on completion of the milestones. We generally do not grant extended payment terms. As required for competitive reasons, we may provide long-term financing in connection with equipment purchases. Financing may cover all or a portion of the purchase price. Refer to Part I, Item 1A, Risk Factors in this Form 10-K for a discussion of risks related to requests by customers to provide vendor financing. Generally, our contracts do not include a right of return, other than for standard warranty provisions. Due to customer purchasing patterns and the cyclical nature of the markets we serve, our sales historically have tended to be somewhat higher in the second half of the year, with the fourth quarter being the highest. Competition We operate in highly competitive markets that are sensitive to technological advances. Competitive factors in these markets include product quality and reliability, technological capabilities, cost-effectiveness and industry experience. In operating in these competitive markets, we have broadened how we work with our customers, expanding from our global LMR technology platform to include an integrated suite of physical security solutions via our Video and Command Center capabilities. The interplay of technologies, guided by our deep knowledge of public safety and enterprise workflows, delivers customers one connected system to unify their critical communications, video security, access control, data, and analytics streams. We experience widespread competition from a growing number of existing and new competitors. Our major competitors within our LMR, Video and Command Center technologies include the following companies: Technology Competitor LMR Airbus, BK Technologies, Hytera, iCOM, JVCKenwood Corporation, L3Harris Technologies, RCA, Samsung, Sepura, Tait, Zebra Video Allegion, Assa Abloy, Axis Communications, Axon Enterprise, Bosch, Brivo, Dahua Technology Company, dornakaba, Eagle Eye Networks, Flock, Genetec, Hanwha Group, Hikvision, Honeywell, Johnson Controls, Milestone Systems, Rhombus, Spectrum Brands, Verkada Command Center AlertMedia, Axon Enterprise, Carbyne, CentralSquare Technologies, Comtech Telecommunications, Everbridge, Hexagon, Intrado, Mark43, NICE Public Safety, Onsolve, Oracle Public Safety, Tyler Technologies, Versaterra Other Information Backlog Our backlog includes orders that have been received and are believed to be firm. As of December 31, 2024 and December 31, 2023, our backlog was as follows: A December 31 (in millions) 2024 2023 Products and Systems Integration \$4.135A \$4.993A Software and Services 10.562A 9.266A \$14.697A \$14.259A Approximately 57% of the Products and Systems Integration segment backlog and 24% of the Software and Services segment backlog is expected to be recognized as revenue during 2025. The firmness of such orders is subject to future events that may cause the amount recognized to change. In 2023, our backlog in the Software and Services segment for Airwave services contracted with the Home Office through December 31, 2026 was reduced by \$777A million to align with the legal order imposed by the Competition and Markets Authority ("CMA") which implemented a prospective price control on Airwave (the "Charge Control"). In 2024, as a result of the Home Office's notice of a contract extension (the "Deferred National Shutdown Notice"), we recorded additional backlog of \$748 million to reflect an incremental three years of services extending through December 31, 2029. Subsequently, we filed an action with the U.K. High Court challenging the Deferred National Shutdown Notice as being in breach of U.K. procurement and public law. The trial in this matter is currently set to commence on April 22, 2025. The backlog related to the incremental years of service contemplated in the Deferred National Shutdown Notice could change depending on the outcome of proceedings. Refer to "Part I. Item 1A. Risk Factors" of this Form 10-K for a discussion of the risks and uncertainties associated with our Airwave contract with the U.K. 8. Recent Acquisitions Segment Technology Acquisition Description Purchase Price Date of Acquisition Software and Services Command Center 3tc Software Provider of control room software solutions. \$22 million and share-based compensation of \$4 million October 29, 2024 Software and Services Command Center Noggin Provider of cloud-based business continuity planning, operational resilience and critical event management software. \$91 million and share-based compensation of \$19 million July 1, 2024 Software and Services Video Security and Access Control Unmanned vehicle location and management solutions business Provider of vehicle location and management solutions. \$132 million and share-based compensation of \$3 million July 1, 2024 Products and Systems Integration Video Security and Access Control Silent Sentinel Provider of specialized, long-range cameras. \$37 million February 13, 2024 Products and Systems Integration Video Security and Access Control IP Video Creator of a multifunctional safety and security device. \$170 million and share-based compensation of \$5 million December 15, 2023 Software and Services Command Center Rave Mobile Provider of mass notification and incident management services. \$553 million and share-based compensation of \$2 million December 14, 2022 Products and Systems Integration LMR Communications Futurecom Provider of radio coverage extension solutions. \$30 million October 25, 2022 Products and Systems Integration LMR Communications Barrett Communications Provider of specialized radio communications. \$18 million August 8, 2022 Products and Systems Integration Video Security and Access Control Videotec Provider of ruggedized video security solutions. \$23 million and share-based compensation of \$4 million May 12, 2022 Software and Services Video Security and Access Control Calipsa Provider of cloud-native advanced video analytics. \$39 million and share-based compensation of \$4 million April 19, 2022 Software and Services LMR Communications TETRA Ireland Provider of Ireland's National Digital Radio Service. \$120 million March 23, 2022 Products and Systems Integration Software and Services Video Security and Access Control Ava Provider of cloud-native video security and analytics. \$388 million and share-based awards and compensation of \$7 million March 3, 2022 Research and Development We prioritize investments in research and development ("R&D") to expand and improve our products through both new product introductions and continuous enhancements to our core products. A Our R&D programs are focused on

the development of LMR Communications, Video and Command Center.R&D expenditures were \$917 million in 2024, \$858 million in 2023 and \$779 million in 2022. As of December31, 2024, we had approximately 9,000 employees engaged in R&D activities. In addition, we engage in R&D activities with joint development and manufacturing partners and outsource certain activities to engineering firms to further supplement our internal spend. Intellectual Property MattersPatent protection is an important aspect of our operations. We have a portfolio of U.S. and foreign utility and design patents relating to our products, systems and technologies, including developments in radio frequency technology and circuits, wireless network technologies, over-the-air protocols, mission-critical communications, software and services, video security and access control, and next-generation enterprise and public safety. Each year, we also file new patent applications with the U.S. Patent and Trademark Office and foreign patent offices.We license some of our patents to third-parties, but licensing is not a significant source of revenue for our business. We are also licensed to use certain patents owned by others. Royalty and licensing fees vary from year to year and are subject to the terms of the agreements and sales volumes of the products subject to the license. Motorola Solutions has a royalty-free license under all of the patents and patent applications assigned to Motorola Mobility at the time of the separation of the two businesses in 2011.We actively participate in the development of standards for interoperable systems. Our patents are used in standards in which our products and services are based. We offer standards-based licenses to those patents on fair, reasonable and non-discriminatory terms. We believe that our patent portfolio will continue to provide us with a competitive advantage in our core product areas as well as provide leverage in the development of future technologies. While we are not dependent upon a single patent or even a few patents, we do have patents that protect features and functionality of our products and services. While these patents are important, our success also depends upon our extensive know-how, innovative culture, technological leadership and distribution channels. We do not rely solely on patents or other intellectual property rights to protect or establish our market position; however, we will enforce our intellectual property rights when it is necessary to protect our innovation, or in some cases where attempts to negotiate mutually-agreeable licenses are not successful.We seek to obtain patents, copyright registrations, and trademark registrations to protect our proprietary positions whenever possible and wherever practical. As of December31, 2024, we owned approximately 6,485 granted patents in the U.S. and foreign countries andÃ have had approximately 725 U.S. and foreign patent applications pending.Ã Foreign patentsÃ and patent applications are mostly counterparts of our U.S. patents. During 2024, we were granted approximately 265 patents in the U.S. and in foreign countries.We no longer own certain logos and other trademarks, trade names and service marks, including MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M logo and all derivatives thereof (Ã Motorola MarksÃ) and, since 2010, we have licensed the Motorola Marks from Motorola Trademark Holdings, LLC, which is currently owned by Motorola Mobility. For a description of the risks we face related to intellectual property, refer to ÃPart 1. Item 1A. Risk FactorsÃ of this Form 10-K.Inventory and Raw MaterialsOur practice is to carry inventory levels to meet customers' delivery requirements. We provide custom products that require the stocking of inventories and a large variety of piece parts and replacement parts in order to meet delivery and warranty requirements. To the extent supplier product life cycles are shorter than ours, stocking of lifetime buy inventories may be required to meet long-term warranty and contractual requirements. In addition, replacement parts are stocked for delivery on customer demand within a short delivery cycle. We currently procure certain materials and components from single-source vendors. A material disruption from a single-source vendor may have a material adverse impact on our results of operations. If certain single-source suppliers were to become capacity-constrained or insolvent, it could result in a reduction or interruption in supplies or an increase in the price of supplies and adversely impact our financial results. In addition, we import materials and components that are subject to import duties. As of December 31, 2024, the duties and tariffs we are subject to did not have a significant impact on our financial results.We engage with global contract manufacturers who manufacture the majority of our products, across a diverse network of manufacturing locations worldwide, including facilities for our products in Mexico, Malaysia and Canada. We also manufacture, assemble, customize, stage and integrate products in the U.S.Labor is generally available in reasonable proximity to our manufacturing facilities and the manufacturing facilities of our largest outsourced manufacturing suppliers. As needed, we may subcontract work to other companies to fulfill customer needs in geographical areas that we do not have coverage for or for additional services that we do not provide.

10Natural gas, electricity and, to a lesser extent, oil are the primary sources of energy for our manufacturing operations. In addition, other rare earth materials are components used within our semiconductor manufacturing operations. Each of these resources is currently in adequate supply for our operations. The cost to operate our facilities and freight costs are dependent on world oil prices and external third-party logistics rates for inbound and outbound air lanes. Difficulties in obtaining any of the aforementioned resources, or significant cost increases, could affect our financial results. For a description of risks related to our supply chain, our utilization of third-parties to manufacture our products, and our use of the services of subcontractors, refer to "Part 1. Item 1A. Risk Factors: of this Form 10-K.Government RegulationsEnvironment, Worker Health and Safety & Climate RegulationsSome of our operations, both ongoing and discontinued, are regulated under various federal, state, local and international laws governing the environment and worker health and safety, including those governing the discharge of pollutants into the ground, air and water, the management and disposal of hazardous substances and wastes, and the cleanup of contaminated sites, as well as relating to the protection of the environment. Certain products of ours are subject to various federal, state, local and international laws governing chemical substances in products. Certain aspects of our operations and supply chain have become, and are expected to become, increasingly subject to federal, state, local and international laws, regulations and international treaties and industry standards relating to climate change and other environmental and social impacts, risks and opportunities. For example, in the European Union (the "EU"), the EU Corporate Sustainability Reporting Directive, EU Corporate Sustainability Due Diligence Directive and EU taxonomy initiatives will introduce, in staggered timelines, additional due diligence and disclosure requirements addressing sustainability that will apply to us in the coming years.Radio Spectrum RegulationsRadio spectrum is required to provide wireless voice, data and video communications services. The allocation of frequencies is regulated in the U.S. and other countries and limited spectrum is allocated to wireless services, including commercial and public safety users. We manufacture and market products and provide services in spectrum bands already allocated by regulatory bodies. These include voice and data infrastructure, mobile radios and portable or hand-held devices. Consequently, our results could be negatively affected by the rules and regulations adopted by regulatory agencies. Our products operate both on licensed and unlicensed spectrum. The availability of additional radio spectrum may provide new business opportunities. Conversely, the loss of available radio spectrum may result in the loss of business opportunities. Regulatory changes in current spectrum bands (e.g., the sharing of previously dedicated or other spectrum) may require modifications to some of our products so they can continue to be manufactured and marketed. Based on growing demands for broadband, regulators continue to consider repurposing narrowband spectrum to broadband. Telecommunications RegulationsCertain of our offerings include telecommunications or other communications services that are or may be subject to regulation in various federal, state, and international jurisdictions. For example, we are a provider of selective routing services for 911 calls in the US, which subjects us to various regulations, including those for 911 service reliability. As another example, we provide WAVE PTX push-to-talk offerings with and without telecommunications connectivity in various countries internationally. Additional types of regulations applicable to our offerings that include telecommunications or other communications services may include certification or licensing requirements, cybersecurity and incident reporting obligations, and regulatory fee requirements. If we do not comply with applicable rules and regulations, we could be subject to enforcement actions, fines, and restrictions on our ability to operate or offer certain of our services.Artificial Intelligence and Biometrics RegulationsThe U.S. federal government and many state and local governments have adopted or are considering laws or regulations governing the use of AI and biometrics, including facial recognition and license plate recognition technology, which in some instances cover certain products and services we offer. Similar laws and regulations are being enacted or considered in some jurisdictions outside the U.S., including the EU. Such regulation could impact a number of our products, including video security products that include AI technology.Compliance with the laws currently in effect described above did not have a material effect upon our capital expenditures, earnings or competitive position in 2022, 2023 and 2024. For a description of the risks we face related to these and other regulatory matters, refer to ÃPart 1. Item 1A. Risk FactorsÃ of this Form 10-K.11Human Capital ManagementWe have a "people first" philosophy. Our employees are our driving force, drawn from all segments of our global society to make a difference for our customers. As of DecemberÃ 31, 2024, we employed approximately 21,000 people globally with 51% in the North America region and 49% in the International region. Of our total global employees, 40% were employed in engineering. Our goal is to foster a workplace where our employees feel that their unique perspectives, cultures and abilities contribute to their personal success, as well as our CompanyÃ's success. We believe the next big idea can come from anyone, anywhere, at any time. We offer structured mentorship and rotational programs and invest in employeesÃ development and training, enabling them to network, develop and grow their skills to influence the future of public safety and enterprise security. Employees also have access to a wide variety of technical, functional and professional skills learning resources, including virtual, self-directed courses and on-the-job learning opportunities. We strive for business growth by creating a supportive, equitable and inclusive environment where employees feel engaged, connected to our business and invested in the collective success of our customers and communities. Our human resources team works with leaders within each business function to perform annual talent reviews to assess the performance of every team member and identify development opportunities, which complement our additional specialized training for such leaders to use our corporate values to guide behaviors and lead teams. This comprehensive process fosters growth across our Company by focusing on our high-potential talent and the rigor of succession plan development for our most critical roles. As part of our compensation philosophy, we strive to offer and maintain market-competitive wages, incentives and benefits for our employees to attract and retain talent, and we review our rewards programs each year in an effort to ensure they are competitive with local market practices in the industries and countries where we operate. More specifically, our total rewards package for our global employees includes broad-based stock grants and bonuses, an employee stock purchase plan, healthcare, wellness and retirement benefits, paid parental and family leave, commuter benefits, paid time off (including flexible time off for U.S. exempt employees), flexible work options and other assistance and support for employees going through life-changing events. We are committed to fostering a culture where all of our employees can thrive, our customers and communities are supported, and our partners recognize and share in our values. We invest in a broad spectrum of programs each year to support all employees globally, including our business councils that are open to all employees to enable networking and engagement across the company. We continued to see high levels of employee participation in 2024.The safety of our employees remains a priority, and we continuously strive to provide a safe and injury-free workplace, using our global environmental, health and safety management system to ensure program and reporting consistency at all of our sites. Our general approach includes assessing risks and identifying controls through the use of our comprehensive job hazard and risk assessment tool.Additional information regarding how our purpose and ethics inform our approach to corporate responsibility can be found in our Corporate Responsibility Report, which is available on our website. The information contained on or accessible through our corporate website, including but not limited to our Corporate Responsibility Report, is not incorporated by reference into and is not a part of this Form 10-K.Material DispositionsNone.12Available InformationWe make available free of charge through the Investor Relations section of our website, www.motorolasolutions.com/investors, our annual reports on FormÃ 10-K, quarterly reports on FormÃ 10-Q, current reports on FormÃ 8-K, proxy statements, other reports filed under the Securities Exchange Act of 1934, as amended (ÃExchange ActÃ), and all other reports and amendments filed with, or furnished to, the SEC simultaneously or as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. Our reports are also available free of charge on the SECÃ's website, www.sec.gov. Also available free of charge on our website as provided above are the following corporate governance documents:Ã Motorola Solutions, Inc. Restated Certificate of IncorporationÃ Motorola Solutions, Inc. Amended and Restated BylawsÃ Board Governance GuidelinesÃ Director Independence GuidelinesÃ Principles of Conduct for Members of the Motorola Solutions, Inc. Board of DirectorsÃ Motorola Solutions Code of Business Conduct, which is applicable to all Motorola Solutions employees, including the principal executive officers, the principal financial officer and the controller (principal accounting officer)Ã Audit Committee CharterÃ Compensation and Leadership Committee CharterÃ Governance and Nominating Committee CharterAll of our reports and corporate governance documents may also be obtained electronically and without charge by contacting Investor Relations at investors@motorolasolutions.com. Our website and the information contained therein or incorporated therein are not incorporated by reference into and are not a part of this FormÃ 10-K.13Item 1A: Risk FactorsYou should carefully consider the risks described below in addition to our other filings with the SEC and the other information set forth in this Form 10-K, including the ÃCorporate ManagementÃ's Discussion and Analysis of Financial Conditions and Results of OperationsÃ section in Part II. Item 7 and our consolidated financial statements in Part II. Item 8. If any of the risks and uncertainties described in the cautionary factors described below actually occur or continue to occur, our business, financial condition, results of operations, reputation and the trading price of our common stock could be materially and adversely affected. These risks may be amplified by the effects of macroeconomic events or developments. Moreover, the risks below are not the only risks we face and additional risks not currently known to us or that we presently deem immaterial may emerge or become material at any time and may negatively impact our business, financial condition, results of operations, reputation or the trading price of our common stock. Risks Related to Our Ability to Grow Our BusinessAs we introduce new products and services and enhance existing products and services in our segments, we may face increased areas of risk related to the success of such products and services that we may not be able to properly assess or mitigate, as well as increased competition and additional compliance obligations, each of which could harm our reputation, market share, results of operations and financial condition or result in additional obligations or liabilities for our business.The markets for certain products and services of ours are characterized by evolving technologies, industry standards and customer preferences. For example, the software and video security industries are characterized by rapidly changing customer preferences in favor of cloud solutions and the adoption of AI capabilities. In some cases, it is unclear what specific technology will be adopted in the market or what delivery model will prevail. As another example, there are long standing initiatives by governments in several countries to transition public safety communications away from LMR networks onto public mobile broadband networks. While such initiatives have gained little traction to date, if customers conclude that public mobile broadband networks, potentially augmented with emerging technologies, provide adequate resiliency, coverage, control, and cost for their critical communication needs, it could adversely affect our LMR Communications sales. The process of developing new products and services and enhancing existing products and services to meet such evolving technologies, industry standards and customer preferences is complex, costly and uncertain. Any failure by us to effectively, timely, and frequently introduce new products and services or enhance current products and services, including by accurately predicting technological and business trends, controlling research and development costs or executing our strategy, could significantly harm our reputation, market share, results of operations and financial condition. Many of our products and services are complex and we may experience delays in completing development or introducing new products or services in the future.In addition, new technologies and new competitors continue to enter our markets at a faster pace than we have experienced in the past, resulting in increased competition. We may face increasing competition from both incumbents and emerging competitors as customer contracts become larger, more complicated, and include an expanded range of services or complex product requirements. Expansion of our products and services may result in the applicability of new legal and regulatory requirements and restrictions and compliance obligations. Failure to comply with such restrictions or obligations could result in liabilities, including potential enforcement actions, fines, penalties or reputational harm, or increase the costs of doing business or delay or limit the range of new products and services we may be able to offer. Catastrophic events may interrupt our business, or our customersÃ or suppliersÃ business, which may adversely affect our business, results of operations, financial position, cash flows and stock price.Our business operations, and the operations of our customers and suppliers, are subject to interruption by natural disasters (including climate change-related events), flooding, fire, power shortages, the widespread outbreak of infectious diseases and pandemics, terrorist acts or the outbreak or escalation of armed hostilities, and other events beyond our control. Catastrophic events could have varied impacts such as those experienced during the COVID-19 pandemic, including impacts to our workforce and supply chain, inflationary pressures and increased costs, schedule or production delays, market volatility and other financial impacts. These events have had, and in the future could continue to have, a negative impact on our ability to manage our business and/or cause disruption of economic activity, which could have an adverse effect on our business, results of operations, financial position, cash flows and stock price.Social, ethical, environmental, and competitive risks relating to the use of AI in our products and services could adversely affect our results of operations and business reputation.We envision a future in which AI operating in our products and services will help our public safety and enterprise customers build safer communities. As we increasingly leverage AI, including generative AI, in our offerings, we may enable or offer products and services that draw controversy due to their actual or perceived impact on social and ethical issues resulting from the use of new and evolving AI. AI, including generative AI, may not always operate as intended and datasets may be insufficient or contain biased, harmful or offensive information, which could negatively impact our results of operations, environmental, social and governance (ESG) reputation, business reputation or customersÃ acceptance of our AI offerings. Additionally, the energy consumption in data centers necessary to power AI systems may lead to actual or perceived environmental issues. Although we work to responsibly meet our customersÃ needs for products and services that use AI,

including through AI governance programs and internal technology oversight committees, we may still suffer reputational or competitive damage as a result of any inconsistencies in the application of the technology or ethical concerns, both of which may generate negative publicity.¹⁴Further, we face significant competition from other companies that are developing their own AI systems. Other companies may develop AI systems that are similar or superior to our technologies or more cost-effective to develop and deploy. Additionally, customer demand for AI-based analytics may continue to increase at a fast rate. Therefore, the research and development cost we may incur to compete with such AI systems and meet increased customer demand for AI-based analytics may increase the cost of our offerings. If we are unable to mitigate these risks, our results of operations may be adversely affected. We expect to continue to make strategic acquisitions of other companies or businesses and these acquisitions introduce significant risks and uncertainties, including risks related to integrating the acquired businesses and achieving benefits from the acquisitions. In order to position ourselves to take advantage of growth opportunities or to meet other strategic needs such as product or technology gaps, we have made, and expect to continue to make, strategic acquisitions that involve significant risks and uncertainties. These risks and uncertainties include: (i) the inability to realize our business plan with respect to the acquired businesses, (ii) the difficulty or inability in integrating newly-acquired businesses and operations in an efficient and effective manner, including ensuring proper integration of acquired businesses' legal and regulatory compliance programs, information technology systems and financial reporting and internal control systems, (iii) the challenges in integrating acquired businesses to create the operating platform for physical security, (iv) the challenges in achieving strategic objectives, cost savings and other benefits from acquisitions, (v) the risk that our contractual relationships or the markets served do not evolve as anticipated and that the technologies acquired do not prove to be those needed to be successful in those markets, (vi) the potential loss of key employees of the acquired businesses, (vii) the risk of diverting the attention of senior management from our operations, (viii) the risks of entering new markets in which we have limited experience, (ix) future impairments of goodwill, (x) the potential loss of intellectual property due to actions of employees in connection with such acquisitions, (xi) the risks of exposure to new patent assertions by third-parties directed at the technologies of the newly acquired businesses, and (xii) the potential identified or unknown security vulnerabilities in acquired products that expose us to additional security risk. Certain acquisition candidates in the industries in which we participate may carry higher relative valuations (based on revenues, earnings, cash flow, or other relevant multiples) than we do. Acquiring a business that has a higher relative valuation than Motorola Solutions may be dilutive to our earnings. In addition, we may not pursue opportunities that are highly dilutive to near-term earnings. Key employees of acquired businesses may receive substantial value in connection with a transaction in the form of cash payments for their ownership interest, particularly in the case of founders and other shareholder employees, or as a result of change-in-control agreements, acceleration of stock options and the lifting of restrictions on other equity-based compensation rights. To retain such employees and integrate the acquired business, we may offer additional retention incentives, but it may still be difficult to retain certain key employees. Risks Related to the Operation of Our Business If the quality of our products does not meet our customers' expectations or regulatory or industry standards, then our sales and operating earnings, and ultimately our reputation, could be negatively impacted. Some of the products we sell may have quality issues resulting from the design or manufacture of the product, or from the software used in the product. Sometimes, these issues may be caused by components we purchase from suppliers, or from finished products we purchase from other manufacturers, which we then resell to customers. Often these issues are identified prior to the shipment of the products and may cause delays in shipping products to customers, or even the cancellation of orders by customers. Sometimes, we discover quality issues in the products after they have been shipped to our customers, requiring us to resolve such issues in a timely manner that is the least disruptive to our customers, particularly in light of the mission-critical nature of our products. Such pre-shipment and post-shipment quality issues can have legal, financial and reputational ramifications, including: (i) delays in the recognition of revenue, loss of revenue or future orders, or revenue reversals, (ii) customer-imposed penalties for failure to meet contractual requirements, (iii) increased costs associated with repairing or replacing products, and (iv) a negative impact on our goodwill and brand name reputation. In some cases, if the quality issue affects the product's performance, safety or regulatory compliance, then such a defective product may need to be reworked, reworked product may need to be recalled. Depending on the nature of the quality issue and the number of products in the field, it could cause us to incur substantial recall or corrective field action costs, in addition to the costs associated with the potential loss of future orders and the damage to our goodwill or brand reputation. In addition, we may be required, under certain customer contracts, to pay damages for failed performance that might exceed the revenue that we receive from the contracts. Recalls and field actions involving regulatory non-compliance could also result in fines and additional costs. Recalls and field actions could result in third-party litigation by persons or companies alleging harm or economic damage as a result of the use of the products. In addition, privacy advocacy groups and other technology and industry groups have established or may establish various new or different self-regulatory standards that may place additional obligations on us. Our customers may expect us to meet voluntary certifications or adhere to other standards established by third-parties. Alternatively, our customers may expect us to offer products and services to help reduce energy consumption, improve efficiency and minimize greenhouse gas footprints. If we are unable to maintain these certifications or meet these standards, it could reduce demand for our products and adversely affect our business.¹⁵Our future operating results depend on our ability to purchase a sufficient amount of materials, parts, and components, as well as software and services, at acceptable prices to meet the demands of our customers and any disruption to our suppliers or significant increase in the price of supplies has had, and could continue to have a negative impact on our results of operations or financial condition. Our ability to meet customers' demands depends, in part, on our ability to timely obtain an adequate delivery of quality materials, parts, and components, as well as software and services, from our suppliers. If demand for our products or services increases from our current expectations or if, as we have experienced in the past, suppliers are unable to meet our demand for other reasons, including as a result of supply chain constraints; natural disasters (including events related to climate change); import/export restrictions, such as new, expanded or retaliatory tariffs, sanctions, quotas or trade barriers (including recent U.S. tariffs imposed or threatened to be imposed on China, Canada and Mexico and other countries and any retaliatory actions taken by such countries); financial issues or other factors, we have, and could continue to experience an interruption in supply or a significant increase in the price of supply. We expect that any future supply chain effects could also impact our ability to meet customer demand and negatively impact our results of operations. Our suppliers have in the past, and may continue in the future, to significantly and quickly increase their prices in response to increases in costs related to the manufacture, distribution and/or repair of parts and components. As a result, we may not be able to increase our prices commensurately with our increased costs, which could negatively impact our results of operations or financial condition. In addition, certain supplies, including for some of our critical components, software and services solutions, are available only from a single source or limited sources and we may not be able to diversify sources in a timely manner. Where certain supplies are not available from our direct suppliers, we may be required to move to an alternative source or source certain items through the open market, which involves significantly increased prices that are difficult to forecast or predict. Each of these factors may impact our ability to meet customer demand and could negatively impact our results of operations or financial condition. We are exposed to risks under large, multi-year system and services contracts that may negatively impact our business. We enter into large, multi-year system and services contracts with municipal, state, and nationwide government and commercial customers. In some cases, we may not be the prime contractor and may be dependent on other third-parties such as commercial carriers or systems integrators. Our entry into these contracts exposes us to risks, including among others: (i) technological risks, (ii) risk of defaults by third-parties on whom we are relying for products or services as part of our offering or who are the prime contractors, (iii) financial risks, including potential penalties applicable to us if performance commitments in managed services contracts are not met, the estimates inherent in projecting costs associated with such contracts, the fact that such contracts often only receive partial funding initially and may be cancellable on short notice with limited penalties, our inability to recover front-loaded capital expenditures in long-term managed services contracts, the impact of the termination of funding for a government program or the insolvency of a commercial customer, and the impact of currency fluctuations and inflation, (iv) cybersecurity risks, especially in managed services contracts with public safety and enterprise customers that process data, and (v) political or regulatory risks, especially related to the contracts with government customers, including our Airwave contract in the U.K., as described below. With respect to the financial and political or regulatory risks of such contracts, in 2023 the CMA imposed a legal order on Airwave, which implemented the Charge Control. After the Competition Appeal Tribunal ("CAT") dismissed our appeal of the Charge Control, we appealed the CAT's judgment to the United Kingdom Court of Appeal, which denied our application for permission to appeal the CAT's judgment on January 30, 2025. With the United Kingdom Court of Appeal's ruling, revenue will continue to be recognized in accordance with the Charge Control. In addition, after our receipt in March 2024 of the Deferred National Shutdown Notice from the Home Office, we recorded additional backlog of \$748 million to reflect the incremental three years of services related to the extension of the "national shutdown target date" on the Airwave services to December 31, 2029. In April 2024 we filed proceedings in the U.K. High Court challenging the decision of the Home Office to issue the Deferred National Shutdown Notice as being in breach of applicable U.K. procurement and public law, and a hearing on this matter has been set to commence on April 22, 2025. The backlog related to the incremental years of service contemplated in the Deferred National Shutdown Notice could change depending on the outcome of the proceedings. Our employees, customers, suppliers and outsource partners are located throughout the world and, as a result, we face risks that other companies that are not global may not face. Our customers and suppliers are located throughout the world. In 2024, 28% of our revenue was generated outside of North America. In addition, 49% of our employees were employed outside of North America in 2024. Most of our suppliers' operations are outside the U.S. A significant amount of manufacturing and research and development of our products, as well as administrative and sales facilities, takes place outside of the U.S. If the operations in these facilities are disrupted, our business, financial condition, results of operation, and cash flows could be negatively impacted.¹⁶Because of these sizable sales and operations outside of the U.S., we have more complexity in our operations and are exposed to a unique set of global risks that could negatively impact our business, financial condition, results of operations, and cash flows, including but not limited to: (i) currency fluctuations, including but not limited to increased pressure to agree to established currency conversion rates and cost of living adjustments as a result of foreign currency fluctuations, (ii) import/export regulations, tariffs, trade barriers and trade disputes (including recent U.S. tariffs imposed or threatened to be imposed on China, Canada and Mexico and other countries and any retaliatory actions taken by such countries), customs classifications and certifications, including but not limited to changes in classifications or errors or omissions related to such classifications and certifications, (iii) compliance with and changes in U.S. and non-U.S. laws or regulations related to antitrust and competition (such as the CMA's Charge Control and the EU Foreign Subsidies Regulation), anti-corruption (such as the Foreign Corrupt Practices Act and the U.K. Bribery Act), trade, labor and employment, environmental, health and safety, technical standards, consumer protection, intellectual property and data privacy, regulated services such as telecommunications, cybersecurity and AI, (iv) tax issues, such as tax law changes, variations in tax laws from country to country and as compared to the U.S., obligations under tax incentive agreements, and difficulties in securing local country approvals for cash repatriations, (v) reduced financial flexibility given that a significant percentage of our cash and cash equivalents is currently held outside of the U.S., (vi) challenges in collecting accounts receivable, (vii) cultural and language differences, (viii) instability in economic or political conditions, including inflation, recession, the imposition of sanctions and actual or anticipated military or political conflicts and terrorism, (ix) natural disasters, (x) public health issues or outbreaks or pandemics and (xi) litigation in foreign court systems and foreign enforcement or administrative proceedings. Further, the benefits we receive under various agreements we have entered into with non-U.S. governments and agencies relate to our operations and/or sales in such foreign jurisdictions. If our operations or sales are not at levels originally anticipated, we may be at risk of having to reimburse benefits already granted, which could increase our cost of doing business in such foreign jurisdictions. Over the last several years, we have utilized third-parties to develop, design and/or manufacture many of our components and some of our products, and to perform portions of certain business operations such as IT, network connectivity, HR information systems, manufacturing, repair, distribution and engineering services. We expect to continue these practices in the future, which limit our control over these business operations and expose us to additional risk as a result of the actions of our outsource partners. We rely on third-parties to develop, design and/or manufacture many of our components and some of our products (including software), and to assist in performing certain IT, network connectivity, HR information systems, manufacturing, repair, distribution and engineering services. As we outsource more of such operations, we are not able to directly control these activities. We could have difficulties fulfilling our orders and our sales and profits could decline if: (i) we are not able to engage such third-parties with the capabilities or capacities required by our business, (ii) such third-parties lack our desired level of performance or service, lack sufficient quality control or fail to deliver quality components, products, services or software on time and at reasonable prices, (iii) there are significant changes in the financial or business condition of such third-parties, (iv) our third-party providers fail to comply with legal or regulatory requirements (such as the Uyghur Forced Labor Protection Act), (v) we have difficulties transitioning operations to such third-parties, or (vi) such third-parties are disrupted by external events, such as cyberattacks, natural disasters, public health issues, outbreaks or pandemics, extreme weather conditions related to climate change, acts of terrorism or political conflicts. Our reliance on third-parties could, in certain instances, result in reputational damage or even disqualify us from sales opportunities with certain government customers. For example, our supply chain is complex and if our suppliers are unable to verify that components and parts provided to us are free of defined conflict minerals originating from the Democratic Republic of Congo (DRC) or an adjoining country, then we may be required to publicly disclose, as we have disclosed in the past, that we are not currently able to determine if the products we manufactured are DRC conflict-free, which could harm our reputation. Once a business activity is outsourced, we may be contractually prohibited from or may not practically be able to bring such activity back within the Company or move it to another outsource partner. The actions of our outsource partners could result in reputational damage to us and could negatively impact our business, financial conditions, results of operations, and cash flows. We utilize the services of subcontractors to perform under many of our contracts and the inability of our subcontractors to perform in a timely and compliant manner or to adhere to our Human Rights Policy could negatively impact our business. We engage subcontractors, including third-party integrators, on many of our contracts and as we expand our technologies in our segments, our use of subcontractors has and will continue to increase. Our subcontractors may further subcontract performance and may supply third-party products and software from a number of smaller companies. In addition, it is our policy to require our subcontractors and other third-parties with whom we work to operate in compliance with applicable laws, rules and regulations, including our Human Rights Policy (and, in addition, for our suppliers to comply with our Supplier Code of Conduct).¹⁷We may have disputes with our subcontractors, including disputes regarding the quality and timeliness of work performed by the subcontractor or its subcontractors and the functionality, warranty and indemnities of products, software and services supplied by our subcontractor. We are not always successful in passing down customer requirements to our subcontractors or a customer may otherwise look to us to cover a loss or damage, and thus in some cases may be required to absorb contractual risks from our customers without corresponding back-to-back coverage from our subcontractor. Our subcontractors may not be able to acquire or maintain the quality of the materials, components, subsystems and services they supply, or secure preferred warranty and indemnity coverage from their suppliers, which might result in greater product returns, service problems, warranty claims and costs and regulatory compliance issues. Further, one of our subcontractors or other third-parties subject to our Human Rights Policy could fail to comply with such policies or with applicable law or may engage in unethical business practices. Any of the foregoing could cause orders to be canceled, relationships to be terminated or our reputation to be damaged, which could harm our business, financial condition and results of operations. Increasing scrutiny and evolving expectations from investors, customers, lawmakers, regulators and other stakeholders regarding environmental, social and governance (ESG)-related practices and disclosures, as well as recent U.S. based anti-ESG efforts, may adversely affect our reputation, adversely impact our ability to attract and retain employees or customers, expose us to increased scrutiny from the investment community or enforcement authorities or otherwise adversely impact our business and results of operations. There is increasing scrutiny and evolving expectations from investors, customers, lawmakers, regulators and other stakeholders on ESG-related practices and disclosures, including those related to environmental stewardship, climate change, diversity, equity and inclusion ("DEI"), forced labor, and workplace conduct. Regulators have imposed, and likely will continue to impose, ESG-related legislation, rules and guidance, which may conflict with one another and impose additional costs on us or expose us to new or additional risks, including requiring additional reporting that will expand the public's access to our programs and metrics. In addition, recent "anti-ESG" sentiment has gained momentum in the U.S., with certain lawmakers and interest groups having proposed or enacted "anti-ESG" policies, legislation, or initiatives or issued related legal opinions. Furthermore, President Trump recently issued a series of executive orders, some of which target programs related to DEI and climate change. The Trump Administration has indicated that it will continue to scrutinize these programs. Moreover, certain organizations that provide information to investors have developed ratings for evaluating companies on their approach to different ESG-related matters, and unfavorable ratings of us or our industries may lead to negative investor sentiment and the diversion of investment to other companies or industries. We have elected to share publicly our ongoing ESG-related efforts in our

proxy statement, Corporate Responsibility Report, TCFD Report, and on our corporate website. Our business may face higher expectations as well as increased scrutiny related to these activities. Our failure or perceived failure to meet or maintain ESG-related goals or otherwise respond to anti-ESG efforts could harm our reputation, adversely impact our ability to attract and retain employees or customers, expose us to increased scrutiny from the investment community or enforcement authorities or otherwise adversely affect our business and results of operations. Risks Related to Laws and Regulations Existing or future legislation and regulations pertaining to AI, AI-enabled products and the use of biometrics (e.g., facial recognition) or other video analytics that apply to us or to our customers may make it more challenging, costly, or in some cases prohibit certain products or services from being offered or modified and subject us to regulatory and litigation risks and potential liabilities, which could adversely affect our business and results of operations. Current or future legislation and governmental regulations pertaining to AI, AI-enabled products and the use of biometrics or other video analytics may affect how our business is conducted or expose us to unfavorable developments resulting from changes in the regulatory landscape. For example, the AI Act in the EU became law in August 2024, with key obligations applying in stages through August 2027, including key provisions to us applying in early 2025 and August 2026. The AI Act will place significant restrictions on the use of AI for real-time facial biometric identification by law enforcement, and implement significant compliance requirements on the development and use of AI for biometric identification of any kind. Once implemented, the AI Act will also place compliance requirements on a variety of other AI uses by law enforcement, as well as on the companies that develop those products, including us. Other such laws are expected to pass around the globe, including the U.S. and Brazil, in the coming months and years. For example, in 2024, numerous U.S. states considered legislation that would establish a comprehensive regulatory framework for the use of AI. Colorado became the first state to enact such a law for private sector use of AI and New York enacted a law that will regulate public sector use of AI. With respect to biometrics and other analytics, laws such as the Biometric Information Privacy Act in Illinois have restricted the collection, use and storage of biometric information and provide a private right of action of persons who are aggrieved by violations of the act. Additionally, laws such as the California automatic license plate recognition (ALPR) statute regulate the use of ALPRs and provide a private right of action to persons who have suffered actual damages from violation of the statute. The Federal Trade Commission has also previously pursued enforcement actions against companies for the misuse of biometric information and the use of facial recognition technology without implementing appropriate safeguards. Current or future legislation, governmental regulations, and enforcement actions pertaining to biometrics and other analytics have exposed us to, and we expect will continue to expose us to, regulatory and litigation risks. Legislation and governmental regulations related to AI and the use of biometrics and other video analytics may also influence our current and prospective customers' activities, as well as their expectations and needs in relation to our products and services. Compliance with these laws and regulations may be onerous and expensive, and may be inconsistent from jurisdiction to jurisdiction, further increasing the cost of compliance and the risk of liability. It is also not clear how existing and future laws and regulations governing issues such as AI, AI-enabled products, biometrics and other video analytics apply or will be enforced with respect to the products and services we sell. Any such increase in costs or increased risk of liability as a result of changes in these laws and regulations or in their interpretation could individually, or in the aggregate, make our products and services that use AI technologies, biometrics or other video analytics less attractive to our customers, cause us to change or limit our business practices or affect our financial condition and operating results. We are subject to complex and changing laws and regulations in various jurisdictions regarding cybersecurity, privacy, data protection, and information security which exposes us to increased costs and potential liabilities in the event of any actual or perceived failure to comply with such legal and compliance obligations and could adversely affect our business. Various jurisdictions have adopted or are expected to introduce new laws and regulations regarding cybersecurity, privacy, data protection, and information security which have impacted, or we expect will impact, us by exposing us to increased costs and potential liabilities. With respect to cybersecurity laws and regulations, this includes the EU Directive (EU) 2022/2555 ("NIS2"), which became effective in the EU in October 2024 and is in the process of implementation by each EU Member State. NIS2 requires us to register with national cybersecurity agencies, submit significant cybersecurity incident reports and adopt appropriate measures to minimize cybersecurity risks. We may also become subject to new cybersecurity laws and regulations in other jurisdictions, as well as supplier-focused cybersecurity obligations. Compliance with these laws and regulations exposes us to increased costs and any noncompliance, whether actual or perceived, could result in potential liabilities. With respect to privacy and data protection, the EU adopted the General Data Protection Regulation (GDPR) which took effect in 2018, harmonizing data protection laws across the EU. The GDPR strengthens individual privacy rights and enhances data protection obligations for processors and controllers of personal data. This includes expanded disclosures about how personal information is to be used, limitations on retention of information and mandatory data breach notification requirements. Noncompliance with the GDPR can trigger significant fines. U.S. federal, state and other foreign governments and agencies have adopted or are considering adopting laws and regulations regarding the collection, storage, use, processing and disclosure of personal data. Numerous state governments within the U.S. have enacted their own versions of GDPR-like privacy legislation, which has created, and we expect will continue to create, additional compliance challenges, risks, and administrative burdens. Comprehensive U.S. federal privacy legislation is also being discussed seriously by lawmakers, and the Federal Trade Commission has commenced a privacy rulemaking that may attempt to implement nationwide rules. These proposals, as well as other standalone federal bills, could restrict the ability of law enforcement to purchase data from private companies. It is possible that a one-size fits all compliance program may be difficult to achieve and manage globally, and that we will be forced to comply with a patchwork of inconsistent privacy regulations. Several other countries in which we operate, including Australia and Brazil, have established legal requirements for cross-border data transfers. There is continued uncertainty concerning rules related to transfers of EU and United Kingdom personal data outside of their respective jurisdictions. There is also an increasing trend towards data localization policies. Cloud-based solutions may be subject to further regulation with respect to data localization requirements and restrictions on the international transfer of data. If countries implement more restrictive regulations for cross-border personal data transfers (or customers do not permit personal data to leave the country of origin), it could affect the manner in which we provide our services or the geographical location or segregation of our relevant systems and operations, which could adversely impact our business. Because the interpretation and application of cybersecurity, privacy, data protection and information security laws and regulations are complex and still uncertain, it is possible that they may be interpreted and applied in a manner that is inconsistent with our existing practices or the features of our products, software and services. Any failure or perceived failure by us, our business partners, or third-party service providers to comply with such laws and regulations, or applicable commitments in contracts, could result in proceedings against us by governmental entities or others and significant fines and penalties, and adversely affect our business. Government regulation of radio frequencies may limit the growth of private and public safety narrowband and broadband systems or reduce barriers to entry for new competitors. Radio spectrum is required to provide wireless voice, data, and video communications services. The allocation of frequencies is regulated in the U.S. and other countries and limited spectrum is allocated to wireless services, including commercial and public safety users. The global demand for wireless communications has grown exponentially, and spurred competition for access among various networks and users. In response, regulators are reassessing the allocations of spectrum among users, including public safety users, and considering whether to change the allocation of certain spectrum bands from narrowband to broadband use, or to require sharing of spectrum bands. Our results could be negatively affected by the rules and regulations adopted by regulators. Our products operate both on licensed and unlicensed spectrum. The loss of available radio spectrum may result in the loss of business opportunities. Regulatory changes in current spectrum bands (e.g., the sharing of previously dedicated or other spectrum) may require modifications to some of our products so they can continue to be manufactured and marketed. A portion of our business is dependent upon U.S. government contracts and grants, which are highly regulated and subject to disclosure obligations and oversight audits by U.S. government representatives and subject to cancellations. Any such disclosure events, audits or noncompliance with such regulations and laws could result in adverse findings and negatively impact our business. Our business with or funded by the U.S. government is subject to specific laws and regulations with numerous and unique compliance requirements relating to formation, administration and performance of U.S. federal or federally funded contracts. These requirements, which may increase or change over time, may increase our performance and compliance costs thereby reducing our margins, which could have an adverse effect on our financial condition. Violations or other failures to comply with these laws, regulations or other compliance requirements could lead to terminations for default, suspension or debarment from U.S. government contracting or subcontracting for a period of time or other adverse actions. Such laws, regulations or other compliance requirements include those related to procurement integrity, export control, U.S. government security and information security regulations, supply chain and sourcing requirements and restrictions, employment practices, protection of criminal justice data, protection of the environment, accuracy of records, proper recording of costs, foreign corruption, Trade Agreements Act, Buy America Act, other domestic content requirements, and the False Claims Act. For example, President Trump issued an executive order in January 2025 that requires, in relevant part, that every federal contract or grant award include a clause that requires the contractor or grant recipient to (1) agree that its compliance with all applicable federal anti-discrimination laws is material to the government's payment decisions on such contract or grant for purposes of the False Claims Act, and (2) certify that it does not operate any programs promoting DEI that violate any applicable federal anti-discrimination laws. The executive order increases our compliance risk through an increased risk of civil False Claims Act liability if our DEI practices are deemed to violate the federal anti-discrimination laws. Generally, in the U.S., government contracts and grants are subject to certain voluntary or mandatory disclosure obligations and oversight audits by government representatives. Such disclosures or audits could result in adjustments to our contracts. For contracts covered by the Cost Accounting Standards, any costs found to be improperly allocated to a specific contract may not be allowed, and such costs already reimbursed may have to be refunded. Future disclosures, audits and adjustments, if required, may materially reduce our revenues or profits upon completion and final negotiation of such disclosure events or audits. Negative disclosure or audit findings could also result in investigations, termination of a contract or grant, forfeiture of profits or reimbursements, suspension of payments, fines and suspension or prohibition from doing business with the U.S. government. All contracts with the U.S. government can be terminated for convenience by the government at any time. Certain of our offerings include services that are subject to telecommunications regulations in various jurisdictions, which expose us to increased costs to address compliance obligations and potential liability in the event of any failure to comply with such regulations, which could result in fines and penalties, reputational harm and adversely affect our business. We are a provider of certain services that include telecommunications in the U.S., including selective routing services for 911 calls. As such, we are subject to certain Federal Communications Commission (FCC) and possible state regulations relating to telecommunications, including some certification or licensing, service reliability, and regulatory fee requirements. If we do not comply with these regulations, we could be subject to enforcement actions, fines, and possibly loss of certifications or licenses to operate or offer certain of our services that are regulated telecommunications. Any enforcement action, which may be a public process, could also damage our reputation and erode customer trust. Additionally, we are subject to regulations in certain foreign countries where we offer services that include telecommunications or other types of communications services. For example, we are registered to provide WAVE PTX push-to-talk offerings, with and without telecommunications connectivity, in certain countries internationally. Local laws and regulations, and the interpretation of such laws and regulations, can differ significantly among the jurisdictions in which we provide these services. In some countries, certain services that we offer are not considered to be regulated communications services, while in other countries they are subject to regulations, including registration with the local telecommunications governing authority, which increases the level of scrutiny and potential for enforcement by regulators as well as our cost of doing business internationally. Further, enforcement and interpretations of the laws and regulations in some countries can be unpredictable and subject to the informal views of government officials. Failure to comply with these regulations could subject us to enforcement actions, fines and penalties, additional compliance obligations or liabilities, loss of authority to provide regulated services, and reputational harm, which could adversely affect our business. Moreover, it is possible that regulations in any of these jurisdictions may be changed, expanded or interpreted and applied in a manner that is inconsistent with our existing practices. Future applicable legislative, regulatory or judicial actions could increase the cost and complexity of our compliance and increase our exposure to potential liability. We are subject to a wide range of product regulatory and safety, consumer, worker safety and environmental product compliance and remediation laws that continue to expand and could impact our ability to grow our business, could subject us to unexpected costs and liabilities and could impact our financial performance. Our operations and the products we manufacture are subject to a wide range of product regulatory and safety, consumer, worker safety and environmental product compliance and remediation laws. Compliance with such existing or future laws could subject us to future costs or liabilities, impact our production capabilities, constrict our ability to sell, expand or acquire facilities, restrict what products and services we can offer, and generally impact our financial performance. Some of these laws are environmental and relate to the use, disposal, cleanup of, and exposure to certain substances. For example, in the U.S., laws often require parties to fund remedial studies or actions regardless of fault and oftentimes in response to actions or omissions that were legal at the time they occurred. We continue to incur disposal costs and have ongoing remediation obligations, including those resulting from previously or newly discovered environmental issues located at discontinued Company facilities and waste disposal sites formerly used by Company facilities, as well as current and former facilities of companies that we acquire. Changes to environmental laws or our discovery of additional obligations under these laws could have a negative impact on our financial performance. Laws focused on: (i) the energy efficiency of electronic products and accessories, (ii) recycling of both electronic products and packaging, (iii) reducing or eliminating certain hazardous substances in electronic products, (iv) the use and transportation of batteries, and (v) debt collection and other consumer finance matters continue to expand significantly. There are also demanding and rapidly changing laws around the globe related to issues such as radio interference, radio frequency radiation exposure, medical related functionality, use of products with video functionality, and consumer and social mandates pertaining to use of wireless or electronic equipment. These laws, and changes to these laws, could have a substantial impact on whether we can offer certain products, solutions and services, on product costs, and on what capabilities and characteristics our products or services can or must include, which could negatively impact our business, results of operations, financial condition and competitive position. Increased focus on climate change has contributed to an evolving state of environmental regulation and uncertainty related to such regulation, as well as physical risks of climate change, could impact our business, results of operations, financial or competitive position. Increased public awareness and worldwide focus on climate change has led to legislative and regulatory efforts to limit greenhouse gas emissions, which has resulted in and may continue to result in, more international, federal or regional requirements or industry standards to reduce or mitigate global warming. There continues to be a lack of consistent climate legislation, which creates economic and regulatory uncertainty. Additionally, legislative and regulatory efforts have focused on carbon taxes in certain areas where we operate. As a result, we may become subject to new or strengthened regulations, legislation or other governmental requirements or industry standards, and we anticipate that we will need to meet criteria related to reduction of greenhouse gas emissions, the elimination of certain constituents from products and increasing energy efficiency requirements. For example, the EU's Corporate Sustainability Reporting Directive, EU's Corporate Sustainability Due Diligence Directive and EU taxonomy initiatives will introduce, in staggered timelines, additional due diligence and disclosure requirements addressing sustainability that will apply to us in the coming years. These requirements will, and other increased regulation of climate change concerns could, subject us to additional costs, disclosures and restrictions, and could require us to make certain changes to our manufacturing practices, operations, and/or product designs, which could negatively impact our business, results of operations, financial condition and competitive position. In addition, the physical risks of climate change (such as extreme weather conditions or rising sea levels) may impact the availability and cost of materials and natural resources, sources and supply of energy, product demand and manufacturing and could increase insurance and other operating costs. This may include, potentially, costs associated with repairing damage as a result of extreme weather events or renovating or retrofitting facilities to better withstand extreme events. Many of our facilities around the world, as well as our customers' and suppliers' operations, are in locations that may be impacted by the physical risks of climate change, and we face the risk of losses incurred as a result of physical damage to our facilities or those of our suppliers or customers such as loss or spoilage of inventory and business interruption caused by such events. Tax matters could have a negative impact on our financial condition and results of operations. We are subject to income taxes in the U.S. and numerous foreign tax jurisdictions. Our provision for income taxes and cash tax liability may be negatively impacted by: (i) changes in the mix of earnings taxable in jurisdictions with different statutory tax rates, (ii) changes in tax laws and accounting principles, (iii) changes in the valuation of our deferred tax assets and liabilities, (iv) changes in available tax credits, (v) discovery of new information during the course of tax return preparation, (vi) increases in non-deductible expenses, or (vii) repatriating cash held abroad. Since our 2022 tax year, the Tax Cuts and Jobs Act of 2017 has required that we capitalize and amortize our research and experimental expenditures over five or fifteen years, as applicable. This change in law had a materially negative impact on our cash tax liability in 2024, and we expect such change to continue to impact our cash tax liability through 2026, unless the provisions are repealed or deferred

by Congress. Tax audits may also negatively impact our business, financial condition and results of operations. We are subject to continued examination of our income tax returns, and tax authorities may disagree with our tax positions and assess additional tax. We regularly evaluate the likelihood of adverse outcomes resulting from these examinations to determine the adequacy of our provision for income taxes. Outcomes from these continuing examinations may have a negative impact on our future financial condition and operating results.

21. Certain tax policy efforts, including the Organization for Economic Co-operation and Development's ("OECD") Base Erosion and Profit Shifting Project, the European Commission's ("EC") state aid investigations, and other initiatives could have an adverse effect on the taxation of international businesses. Furthermore, many of the countries where we are subject to taxes, including the U.S., are independently evaluating their tax policy and we may see significant changes in legislation and regulations concerning taxation. Certain countries have already enacted legislation, which could affect international businesses, and other countries have become more aggressive in their approach to audits and enforcement of their applicable tax laws. Such changes, to the extent they are brought into tax legislation, regulations, policies, or practices, could increase our effective tax rates in many of the countries where we have operations and have an adverse effect on our overall tax rate, along with increasing the complexity, burden and cost of tax compliance, all of which could impact our operating results, cash flows and financial condition.

Risks Related to Information Technology and Intellectual Property Increased cybersecurity threats could lead to a security breach or other significant disruption of our IT systems, those of our outsourcing partners, suppliers or those we manufacture, install, and in some cases operate and maintain for our customers, and could have a negative impact on our operations, sales, and operating results. We rely extensively on our information systems to manage our business operations. We are subject to attempts to compromise our information technology systems from both internal and external sources. Like all information technology systems, our systems have been in the past, and could be in the future, vulnerable to damage, unauthorized access or interruption from a variety of sources, including but not limited to, cyberattacks, cyber intrusions, computer viruses, security breaches, denial-of-service attacks, ransomware or other malware, energy blackouts, natural disasters and severe weather conditions, terrorism, sabotage, wars, insider threats, human errors and computer and telecommunication failures. As a provider of mission-critical physical security products and services for both public safety and enterprise customers in the U.S. and globally, including systems that we operate and maintain for certain customers of ours or as a software-based service, we face additional risk as a potential target of sophisticated attacks aimed at compromising both our company's ("Apple") and our customers' ("Apple") sensitive information and intellectual property. This risk is heightened because these systems may contain sensitive governmental information or personally identifiable or other protected information. Our vulnerability and that of our third-party vendors to cyber and other information technology risks may also be increased by factors such as cyberattacks related to geopolitical conflicts (which may be heightened by our global presence) and the large portion of our office workforce that continues to work from home. Additionally, the volume, frequency and sophistication of these threats (including through the use of AI) continues to grow and the complexity and scale of the systems to be protected continues to increase. As we continue to integrate the use of AI to enhance our accounting operations and help improve employee productivity and efficiency, we also face enhanced risks and challenges related to cybersecurity and information technology. Like other enterprise software companies, we also use open source software from time to time, which may be more susceptible to vulnerabilities that may not be identified with scanning tools. In an effort to protect against such attacks, we maintain insurance related to cybersecurity risks and employ a number of countermeasures and security controls, including training, audits, encryption, and utilization of commercial information security threat sharing networks. If we fail to effectively manage our cybersecurity, our business, products, and services could suffer from the resulting weaknesses in our infrastructure, systems or controls. Further, our company outsources certain business operations, including, but not limited to IT, network connectivity, HR information systems, manufacturing, repair, distribution and engineering services. We are dependent, in certain instances, upon our outsourced business partners, suppliers, and customers to adequately protect our IT systems and those IT systems that we manage for our customers, including the hosts of our cloud infrastructure on top of which our cloud-based solutions are built, as well as the network connectivity upon which some of our services are built. Some of our customers are exploring broadband solutions that use public carrier networks on which our solutions would operate. We do not have direct oversight or influence over how public carrier networks manage the security, quality, or resiliency of their networks, and because they are an attractive high value target due to their role in critical infrastructure, they expose customers to an elevated risk over our private networks. In addition, we maintain certain networked equipment at customer locations and are reliant on those customers to protect and maintain that equipment. A cyberattack or other significant disruption involving our IT systems or those of our outsourcing partners, suppliers or our customers could result in substantial costs to repair or replace our IT systems or the loss of critical data and interruptions or delays in our ability, or that of our customers, to perform critical functions. Such disruption may also result in the unauthorized release of proprietary, confidential or sensitive information of us or our customers, or the disruption of services provided to customers and essential for their mission. Such unauthorized access to, or release of, information or disruption of services could: (i) allow others to unfairly compete with us, (ii) compromise safety or security, given the mission-critical nature of our customers' ("Apple") systems, (iii) subject us to claims for breach of contract, tort, and other civil claims without adequate indemnification from our suppliers, (iv) subject us to time-intensive notification requirements, (v) damage our reputation, and (vi) require us to provide modifications or replacements to our products and services. Our potential liability related to such claims by customers or third-parties described above may not be contractually capped nor fully covered by our insurance, and our insurance coverage may not continue to be available on commercially reasonable terms or at all. We could face regulatory penalties, enforcement actions, remediation obligations and/or private litigation by parties whose data is improperly disclosed or misused. Any or all of the foregoing could have a negative impact on our business, financial condition, results of operations, and cash flow.

22. If we are unable to adequately protect our intellectual property, or if we, our customers and/or our suppliers are found to have infringed intellectual property rights of third parties, our competitive position and results of operations may be adversely impacted. Our intellectual property rights protect our innovations and technology, and they may also generate income under license agreements. We attempt to protect our proprietary technology with intellectual property in the form of patents, copyrights, trademarks, trade secret laws, confidentiality agreements and other methods. We also generally restrict access to and distribution of our proprietary information. Despite these precautions, it may be possible for a third-party to obtain and use our proprietary information or develop similar technology independently. As we expand our business, including through acquisitions, and compete with new competitors in new markets, the breadth and strength of our intellectual property portfolio in those new markets may not be as developed as in our longer-standing businesses. This may expose us to a heightened risk of litigation and other challenges from competitors in these new markets. In addition, effective patent, copyright, trademark and trade secret protection may be unavailable or limited in certain foreign countries. Unauthorized use of our intellectual property rights by third-parties and the cost of any litigation necessary to enforce our intellectual property rights could have a negative impact on our financial results and competitive position. Moreover, the validity and scope of coverage of our patents cannot be fully determined prior to litigation. Additionally, because our products are comprised of complex technology, we are often involved in or impacted by assertions, including both requests for licenses and litigation, regarding third-party patents and other intellectual property rights. The development of products operable in accordance with industry standards, such as those related to 4G, 5G, audio, video, or various other wireless technologies may result in third-party patent royalty demands. Third-parties have asserted, and in the future may assert, intellectual property infringement claims against us and against our customers and suppliers. Many of these assertions are brought by non-practicing entities whose principal business model is to secure patent licensing-based revenue from product manufacturing companies. The patent holders often make broad and sweeping claims regarding the applicability of their patents to our products and services, seeking a percentage of sales as license fees, seeking injunctions to pressure us into taking a license, or a combination thereof. Third-party litigation funding exacerbates this situation, sometimes hindering the ability to settle matters. Defending claims may be expensive and divert the time and efforts of our management and employees. Third-parties may also seek broad injunctive relief, which could limit our ability to sell our products in the U.S. or elsewhere with intellectual property subject to the claims. If we do not succeed in any such litigation, we could be required to expend significant resources to pay damages, develop non-infringing products or to obtain licenses to the intellectual property that is the subject of such litigation, each of which could have a negative impact on our financial results. Such licenses, if available at all, may not be available to us on commercially reasonable terms. In some cases, we might be forced to stop delivering certain products if we or our customers or suppliers are subject to a final injunction. We face risks relating to intellectual property licenses and intellectual property indemnities in our customer and supplier contracts, which may fail to fully protect us and subject us to unexpected liabilities or harm our financial condition and results of operations. We obtain some technology from suppliers through the purchase of components or licensing of software, and we attempt to negotiate favorable intellectual property indemnities with our suppliers for infringement of third-party intellectual property rights. With respect to such indemnities, we may not be successful in our negotiations, a supplier's indemnity may not fully protect us or cover all damages and losses suffered by us and our customers due to the infringing products, or a supplier may not choose to obtain a third-party license or modify or replace its products with non-infringing products which would otherwise mitigate such damages and losses. Such situations may subject us to unexpected liabilities or unfavorable conditions. Further, we may not be able to participate in intellectual property litigation involving a supplier and may not be able to influence any ultimate resolution or outcome that may negatively impact our sales or operations if a court enters an injunction that enjoins the supplier's products or if the International Trade Commission issues an exclusionary order that blocks importation of our products into the U.S. Intellectual property disputes involving our suppliers have resulted in our involvement in International Trade Commission proceedings from time to time. These proceedings are costly and entail the risk that we will be subjected to a ban on the importation of our products into the U.S. solely as a result of our use of a supplier's components. In addition, our customers increasingly demand that we indemnify them broadly from all damages and losses resulting from intellectual property litigation against them. These demands may stem from non-practicing entities that engage in patent enforcement and litigation, sometimes seeking royalties and litigation judgments in proportion to the value of the use of our products, rather than in proportion to the cost of our products. Such demands can amount to many times the selling price of our products. Further, competitors may be able to negotiate significantly more favorable terms for intellectual property than we are able to, which puts them at a competitive advantage. Moreover, with respect to our internally developed proprietary software, we may be harmed if we are forced to make publicly available, under the relevant open-source licenses, some of that proprietary software as a result of either our use of open-source software code or the use of third-party software that contains open-source code.

23. We no longer own certain logos and other trademarks, trade names and service marks, including MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M logo and all derivatives and formatives thereof ("Motorola Marks") and we license the Motorola Marks from Motorola Trademark Holdings, LLC ("MTH"), which is currently owned by Motorola Mobility, a subsidiary of Lenovo. Our joint use of the Motorola Marks could result in product and market confusion and negatively impact our ability to expand business under the Motorola brand. In addition, if we do not comply with the terms of the license agreement we could lose our rights to the Motorola Marks. In 2010, we secured a worldwide, perpetual and royalty-free license from MTH to use the Motorola Marks as part of our corporate name and in connection with the manufacture, sale, and marketing of our current products and services. The license of the Motorola Marks is important to us because of the reputation of the Motorola brand for our products and services. There are risks associated with both Motorola Mobility and us using the Motorola Marks and our loss of ownership of the Motorola Marks. As both we and Motorola Mobility use the Motorola Marks, confusion could arise in the market, including customer confusion regarding the products offered by and the actions of the two companies. Also, any negative publicity associated with either company in the future could adversely affect the public image of the other. Motorola Mobility was acquired by Lenovo in 2014, which resulted in Lenovo having effective control over the Motorola Marks. Our risks under the license could increase if Lenovo expands its use of the Motorola Marks, or if our products and those of Lenovo converge. In addition, because our license of the Motorola Marks is limited to products and services within our specified fields of use, we are not permitted to use the Motorola Marks in other fields of use without the approval of Motorola Mobility. As we continue to expand our business into any other fields of use, we either must do so with a brand other than the Motorola brand, which could take considerable time and expense, or assume the risk that our expanded fields don't meet the definition of permitted fields of use under our license, which could result in loss of our rights to use the Motorola Marks. We could lose our rights to use the Motorola Marks if we do not comply with the terms of the license agreement. Such a loss could negatively affect our business, results of operations and financial condition. Furthermore, MTH has certain rights to license the brand to third-parties and either Motorola Mobility or licensed third-parties may use the brand in ways that make the brand less attractive for customers of Motorola Solutions, creating increased risk that Motorola Solutions may need to develop an alternate or additional brand. Motorola Mobility may require us to adopt modifications to the Motorola Marks, and this could negatively impact our business, including costs associated with rebranding. Neither Motorola Mobility nor Lenovo is prohibited from selling the Motorola Marks. In the event of a liquidation by Lenovo or the then-owner of the Motorola Marks, it is possible that a bankruptcy court would either (i) permit the Motorola Marks to be assigned to a third-party whose interests may be incompatible with ours, thereby potentially making the license arrangement difficult to administer and increasing the costs and risks of sharing the Motorola Marks, or (ii) refuse to uphold the license or certain of its terms, which could negatively affect our business, results of operations and financial condition.

Risks Related to Human Capital Management Our success depends in part upon our ability to attract and retain senior management and key employees, including engineers and other key technical employees, in order to remain competitive. The performance of our CEO, senior management and other key employees such as engineers and other technical employees is critical to our success. If we are unable to retain talented, highly-qualified senior management, engineers and other key employees or attract them when needed, it could negatively impact our business. We rely on the experience of our senior management, most of whom have been with us for many years and as a result have specific knowledge relating to us and our industry that is difficult to replace and competition for management with experience in the communications industry is intense. A loss of the CEO, a member of senior management, or an engineer or other key employee, particularly to a competitor, could also place us at a competitive disadvantage. In addition, we face increased demands for technical personnel in areas such as software development, which is an area of particularly high demand for skilled employees. We believe that our future success depends in large part on our continued ability to hire, assimilate, retain and leverage the skills of qualified engineers and other highly-skilled personnel needed to develop successful new products or services. In particular, we have faced, and expect to continue to face, intense competition globally for experienced software and cloud computing infrastructure engineers, as well as employees in data science and AI. The compensation and incentives we have available to attract, retain and motivate employees may not meet the expectations of current and prospective employees. Our efforts to attract, develop, integrate, and retain highly skilled employees with appropriate qualifications may be compounded by the increased availability of remote working arrangements, which has expanded the pool of companies that can compete for our employees and employment candidates. Further, if we fail to adequately plan for the succession of our CEO, senior management and other key employees, our business could be negatively impacted.

Risks Related to Financial Performance or Economic Conditions As we are a global company, we face a number of risks related to current global economic and political conditions in the markets in which we operate that have and could continue to unfavorably impact our business, financial condition, results of operations and cash flows. Global economic and political conditions continue to be challenging for many of our government and enterprise markets, as economic growth in many countries has remained low or declined, currency fluctuations have impacted profitability, credit markets have remained tight for certain counterparties of ours and some of our customers are dependent on government grants to fund purchases of our products and services.

24. In addition, global conflicts, including the China-Taiwan conflict and those in the Middle East, as well as the results of elections or other political conditions, have created, and could create in the future, many economic and political uncertainties that impact worldwide markets, including impacts relating to new, increased or retaliatory tariffs (including recent U.S. tariffs imposed or threatened to be imposed on China, Canada and Mexico and other countries and any retaliatory actions taken by such countries) and potential trade wars, and threats to national security vulnerabilities linked to country of origin. The length of time these adverse economic and political conditions may persist is unknown. These global economic and political conditions have impacted and could continue to impact our business, financial condition, results of operations, and cash flows in a number of ways, including:

- Requests by certain of our government and enterprise customers that we provide vendor financing, including in response to financial challenges surrounding state and local governments, which may cause us to retain exposure to the credit quality of our customers who we finance if we are unable to sell these receivables on terms acceptable to us.
- The inability of certain of our customers to obtain financing in order to make purchases from us and/or maintain their business, which may negatively impact our financial results.
- Challenges we face in budgeting and forecasting due to economic uncertainties in various parts of the U.S. and world economy, which could negatively impact our financial results if such budgets or forecasts are inaccurate.
- Deferral or cancellation of purchases and orders by customers may occur due to uncertainty about current and future global economic conditions, which could reduce future demand for our products and negatively impact our financial results.
- Intensifying political instability in a number of markets in which we operate could have a significant impact on our ability to grow and, in some cases,

operate in such locations, which could negatively impact our financial results.We may not continue to have access to the capital markets for financing on acceptable terms and conditions, particularly if our credit ratings are downgraded, which could limit our ability to repay our indebtedness and could cause liquidity issues.From time to time we access the capital markets to obtain financing. Our access to the capital markets and the bank loan markets at acceptable terms and conditions are impacted by many factors, including: (i) our credit ratings, (ii) the condition of the overall capital markets, (iii) strength and credit availability in the banking markets, and (iv) the state of the global economy. In addition, we frequently access the credit markets to obtain performance bonds, bid bonds, standby letters of credit and surety bonds, as well as to hedge foreign exchange risk and sell receivables. Furthermore, we may not be able to refinance our existing indebtedness (i) on commercially reasonable terms, (ii) on terms, including with respect to interest rates, as favorable as our current debt, or (iii) at all. We may not continue to have access to the capital markets or bank credit markets on terms acceptable to us and if we are unable to repay or refinance our debt, we cannot guarantee that we will be able to generate enough cash flows from operations or that we will be able to obtain enough capital to service our debt, fund our planned capital expenditures or pay future dividends. We are rated investment grade by all three national rating agencies. Any downward changes by the rating agencies to our credit rating may negatively impact the value and liquidity of both our debt and equity securities. Under certain circumstances, an increase in the interest rate payable by us under our revolving credit facility, if any amounts are borrowed under such facility, could negatively affect our operating cash flows. In addition, a downgrade in our credit ratings could limit our ability to: (i) access the capital markets or bank credit markets, (ii) issue commercial paper (iii) provide performance bonds, bid bonds, standby letters of credit and surety bonds, (iv) hedge foreign exchange risk, (v) fund our foreign affiliates, (vi) sell receivables, and (vii) obtain favorable trade terms with suppliers. In addition, we may avoid taking actions that would otherwise benefit us or our stockholders, such as engaging in certain acquisitions or engaging in stock repurchases, that would negatively impact our credit rating.Our exposure to exchange rate fluctuations on cross-border transactions and the translation of local currency results into U.S. dollars could negatively impact our results of operations. We conduct business through our subsidiaries in many different countries, and fluctuations in currency exchange rates could have a significant impact on our reported consolidated results of operations, financial condition and cash flows, which are presented in U.S. dollars. Cross-border transactions, both with external parties and intercompany relationships, result in increased exposure to foreign exchange effects. Accordingly, significant changes in currency exchange rates, particularly the Euro, British pound, Canadian dollar and Australian dollar, has had in the past, and could continue to, cause fluctuations in the reported results of our businessesâ€™ operations that could negatively affect our results of operations. Additionally, the strengthening of certain currencies such as the U.S. dollar potentially exposes us to competitive threats from lower cost producers in other countries. Our sales are translated into U.S. dollars for reporting purposes. The strengthening of the U.S. dollar has in the past, and could continue to, negatively affect our results of operations.25Returns on pension and retirement plan assets and interest rate changes could affect our earnings and cash flows in future periods.We have underfunded pension obligations, in part resulting from the fact that we retained almost all of the U.S. pension liabilities and a major portion of our non-U.S. pension liabilities following our past divestitures. The funding position of our pension plans is affected by the performance of the financial markets, particularly the equity and debt markets, and the interest rates used to calculate our pension obligations for funding and expense purposes. Minimum annual pension contributions are determined by government regulations and calculated based upon our pension funding status, interest rates, and other factors. If the financial markets perform poorly, we have been and could be required to make additional large contributions. The equity and debt markets can be volatile, and therefore our estimate of future contribution requirements can change dramatically in relatively short periods of time. Similarly, changes in interest rates can affect our contribution requirements. In volatile capital market environments, the uncertainty of material changes in future minimum required contributions increases.ItemÂ 1B: Unresolved Staff CommentsNone.ItemÂ 1C: CybersecurityRisk Management & StrategyWe assess, identify and manage material risks from cybersecurity threats through various protective policies, procedures and processes, including through: (1) the monitoring responsibilities of our cybersecurity program; (2) our information security policies and standards, including our global incident response procedure; (3) our audit services departmentâ€™s annual enterprise risk management (â€œERMâ€) assessment; (4) our third-party cybersecurity risk assessment program; and (5) cybersecurity insurance.Designed to maintain the confidentiality, integrity and availability of customer and internal company information, our cybersecurity program focuses on protecting our enterprise information systems and the secure development and deployment of our products. We monitor for critical vulnerabilities and threat actor activity, and work to create a unified view to prioritize protecting our critical infrastructure (including potential impacts to key third-party service providers to the Company). The cybersecurity program, which is led by our Vice President of Cybersecurity & Information Technology Infrastructure, holds regular meetings to review ongoing internal information security investigations. We assess the effectiveness of our cybersecurity program using self-assessments and independent third-party analyses, and evaluate our program using frameworks such as the National Institute of Standards and Technology (â€œNISTâ€) Cybersecurity Framework. In addition to these independent third-party analyses, third-parties also provide services to support our cybersecurity in several ways, such as through penetration testing and commercial information security threat sharing networks, and by assisting with tabletop exercises and certain monitoring activities.We have designed and implemented a global incident response procedure, which helps enable us to quickly detect, respond to, and recover from third-party malicious attacks and potential security incidents. This procedure includes formal steps to review incidents and implement improvements, including steps to involve the Vice President of Cybersecurity & Information Technology Infrastructure, as appropriate. In addition, we have other specific information security policies and standards, organized to align with various NIST frameworks, which we use to manage our cybersecurity risks.Assessing, identifying and managing cybersecurity risks are integrated into our audit services departmentâ€™s annual ERM assessment, which is designed to identify, assess, prioritize, mitigate and monitor our principal risks. The ERM assessment considers the probability, impact and velocity of potential risks, providing management and the Audit Committee with an overarching and objective view of the Company's risk management activities. Audit services identifies and conducts engagements utilizing inputs from the ERM assessment. The engagements span financial, operational, strategic and compliance risks, with a view to assessing risks over a two-year time horizon. The engagement results assist management in maintaining acceptable risk levels. The Vice President of Audit Services reports directly to the Audit Committee as well as to the Chief Financial Officer and meets regularly with the Audit Committee and its chairperson, including in executive sessions. Separately, the Vice President of Audit Services and Vice President of Ethics & Compliance head an internal cross-functional team (including members from our cybersecurity and data privacy programs, among others) that holds regular meetings to discuss the key risks facing the Company and related mitigation efforts, including cybersecurity risks. Cybersecurity risk is tracked as a principal risk within the context of the ERM assessment.In addition, we have processes designed to oversee and identify risks from cybersecurity threats associated with our use of third-party service providers. Pursuant to our third-party cybersecurity risk assessment program, any outsourced partners and suppliers that have access to the Companyâ€™s data or customer data complete a risk assessment prior to the Company engaging with such parties. Using the assessments, our cybersecurity program looks to determine any gaps and identified risks, and then appropriate teams within the Company work to track and remediate such risks. These third-party risk assessments are foundational for how we manage and monitor our supply chain.To further complement the processes described above, we maintain insurance related to cybersecurity risks. We maintain a broad portfolio of insurance coverage, leveraging the products of multiple companies to help ensure appropriate protection.26We are subject to attempts to compromise our information technology systems from both internal and external sources. Like all information technology systems, our systems have been in the past, and could be in the future, vulnerable to damage, unauthorized access or interruption from a variety of sources. As of the filing of this Form 10-K, we are not aware of any such attacks that have occurred since the beginning of 2024 that have materially affected, or are reasonably likely to materially affect, us, including our business strategy, results of operations or financial condition. However, if as a result of any future attacks our information technology systems are significantly damaged, cease to function properly or are subject to a significant cybersecurity breach, we may suffer an interruption in our ability to manage and operate our business, and our business strategy, results of operations or financial condition could be adversely affected. Such attacks, whether or not successful, could damage our reputation and result in significant costs related to, for example, repairing or replacing our IT systems; the loss of critical data; interruptions or delays in our ability, or that of our customers, to perform critical functions; defending against claims for breach of contracts, tort and other civil claims without adequate indemnification from our suppliers; providing time-sensitive notification requirements; and providing modifications or replacements to our products and services. In addition, the volume, frequency and sophistication of these threats (including through the use of AI) continues to grow and the complexity and scale of the systems to be protected continues to increase. See â€œRisks Related to Information Technology and Intellectual Propertyâ€ in â€œPart I. Item 1A. Risk Factorsâ€ of this Form 10-K for further information.Corporate GovernanceOur Board has delegated to the Audit Committee the responsibility to oversee risks related to cybersecurity threats. Specifically, subject to oversight by the full Board, the Vice President of Cybersecurity & Information Technology Infrastructure provides the Audit Committee with periodic cybersecurity and information security reports, including recent cybersecurity incidents and cybersecurity products and operations. Annually, the Vice President of Audit Services reviews the results of the ERM assessment with the Audit Committee as well. In addition, a subset or the full group of certain individuals, such as our Chief Information Officer, Vice President of Cybersecurity & Information Technology Infrastructure, and Data Protection Officer, present at least once per year to the Audit Committee regarding cybersecurity and data privacy risk topics. The full Board is regularly informed about such risks through Audit Committee reports and presentations.Our Vice President of Cybersecurity & Information Technology Infrastructure, along with this individual's teams, are in charge of assessing and managing our risks related to cybersecurity, including by setting our strategy, policies, standards and processes in these areas, as further described above under â€œRisk Management & Strategy.â€ Utilizing the processes noted above, these teams remain informed about and monitor the prevention, detection, mitigation and remediation of cybersecurity incidents. Our Vice President of Cybersecurity & Information Technology Infrastructure has over thirty years of work experience in the information technology field, specifically information security. This individual began their career as a security engineer, progressing to a security architect, and then to overall leader of the Cybersecurity and Information Technology Infrastructure functions at the Company. This individual holds a Master of Computer Science degree. This individual also maintains a Certified Information Security Manager (CISM) certification from ISACA, an international professional organization focused on IT governance, as well as a Certified Information Systems Security Professional (CISSP) certification from the International Information System Security Certification Consortium (ISCT), a leading member association for cybersecurity professionals.27Item 2: PropertiesAs of February 7, 2025, the material properties that we used in connection with our business, serving all segments, are as follows. We believe these properties are suitable and adequate for our current business operations.LocationApproximate Operating Size in Sq. Ft. (In thousands)Owned vs. LeasedPurposeElgin, Illinois, U.S.301LeasedManufacturing, assembly, staging and distributionSchamburg, Illinois, U.S.282LeasedResearch & development and customer supportPenang, Malaysia254LeasedDistribution, research & development and corporate administrativeKrakow, Poland191LeasedResearch & development and corporate administrativePlantation, Florida, U.S.172LeasedResearch & development and corporate administrativeTel Aviv, Israel139LeasedResearch & development and corporate administrativeAllen, Texas, U.S.138OwnedResearch & development and corporate administrativeSchio, Italy125LeasedManufacturing, engineering, administrativeChicago, Illinois, U.S.102LeasedCorporate administrative (global headquarters)Vancouver, BC, Canada70LeasedCorporate administrativeItem 3: Legal ProceedingsIn addition to the matter referenced below, we are subject to legal proceedings and claims that have not been fully resolved and which have arisen in the ordinary course of business. In the opinion of management, the ultimate disposition of these matters will not have a material adverse effect on our consolidated financial position, liquidity or results of operations. However, an unfavorable resolution could have a material adverse effect on our consolidated financial position, liquidity or results of operations in the periods in which the matters are ultimately resolved, or in the periods in which more information is obtained that changes management's opinion of the ultimate disposition.Refer to the description of "Hytera Civil Litigation" in "Note 12: Commitments and Contingenciesâ€ to our consolidated financial statements included in "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for information regarding our legal proceedings.Item 4: Mine Safety DisclosuresNot applicable.28Information about our Executive OfficersThe following are the persons who are the executive officers of the Company, their ages, and current titles as of February 14, 2025 and the positions they have held during the last five years with the Company or as otherwise noted:Gregory Q. Brown; age 64; Chairman and Chief Executive Officer since May 3, 2011.Katherine Maher; age 42; Corporate Vice President and Chief Accounting Officer since March 14, 2022; Vice President and Corporate Controller from November 2021 to March 2022; Finance Director, North America Credit & Systems Integration, from July 2020 to November 2021; and North America Distribution Finance Director from May 2018 to July 2020.John P. "Jack" Molloy; age 53; Executive Vice President and Chief Operating Officer since November 18, 2021 and Executive Vice President, Products and Sales from August 2018 to November 2021.Kathryn Moore; age 52; Senior Vice President, Human Resources since January 1, 2025; Corporate Vice President, Human Resources from February 2022 to December 2024; and Vice President, Human Resources from June 2019 to February 2022.Rajan S. Naik; age 53; Senior Vice President, Strategy and Ventures, since December 2017.James A. Niewiara; age 56; Senior Vice President, General Counsel since February 1, 2023; Senior Vice President, Commercial Law, Litigation, Antitrust & Intellectual Property from April 2020 to January 2023; and Corporate Vice President, Lead Counsel, Commercial Law, Litigation & Antitrust from May 2019 to April 2020.Maresh Saptharishi; age 47; Executive Vice President and Chief Technology Officer since November 18, 2021; Senior Vice President, Software Enterprise and Mobile Video, and Chief Technology Officer from June 2021 to November 2021; Chief Technology Officer & Senior Vice President, Software Enterprise from April 2021 to June 2021; and Senior Vice President, Chief Technology Officer from February 2019 to April 2021.Jason J. Winkler; age 50; Executive Vice President and Chief Financial Officer since July 1, 2020 and Senior Vice President, Finance from September 2018 to June 2020.Cynthia M. Yazdi; age 60; Senior Vice President, Communications & Brand since February 2, 2022; Senior Vice President, Chief of Staff, Communications & Brand and Motorola Solutions Foundation from November 2021 to February 2022; and Senior Vice President, Chief of Staff, Marketing and Communications and Motorola Solutions Foundation from August 2018 to November 2021. The above executive officers will serve as executive officers of the Company until the regular meeting of the Board of Directors in May 2025 or until their respective successors are elected. There is no family relationship between any of the executive officers listed above.29PART IIIItem 5: Market for Registrantâ€™s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity SecuritiesMotorola Solutions' common stock is listed on the New York Stock Exchange and trades under the symbol "MSI." The number of stockholders of record of its common stock on February 7, 2025 was 16,633. This figure does not include a substantially greater number of â€œstreet nameâ€ holders whose shares are held of record by banks, brokers and other financial institutions.During 2024, we declared regular quarterly dividends of \$0.98 per share of our common stock for each of the first three quarters of fiscal 2024, and \$1.09 per share of our common stock for the fourth quarter of fiscal 2024. While we expect to continue to pay comparable regular quarterly dividends in 2025, any future dividend payments will be at the discretion of our Board of Directors and will depend upon our profits, financial requirements and other factors, including legal restrictions on the payment of dividends, general business conditions and such other factors as our Board of Directors deems relevant.Unregistered Sales of Equity SecuritiesOn October 29, 2024, the Company issued 9,530 shares of common stock in connection with the acquisition of 3tc Software to certain former shareholders of the corporation. The stock was issued for an aggregate grant fair value of \$4 million that will be expensed over an average service period of 1 year. The foregoing transaction did not involve any underwriters, any underwriting discounts or commissions, or any public offerings. The shares with respect to the transaction were issued in reliance upon the exemption from registration provided by Section 4(a)(2) of the Securities Act of 1933, as amended, in a privately negotiated transaction not involving any public offerings or solicitations.Issuer Purchases of Equity SecuritiesThe following table provides information with respect to acquisitions by the Company of shares of its common stock during the quarter ended December 31, 2024.Period(a) Total Number of Shares Purchased(b) Average Price Paid per Share (1)(c) Total Number of Shares Purchased as Part of Publicly Announced Plan or Program (2)(d) Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Program (3)

Period	(a) Total Number of Shares Purchased	(b) Average Price Paid per Share	(c) Total Number of Shares Purchased as Part of Publicly Announced Plan or Program	(d) Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Program
(2) 09/27/2024 to 10/24/2024	6,346	\$ 2,340.137,531.4	10/25/2024 to 11/21/2024	6,346
(2) 11/22/2024 to 12/30/2024	217,910	\$ 472.23	217,910	\$ 2,237,233.113
Total	217,910	\$ 472.23	217,910	\$ 472.23

(1) Average price paid per share of common stock repurchased excludes commissions paid to brokers and excise tax. As of January 1, 2023, the Company's share repurchases in excess of issuances are subject to a 1% excise tax enacted by the Inflation Reduction Act of 2022. The amount of excise tax incurred is included in the Company's Consolidated Statement of Stockholders' Equity for the year ended December 31, 2024.(2) As originally announced on July 28, 2011, and subsequently amended, the Board of Directors has authorized the Company to repurchase an aggregate amount of up to \$18.0 billion of its outstanding shares of common stock (the "â€œshare repurchase programâ€). The share repurchase program does not have an expiration date. As of December 31, 2024, the Company had used approximately \$15.8 billion to repurchase shares, leaving approximately \$2.2 billion of authority available for future repurchases.30Performance GraphThe following graph compares the five-year cumulative total shareholder returns of

Motorola Solutions,Â Inc., the S&PÂ 500 Index and the S&P Communications Equipment Index.This graph assumes \$100 was invested in the stock or the indices on December 31, 2019 and reflects the reinvestment of dividends.Years ended December 31201920202021202220232024Motorola Solutions\$100.00Â \$107.39Â \$173.87Â \$167.25Â \$205.78Â \$306.85Â S&P 500\$100.00Â \$118.39Â \$152.34Â \$124.73Â \$157.48Â \$196.85Â S&P Communications Equipment\$100.00Â \$100.63Â \$152.27Â \$122.01Â \$146.98Â \$202.92Â 31ItemÂ 6: [Reserved.]32ItemÂ 7: Managementâ€™s Discussion and Analysis of Financial Condition and Results of OperationsThe following is a discussion and analysis of our financial position as of December 31, 2024 and 2023 and results of operations and cash flows for each of the three years in the period ended December 31, 2024. This commentary should be read in conjunction with our consolidated financial statements and the notes thereto appearing under â€œItemÂ 8: Financial Statements and Supplementary Data.â€œExecutive OverviewOur BusinessMotorola Solutions' business is safety and security. Every day we work to deliver on our commitment of helping to create safer communities, safer schools, safer hospitals and safer businesses. Our work as a global leader in public safety and enterprise security is grounded in nearly 100 years of close customer and community collaboration. We design and advance technology for more than 100,000 public safety and enterprise customers in over 100 countries, driven by our commitment to help make everywhere safer for all.We manage our business organizationally through two segments: â€œProducts and Systems Integrationâ€ and â€œSoftware and Services.â€ Within these segments, we have three principal product lines in which we report net sales: LMR Communications, Video and Command Center.The Company has invested across these three technologies organically and through acquisitions to evolve its LMR focus and expand its safety and security products and services.Our strategy is to generate value through our technologies that help meet the changing needs of our customers around the world in protecting people, property and places. While each technology individually strives to make users safer and more productive, we believe we can enable better outcomes for our customers when we unite these technologies to work together. Our goal is to help remove silos and barriers between people and technologies, so that data unifies, information flows, operations run and collaboration improves to help strengthen safety and security everywhere. Across all three technologies, we offer on-premises, cloud-based and hybrid software solutions, and services such as cybersecurity subscription services and managed and support services.One example of this collaboration is highlighted by a school setting. When a teacher presses a panic button on a phone, this can automatically notify local law enforcement of an emergency, trigger a lockdown to secure all entries, share live video feeds with first responders and send mass notifications to key stakeholders inside and outside the school, helping schools to detect, respond and resolve safety and security threats.The principal products within each segment, by technology, are described below:Products and Systems Integration Segment In 2024, the segmentâ€™s net sales were \$6.9 billion, representing 64% of our consolidated net sales.LMR CommunicationsOur LMR Communications technology includes infrastructure and devices for LMR, as well as devices for public safety Long Term Evolution (â€œLTEâ€) and public carrier LTE. Our technology enables voice and multimedia collaborations across two-way radio, WiFi and public and private broadband networks. We are a global leader in the two-way radio category, including Project 25 (P25), Terrestrial Trunked Radio ("TETRA") and Digital Mobile Radio (DMR), as well as other PCR solutions. We also deliver LTE solutions for public safety, government and commercial users, including devices operating in both low-band and mid-band frequencies, including Citizensâ€™ Broadband Radio Service (CBRS) frequencies. We also offer High Frequency (HF) and Very High Frequency (VHF) communications technology to military, government and relief agency customers who require dynamic and mobile point-to-point voice communications in remote environments without the need for fixed infrastructure.We believe that public safety agencies and enterprises continue to trust LMR communications systems and devices because they are purpose-built and designed for reliability, availability, security and resiliency to help keep people connected even during the most challenging conditions.By extending our two-way radios with broadband data capabilities, we strive to provide our customers with greater functionality and multimedia access to the information and data they need in their workflows. Examples include application services such as GPS location to better protect lone workers, job dispatch to assign tasks and work orders and over-the-air programming to optimize device uptime. Our view is that complementary data applications such as these enable government, public safety and enterprise customers to work more efficiently and safely, while maintaining their mission-critical voice communications to remain connected and working in collaboration with others. Primary sources of revenue for this technology come from selling devices and building communications systems, including infrastructure, the installation and integration of our infrastructure equipment within our customersâ€™ technology environments. The LMR technology within the Products and Systems Integration segment represented 83% of the net sales of the total segment in 2024.33VideoOur Video technology includes video management infrastructure, AI-powered security cameras including fixed and certain mobile video equipment, as well as on-premises and cloud-based access control solutions. We deploy video security and access control solutions to thousands of government and enterprise customers around the world, including schools, transportation systems, healthcare centers, public venues, commercial real estate, utilities, prisons, factories, casinos, airports, financial institutions, government facilities, state and local law enforcement agencies and retailers. Organizations such as these utilize video security and access control to verify critical events or incidents in real-time and to provide data to investigate an event or incident after it happens.Our view is that government and public safety customers are increasingly turning to video security technologies, including fixed and mobile cameras, to increase visibility, accountability and safety for communities and first responders alike. The Video technology within the Products and Systems Integration segment represented 17% of the net sales of the total segment in 2024.Software and Services SegmentIn 2024, the segmentâ€™s net sales were \$3.9 billion, representing 36% of our consolidated net sales. LMR CommunicationsLMR Communications services include support and managed services, which offer a broad continuum of support for our customers. Support services include repair and replacement, technical support and preventative maintenance, and more advanced offerings such as system monitoring, software updates and cybersecurity services. Managed services range from partial to full operational support of customer-owned or Motorola Solutions-owned communications systems. Our customersâ€™ systems often have multi-year or multi-decade lifespans that help drive demand for software upgrades, device and infrastructure refresh opportunities, as well as additional services to monitor, manage, maintain and secure these complex networks and solutions. We strive to deliver services to our customers that help improve performance across their systems, devices and applications for greater safety and productivity.Given the mission-critical nature of our customersâ€™ operational environments, we aim to design the LMR networks they rely on for availability, security and resiliency. We have a comprehensive approach to system upgrades that addresses hardware, software and implementation services. As new system releases become available, we work with our customers to upgrade software, hardware, or both, with respect to site controllers, comparators, routers, LAN switches, servers, dispatch consoles, logging equipment, network management terminals, network security devices such as firewalls and intrusion detection sensors, on-site or remotely. The LMR technology within the Software and Services segment represented 60% of the net sales of the total segment in 2024.VideoVideo software includes video network management software, decision management and digital evidence management software, certain mobile video equipment and advanced vehicle location data analysis software, including license plate recognition. Our software is designed to complement video hardware systems, providing end-to-end video security to help keep people, property and places safe. Our video network management software is embedded with AI-powered analytics to deliver operational insights to our customers by bringing attention to important events within their video footage. Given the growing volume of video content, we believe that analytics are critical to delivering meaningful, action-oriented insights. Our view is that these insights can help to proactively detect an important event in real time as well as reactively search video content to detect an important event that occurred in the past. For example, AI-powered analytics can highlight a person at a facility out of hours (unusual activity), locate a missing child at a theme park (appearance search), flag a vehicle of interest at a school (license plate recognition), send an alert if doors to a restricted area are propped open at a hospital (access control), or trigger a school's customized lockdown plan while simultaneously alerting first responders and sharing video footage from inside the school. Our cloud technologies can offer organizations the ability to access, search and manage their video security intrusion and access control system from a centralized dashboard, accessible on remote devices such as smartphones and laptops. Additionally, our on-premises fixed video systems can be connected to the cloud, providing our customers with the ability to securely access and manage video across their sites from a remote or central monitoring location. We believe that governments, public safety agencies and enterprises are increasingly turning to scalable, cloud-based multi-factor authentication access control to make their facilities more secure. Our Video services include our "video-as-a-service" subscription-based offerings for law enforcement, simplifying procurement by bundling hardware and software into a single subscription. For example, body cameras and in-car video systems can be paired with either on-premises or cloud-based digital evidence management software and complementary command center products. Our cloud solutions are also sold as-a-service, available as single-year to multi-year hosted services, supporting our customers with upgrades and software enhancements to help ensure system performance and technological advancement.The Video technology within the Software and Services segment represented 20% of the net sales of the total segment in 2024. 34Command CenterOur Command Center portfolio consists of cloud-native, on-premises and hybrid software solutions that support the complex process of the public safety workflow from "911 call to case closure." From the moment a person contacts 911, an array of individuals engage to gather information, coordinate a response and manage the incident to resolution. These individuals include call takers who answer and triage 911 calls; dispatchers who route calls to police, fire and emergency medical services to manage the response; first responders who support on scene; intelligence analysts who support the incident; records and evidence specialists who preserve information and evidence; detectives who manage cases; crime analysts who identify patterns and accelerate investigations; and corrections officers who oversee jail and inmate management. To help ensure that individuals within the public safety workflow can work as efficiently, effectively and safely as possible, we believe itâ€™s important that individuals within enterprises and communities can communicate and collaborate directly with public safety agencies, particularly during emergencies. Our Command Center portfolio offers solutions that are designed to help community members, enterprises and public safety agencies work together and share information in an effort to help prevent critical events from escalating and better inform an emergency response when an incident unfolds. Our Command Center software is designed to support an emergency response. In the 911 communications center, we offer call taking and management software (including multimedia communication capabilities and AI-powered call transcription and language translation) and voice and computer-aided dispatch software to assign first responders to incidents. For emergency management teams, we offer mass notification and alerting (including panic button mobile applications) and incident collaboration software that aids in coordinating a multi-disciplinary response. In the field, we offer mobile applications that help first responders to collaborate with each other, remain connected to the information they need, manage an incident, capture critical information to support investigations, and remotely file reports. For information and support services teams, we offer integrated records and evidence management software, as well as solutions for managing tips and publishing crime maps to aid community engagement. For intelligence and investigations teams, we offer software that can unify voice, video and data in order to increase situational awareness from a single map-based view during a real-time incident response, and investigative tools to help uncover connections across records to generate leads and help close cases. For enterprises, we provide incident management and business resilience solutions that help secure people and facilities, as well as share information with public safety when an incident necessitates it.Another area of public safety evolution is the increasing adoption of Next Generation 911 Core Services (â€œNGCSâ€), a group of products and services needed to create infrastructure connectivity in order to process a 911 call using Next Generation (â€œNGâ€) technology. The NG infrastructure is an Emergency Service IP Network ("ESInet"), which can carry voice, data and multimedia. ESInet enables 911 call takers at public safety answering points to respond to text, video and data. Our NGCS can be offered as a managed service and includes call routing, ESInet, location services, geographic information services, cybersecurity and our continuous communications network and security operations center dedicated to public safety.Command Center also includes interoperability solutions that provide connectivity across LMR and broadband networks to help ensure that communication is not limited by coverage area, network technology or device type. Additionally, Command Center includes push-to-talk ("PIT") devices that deliver voice communications over LTE and Wi-Fi, and advanced back-end systems that enable and manage interoperable communications, capable of scaling from small enterprises to nationwide cellular networks. For example, a two-way radio network can connect with an LTE network, assisting individuals in communicating securely and more easily across technologies. These solutions can provide our public safety customers with the critical interoperability between multiple agencies' networks, facilitating a coordinated response.Finally, as the Command Center market continues to evolve from on-premises to hybrid and cloud technologies to improve their operations, we offer both cloud-native applications and cloud features that enhance on-premises applications. We believe this flexibility helps our customers to optimize their investments and enhance their systems with the technologies of their choice. The Command Center technology within the Software and Services segment represented 20% of the net sales of the total segment in 2024.2024 Financial Resultsâ€Net sales were \$10.8 billionÂ in 2024 compared to \$10.0 billion in 2023.â€Operating earnings were \$2.7 billion in 2024 compared to \$2.3 billion in 2023. â€Net earnings attributable to Motorola Solutions, Inc. were \$1.6 billion, or \$9.23 per diluted common share in 2024, compared to earnings of \$1.7 billion, or \$9.93 per diluted common share in 2023.â€Our operating cash flow was \$2.4 billion in 2024 compared to \$2.0 billion in 2023. â€We returned approximately \$898 million of capital to shareholders, in the form of \$654 million in dividends and \$244 million in share repurchases in 2024. Additionally, we repurchased the \$1.0 billion aggregate principal amount of the 1.75% senior convertible notes issued to Silver Lake Partners and scheduled to mature in 2024 ("the Silver Lake Convertible Deb"), for \$1.59 billion in cash, inclusive of the conversion premium.â€We increased our quarterly dividend by 11% to \$1.09 per share in November 2024.â€We ended 2024 with a backlog position of \$14.7Â billion, up \$438 million compared to 2023.35Segment Financial Highlightsâ€In the Products and Systems Integration segment, net sales were \$6.9 billion in 2024, an increase of \$641 million, or 10%, compared to \$6.2 billion in 2023. On a geographic basis, net sales increased in both the North America and International regions. Operating earnings were \$1.7 billion in 2024, compared to \$1.2 billion in 2023. Operating margins increased in 2024 to 24.3% from 19.9% in 2023 primarily due to higher sales and favorable mix, partially offset by higher employee incentive costs, including share-based compensation, higher expenses related to legal matters, including Hytera-related expenses, and higher expenses associated with acquired businesses.â€In the Software and Services segment, net sales were \$3.9 billion in 2024, an increase of \$198 million, or 5%, compared to \$3.7 billion in 2023. On a geographic basis, net sales increased in the North America region and decreased in the International region. Operating earnings were \$1.0 billion in 2024, compared to \$1.1 billion in 2023. Operating margins decreased in 2024 to 25.7% from 28.1% in 2023 primarily driven the revenue reduction on Airwave services in accordance with the Charge Control, higher employee incentive costs, including share-based compensation, higher expenses associated with acquired businesses and higher expenses related to legal matters, partially offset by higher sales and a reduction in intangible amortization expenses.Recent EventsU.K. Home Office UpdateIn October 2021, the Competition and Markets Authority ("CMA") opened a market investigation into the Mobile Radio Network Services market. This investigation included Airwave, our private mobile radio communications network that we acquired in 2016. Airwave provides mission-critical voice and data communications to emergency services and other agencies in Great Britain. In 2023, the CMA imposed a legal order on Airwave which implemented a prospective price control on Airwave (the "Charge Control"). After the Competition Appeal Tribunal ("CAT") dismissed our appeal of the CMA's final decision, we appealed the CAT's judgment to the United Kingdom Court of Appeal. On January 30, 2025, the United Kingdom Court of Appeal denied our application for permission to appeal the CAT's judgment. Since August 1, 2023, revenue under the Airwave contract has been, and will continue to be, recognized in accordance with the Charge Control.On March 13, 2024, we received a notice of contract extension (the â€œDeferred National Shutdown Noticeâ€) from the Home Office of the United Kingdom (the "Home Office"). The Deferred National Shutdown Notice extends the â€œnational shutdown target dateâ€ of the Airwave service from December 31, 2026 to December 31, 2029, at the Charge Control rates. Our backlog for Airwave services contracted with the Home Office through December 31, 2026 was previously reduced by \$777 million to align with the Charge Control. In 2024, as a result of the Home Office's notice of a contract extension pursuant to their Deferred National Shutdown Notice, we recorded additional backlog of \$748 million to reflect the incremental three years of services. On April 11, 2024, we filed proceedings in the U.K. High Court challenging the decision of the Home Office to issue the Deferred National Shutdown Notice as being in breach of applicable U.K. procurement and public law. The hearing on this matter has been set to commence on April 22, 2025. The backlog related to the incremental years of service contemplated in the Deferred National Shutdown Notice could change depending on the outcome of the proceedings.On December 5, 2024, a proposed class representative filed a claim with the CAT to bring collective proceedings against us, alleging that users of Airwave services during the period January 1, 2020 through July 31, 2023 suffered financial harm as a result of the pricing in effect during such time (the "Collective Proceeding"). The initial stage of the Collective Proceeding will involve "Certification" of the claim by the CAT, which we expect to be heard in 2025.36Recent AcquisitionsSegmentTechnologyAcquisitionDescriptionPurchase PriceDate of AcquisitionSoftware and ServicesCommand Center3tc SoftwareProvider of control room software solutions.\$22 million and share-based compensation of \$4 millionOctober 29, 2024Software and ServicesCommand CenterNogginProvider of cloud-based business continuity planning, operational resilience and critical event management software.\$91 million and share-based compensation of \$19 millionJuly 1, 2024Software and ServicesVideo Security and Access ControlUnmanned vehicle location and management solutions businessProvider of vehicle location and management solutions.\$132 million and share-based

compensation of \$3 millionJuly 1, 2024Products and Systems IntegrationVideo Security and Access ControlIPLVideo Creator of a multifunctional safety and security device.\$170 million and share-based compensation of \$5
2024Products and Systems IntegrationVideo Security and Access ControlIPLVideo Provider of mass notification and incident management services.\$553 million and share-based compensation of \$2
millionDecember 14, 2022Products and Systems IntegrationLMR CommunicationsFuturecomProvider of radio coverage extension solutions.\$30 millionOctober 25, 2022Products and Systems
IntegrationLMR CommunicationsBarrett CommunicationsProvider of specialized radio communications.\$18 millionAugust 8, 2022Products and Systems IntegrationVideo Security and Access
ControlVideotecProvider of ruggedized video security solutions.\$23 million and share-based compensation of \$4 millionMay 12, 2022Software and ServicesVideo Security and Access
ControlCalipsaProvider of cloud-native advanced video analytics.\$39 million and share-based compensation of \$4 millionApril 19, 2022Software and ServicesLMR CommunicationsTETRA
IrelandProvider of Ireland's National Digital Radio Service.\$120 millionMarch 23, 2022Products and Systems IntegrationSoftware and ServicesVideo Security and Access ControlAvaProvider of
cloud-native video security and analytics.\$388 million and share-based awards and compensation of \$7 millionMarch 3, 2022Climate Change RegulationsWe expect that our operations and
supply chain will become increasingly subject to federal, state, local and foreign laws, regulations and international treaties and industry standards relating to climate change and other
environmental and social impacts, risks and opportunities. For example, in the European Union (the "EU"), the EU Corporate Sustainability Reporting Directive, EU Corporate
Sustainability Due Diligence Directive and EU taxonomy initiatives will introduce, in staggered timelines, additional due diligence and disclosure requirements addressing sustainability that will
apply or we expect will apply, as applicable, to us in the coming years.3Looking ForwardWe expect continued growth within our global LMR installed base as a number of events such as
natural disasters and large-scale incidents continue to reinforce the importance of having secure, reliable LMR for public safety. We believe our augmentation of LMR with broadband solutions
will also drive growth, as we expect our customers will look to integrate valuable data capabilities. We expect to provide additional services to existing LMR customers as communications
systems become more complex, software-centric and data-driven. As public safety needs continue to evolve, we anticipate growth opportunities within the command center as our Command
Center portfolio supports the complex process of the public safety workflow from "911 call to case closure." We expect increased growth across our portfolio that consists of native cloud, hybrid
and on-premises software solutions that provide a migration path for our customers from on-premises solutions to cloud capabilities, as well as from the increasing adoption of NGCS.Within
Video, we expect growth across our portfolio of fixed and mobile video security solutions embedded with advanced analytics and access control solutions. We believe drivers include the
expansion of traditional video sales beyond enterprise customers to governments and public safety customers. Additionally, we believe that governments, public safety agencies and enterprises
are increasingly turning to scalable, cloud-based multi-factor authentication access control to make their facilities more secure with the ability to securely access, search and manage these
systems across their sites from a remote or central monitoring location. We also expect customers to continue to embrace analytics that convert video data into actionable insights and offerings,
such as "video-as-a-service."We anticipate new opportunities from the investments we are making to integrate our LMR, Video and Command Center technologies into one unified safety and
security ecosystem. We expect that our customers will continue to turn to cloud-based integrated solutions, as well as, we have made go-to-market and research and development investments in
both Video and our Command Center technologies with growth in mind. We have made a number of acquisitions and we see opportunities to continue to rationalize costs within both segments
of our business, further driving operating leverage in our businesses.Results of OperationsÅ Years ended December 31(Dollars in millions, except per share amounts)2024% ofSales **2023%
ofSales **2022% ofSales **Net sales from products\$6,454 Å \$5,814 Å \$5,368 Å Net sales from ServicesÅ 3,634 Å 4,164 Å 3,744 Å Net sales10,817 Å 9,788 Å 9,112 Å Costs of product
sales2,674 Å 4.1 Å %2,591 Å 4.4 Å %2,595 Å 48.3 Å %Costs of services sales2,631 Å 60.3 Å %2,417 Å 58.0 Å %2,288 Å 61.1 Å %Costs of sales3,054 Å 49.0 Å %5,008 Å 50.2 Å %4,883 Å 53.6 Å %Gross
margin5,512 Å 51.0 Å %4,970 Å 49.8 Å %4,229 Å 46.4 Å %Selling, general and administrative expenses1,752 Å 16.2 Å %1,561 Å 15.6 Å %1,450 Å 15.9 Å %Research and development
expenditures917 Å 8.5 Å %858 Å 8.6 Å %779 Å 8.5 Å %Other charges155 Å 1.4 Å %257 Å 2.6 Å %339 Å 3.7 Å %Operating earnings2,688 Å 24.8 Å %2,294 Å 23.0 Å %1,661 Å 18.2 Å %Other income
(expense).Interest expense, net(227) Å (2.1) Å %216) Å (2.2) Å %226) Å (2.5) Å %Gains on sales of investments and businesses, net(Å) Å (Å) Å (Å) Å (Å) Å 3 Å %Å (Å) Å Other, net(489)
(4.5) Å %68 Å 0.7 Å %77 Å 0.8 Å %Total other expense(716) Å (6.6) Å %148) Å (1.5) Å %146) Å (1.6) Å %Net earnings before income taxes1,972 Å 18.2 Å %1,462 Å 15.5 Å %1,515 Å 16.6 Å %Income tax
expense390 Å 3.6 Å %432 Å 4.3 Å %148 Å 1.6 Å %Net earnings1,582 Å 14.6 Å %1,174 Å 12.7 Å %1,367 Å 15.0 Å %Less: Earnings attributable to noncontrolling
interests5 Å (Å) Å 5 Å 0.1 Å %4 Å (Å) Å 4 Å (Å) Å %Net earnings**1,577 Å 14.6 Å %1,174 Å 12.7 Å %1,367 Å 15.0 Å %Earnings per diluted common share*\$9.23 Å *9.93 Å *9.93 Å * Å Å Å Å Amounts
attributable to Motorola Solutions, A Inc. common shareholders.** Å Å Å Percentages may not add due to rounding.3Geographic Market Sales by Locale of End Customer202420232022North
America72 Å 69 Å 70 Å International28 Å 31 Å 30 Å 100 Å 100 Å 100 Å Results of OperationsÅ 2024 Compared to 2023 Net Sales Å Years ended December 31(In
millions)20242023ChangeNet sales from Products and Systems Integration\$6,883 Å 6,242 Å 10 Å Net sales from Software and Services3,934 Å 3,736 Å 5 Å Net
sales\$10,817 Å \$9,788 Å 8 Å The Products and Systems Integration segmentÅ's net sales represented 64% of our net sales in 2024, compared to 63% of our net sales in 2023. The Software
and Services segmentÅ's net sales represented 36% of our net sales in 2024, compared to 37% of our net sales in 2023.Net sales increased by \$839 million, or 8%, compared to 2023. The
10% increase in net sales within the Products and Systems Integration segment was driven by a 13% increase in the North America region and a 3% increase in the International region. The 5%
increase in the Software and Services segment was driven by a 12% increase in the North America region partially offset by a 8% decline within the International region. The increase in net
sales included:Å can increase in the Products and Systems Integration segment, inclusive of \$43Å million of revenue from acquisitions, driven by growth in LMR and Video; andÅ can increase
in the Software and Services segment, inclusive of \$52Å million of revenue from acquisitions, driven by an increase in Video and Command Center, partially offset by LMR services due to the
revenue reduction on Airwave services in accordance with the Charge Control and the Company's exit of the Emergency Services Network contract with the Home Office in 2022, inclusive of
the twelve months of transition services through the end of 2023 (the "ESN Exit");Å can inclusive of \$2Å million from unfavorable currency rates.Regional results included:Å can 13% increase in
the North America region, inclusive of revenue from acquisitions, driven by growth in LMR, Video and Command Center; andÅ can 2% decline in the International region, inclusive of revenue
from acquisitions, driven by the revenue reduction on Airwave services in accordance with the Charge Control and the ESN Exit, partially offset by growth in LMR, Video and Command
Center.Products and Systems IntegrationThe 10% increase in the Products and Systems Integration segment was driven by the following:Å can Å 612 Å million, or 12% growth in LMR, driven by
both the North America and International regions; andÅ can Å 29 Å million, or 3% growth in Video, inclusive of revenue from acquisitions, driven by both the North America and International
regions;Å can inclusive of \$2 Å million from unfavorable currency rates.3Software and ServicesThe 5% increase in the Software and Services segment was driven by the following:Å can
Å 165 Å million, or 27% growth in Video, inclusive of revenue from acquisitions, driven by both the North America and International regions; andÅ can Å 71 Å million, or 10% growth in Command
Center, inclusive of revenue from acquisitions, driven by both the North America and International regions; partially offset byÅ can Å 38 Å million, or 2% decrease in LMR services, driven by the
revenue reduction on Airwave services in accordance with the Charge Control and the ESN Exit, partially offset by an increase in both the North America and International regions.Gross
Margin Å Years ended December 31(In millions)20242023ChangeGross margin from Products and Systems Integration\$3,668 Å \$3,127 Å 17 Å %Gross margin from Software and
Services1,844 Å 1,843 Å (Å) Å %Gross margin\$5,512 Å \$4,970 Å 11 Å %Gross margin was 51.0% of net sales in 2024 compared to 49.8% of net sales in 2023. The primary drivers of this increase in
gross margin as a percentage of net sales were:Å can 3.2% increase in gross margin as a percentage of net sales in the Products and Systems Integration segment, inclusive of acquisitions,
primarily driven by higher sales, favorable mix and lower direct material costs; partially offset byÅ can 2.4% decrease gross margin as a percentage of net sales in the Software and Services
segment, inclusive of acquisitions, driven by the revenue reduction on Airwave services in accordance with the Charge Control.Selling, General and Administrative ("SG&A") Expenses Å Years
ended December 31(In millions)20242023ChangeSG&A expenses from Products and Systems Integration\$1,392 Å \$1,239 Å 12 Å %SG&A expenses from Software and
Services360 Å 322 Å 12 Å %SG&A expenses\$1,752 Å \$1,561 Å 12 Å %SG&A expenses increased \$191 million, or 12% in 2024 compared to 2023 primarily due to:Å can Å 153 million, or 12% increase
in Products and Systems Integration SG&A expenses primarily due to higher employee incentive costs, including share-based compensation, and higher expenses related to legal matters,
including Hytera related legal expenses; andÅ can Å 38 million, or 12% increase in Software and Services SG&A expenses primarily due to higher employee incentive costs, including share-based
compensation, and higher expenses related to legal matters.SG&A expenses were 16.2% of net sales in 2024 compared to 15.6% of net sales in 2023.4Research and Development ("R&D")
Expenditures Å Years ended December 31(In millions)20242023ChangeR&D expenditures from Products and Systems Integration\$75 Å \$51 Å 4 Å %R&D expenditures from Software and
Services342 Å 307 Å 11 Å %R&D expenditures\$91 Å \$85 Å 7 Å %R&D expenditures increased \$59 million, or 7% in 2024 compared to 2023 primarily due to:Å can Å 35 million, or 11% increase in
Software and Services R&D expenses primarily due to higher employee incentive costs, including share-based compensation, and higher expenses associated with acquired businesses; andÅ can
Å 24 million, or 4% increase in Products and Systems Integration R&D expenses primarily due to higher employee incentive costs, including share-based compensation, and higher expenses
associated with acquired businesses.R&D expenditures were 8.5% of net sales in 2024 and 8.6% of net sales in 2023. Other Charges Å Years ended December 31(In millions)20242023Other
charges from Products and Systems Integrations\$25 Å \$94 Å 0 Å %Other charges from Software and Services130 Å \$163 Å 33 Å %Other charges\$155 Å \$257 Å 102 Å %Other charges decreased \$102 million, or 40% in
2024 compared to 2023 due to a \$69 million, or 73% decrease in Products and System Integration and a \$33 million, or 20% decrease in Software and Services. The decrease was primarily
driven by:Å can Å 61 million gain on the Hytera litigation in 2024 for the amounts recovered through legal proceedings due to theft of our trade secrets that did not occur in 2023 (see "Hytera
Civil Litigation" within "Note 12: Commitments and Contingencies" to our consolidated financial statements in "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K
for further information);Å can Å 152 million of intangible asset amortization expense in 2024 compared to \$177 million of intangible asset amortization expense in 2023;Å can Å 24 million
impairment loss related to the exit of video manufacturing operations in 2023 that did not occur in 2024 (see "Property, Plant and Equipment, Net" within "Note 4: Other Financial Data" to our
consolidated financial statements in "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for further information); andÅ can Å 2 million of environmental reserve
expense in 2024 compared to \$15 million in 2023; partially offset byÅ can Å 20 million of acquisition-related transaction fees in 2024 compared to \$7 million of acquisition-related transaction
fees.41Operating Earnings Å Years ended December 31(In millions)20242023Operating earnings from Products and Systems Integrations\$1,676 Å \$1,244 Å Operating earnings from Software and
Services1,012 Å 1,050 Å Operating earnings\$2,688 Å 2,294 Å Operating earnings increased \$394 million, or 17% in 2024 compared to 2023. The increase in Operating earnings was due to:Å can
Å 432 million increase in the Products and Systems Integration segment from 2023 to 2024, primarily driven by higher sales, favorable mix and a gain on the Hytera litigation (for further
information regarding the Hytera litigation, refer to Å can Hytera Civil LitigationÅ can within "

operations, primarily driven by higher sales and \$147 million fixed asset impairment loss in 2022 that did not recur in 2023 related to the ESN Exit, partially offset by the revenue reduction on Airwave services in 2023 due to the implementation of the Charge Control.Selling, General and Administrative ("SG&A") ExpensesYears ended December 31(In millions)20232022ChangeSG&A expenses from Products and Systems Integration\$1,239A \$1,156A 7% SG&A expenses from Software and Services322A 294A 10% SG&A expenses\$1,561A \$1,450A 8% SG&A expenses increased \$111 million, or 8% in 2023 compared to 2022 primarily due to:â€¢an \$83 million, or 7% increase in Products and Systems Integration SG&A expenses primarily due to higher employee incentive costs, including share-based compensation and higher expenses associated with acquired businesses, partially offset by lower Hytera-related legal expenses; andâ€¢a \$28 million, or 10% increase in Software and Services SG&A expenses primarily due to higher expenses associated with acquired businesses and higher employee incentive costs, including share-based compensation.SG&A expenses were 15.6% of net sales in 2023 compared to 15.9% of net sales in 2022. 44Research and Development ("R&D") ExpendituresÂ Years ended December 31(In millions)20232022ChangeR&D expenditures from Products and Systems Integration\$551A \$503A 10A % R&D expenditures from Software and Services307A 276A 11A % R&D expenditures\$858A \$779A 10A % R&D expenditures increased \$79 million, or 10% in 2023 compared to 2022 primarily due to:â€¢a \$48 million, or 10% increase in Products and Systems Integration R&D expenses primarily due to higher employee incentive costs, including share-based compensation, and higher expenses associated with acquired businesses; andâ€¢a \$31 million, or 11% increase in Software and Services R&D expenses primarily due to higher expenses associated with acquired businesses and higher employee incentive costs, including share-based compensation.R&D expenditures were 8.6% of net sales in 2023 and 8.5% of net sales in 2022. Other ChargesÂ Years ended December 31(In millions)20232022Other charges from Products and Systems Integration\$94A \$96A Other charges from Software and Services163A 243A Other charges\$257A \$339A Other charges decreased \$82 million, or 24% in 2023 compared to 2022 due to an \$80 million, or 33% decrease in Software and Service and a \$2 million, or 2% decrease in Products and Systems Integration. The decrease was primarily due to:â€¢a \$177 million of intangible asset amortization expense in 2023 compared to \$257 million in 2022;â€¢\$4 million of legal settlements in 2023 compared to \$23 million in 2022;â€¢\$6 million of operating lease asset impairments in 2023 compared to \$24 million in 2022;â€¢\$7 million of charges for acquisition-related transaction fees in 2023 compared to \$23 million in 2022; andâ€¢\$3 million of fixed asset impairments in 2023 compared to \$12 million in 2022; partially offset byâ€¢\$24 million impairment loss related to the exit of video manufacturing operations in 2023 that did not occur in 2022 (see "Property, Plant and Equipment, Net" within "Note 4: Other Financial Data" to our consolidated financial statements in "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for further information);â€¢\$15 million of environmental reserve expense in 2023 that did not occur in 2022;â€¢\$15 million of gain recoveries from the legal settlement under the Hytera bankruptcy proceedings in 2022 that did not occur in 2023; andâ€¢\$22 million of net reorganization of business charges in 2023 compared to \$18 million in 2022 (see "Note 14: Reorganization of Businesses" to our consolidated financial statements in â€¢Part II. Item 8. Financial Statements and Supplementary Dataâ€¢ of this Form 10-K for further information).45Operating EarningsÂ Years ended December 31(In millions)20232022Operating earnings from Products and Systems Integration\$1,244A \$913A Operating earnings from Software and Services1,050A 748A Operating earnings\$2,294A \$1,661A Operating earnings increased \$633 million, or 38% in 2023 compared to 2022. The increase in Operating earnings was due to:â€¢a \$331 million increase in the Products and Systems Integration segment from 2022 to 2023, primarily driven by higher sales and lower direct material costs, partially offset by higher employee incentive costs, including share-based compensation; andâ€¢a \$302 million increase in the Software and Services segment from 2022 to 2023, primarily driven by higher sales and a \$147 million fixed asset impairment loss in 2022 that did not recur in 2023, related to the ESN Exit, and a reduction in intangible amortization expenses, partially offset by the revenue reduction on Airwave services in 2023 due to the implementation of the Charge Control, and higher expenses associated with acquired businesses.Interest Expense, netÂ Years ended December 31(In millions)20232022Interest expense, net\$(216)\$ (226)The \$10 million decrease in net interest expense in 2023 compared to 2022 was a result of higher interest income earned on cash, partially offset by higher debt outstanding.Gains on Sales of Investments and Businesses, netÂ Years ended December 31(In millions)20232022Gains on sales of investments and businesses, net\$6A \$3A The net gains on sales of investments and businesses were primarily related to the sales of various equity investments that occurred in 2022.Other, netÂ Years ended December 31(In millions)20232022Other, net\$68A \$77A Other, net income decreased \$9 million in 2023 compared to 2022 primarily due to:â€¢\$53 million of foreign currency loss in 2023 compared to \$37 million of foreign currency gain in 2022;â€¢\$99 million of net periodic pension and postretirement benefit in 2023 compared to \$123 million of net periodic pension and postretirement benefit in 2022;â€¢a \$21 million gain on TETRA Ireland equity method investment in 2022 that did not occur in 2023; andâ€¢\$16 million of investment impairments in 2023 compared to \$1 million of investment impairments in 2022; partially offset byâ€¢a \$20 million gain on derivatives in 2023 compared to a \$61 million loss on derivatives in 2022;â€¢a \$13 million loss on fair value adjustments to equity investments in 2023 compared to an \$30 million loss on fair value adjustments to equity investments in 2022;â€¢a \$6 million loss on the extinguishment of long-term debt in 2022 that did not occur in 2023; andâ€¢a \$3 million loss on equity method investments in 2022 that did not occur in 2023.46Effective Tax RateYears ended December 31(In millions)20232022Income tax expense\$432A \$148A Income tax expense increased by \$284 million in 2023 compared to 2022, for an effective tax rate of 20.1%, which is lower than the current U.S. federal statutory rate of 21% primarily due to:â€¢a \$38 million benefit from the foreign derived intangible income deduction;â€¢\$33 million of benefits due to the recognition of excess tax benefits on share-based compensation; andâ€¢\$19 million of benefits due to the generation of research and development tax credits, offset by:â€¢\$71 million tax expense for estimated 2023 U.S. state income taxes.Our effective tax rate in 2022 was 9.8%, which is lower than the current U.S. federal statutory rate of 21% primarily due to:â€¢\$77 million of a non-recurring net deferred tax benefit as a result of an intra-group transfer of certain intellectual property rights;â€¢\$68 million of benefits due to the recognition of excess tax benefits on share-based compensation;â€¢\$59 million benefit from the foreign derived intangible income deduction; andâ€¢\$47 million benefit due to a change in the Company's ability to utilize tax attribute carryforwards resulting in the partial release of valuation allowances.Reorganization of BusinessesIn 2024, we recorded net reorganization of business charges of \$38 million relating to the separation of 720 employees, of which 460 were direct employees and 260A were indirect employees. The \$38 million of charges included \$12 million of charges recorded to Cost of sales and \$26 million of charges recorded to Other charges. Included in the aggregate \$38 million were charges of \$48 million related to employee separation costs, partially offset by \$6 million of reversals for employee separation accruals no longer needed and \$4 million of reversals for exit cost accruals no longer needed.During 2023, we recorded net reorganization of business charges of \$53 million relating to the separation of 700 employees, of which 420 were direct employees and 280A were indirect employees. The \$53 million of charges included \$7 million recorded to Cost of sales and \$46 million recorded to Other charges. Included in the aggregate \$53 million were charges of \$41 million related to employee separation costs and a \$24 million impairment loss related to the exit of video manufacturing operations, partially offset by \$7 million of reversals for employee separation accruals no longer needed and \$5 million of reversals for exit cost accruals no longer needed.During 2022, we recorded net reorganization of business charges of \$36 million relating to the separation of 460 employees, of which 310 were direct employees and 150 were indirect employees. The \$36 million of charges included \$18 million recorded to Cost of sales and \$18 million recorded to Other charges. Included in the aggregate \$36 million were charges of \$36 million for employee separation costs and \$10 million for exit costs, partially offset by \$10 million of reversals for accruals no longer needed. The following table displays the net charges incurred by business segment due to such reorganizations:Years ended December 31202420232022Products and Systems Integration\$32A \$45A \$21A Software and Services6A 8A 15A \$38A \$53A \$36A Cash payments for employee severance in connection with the reorganization of business plans were \$38 million, \$37 million, and \$34 million in 2024, 2023, and 2022, respectively. The reorganization of business accruals for employee separation costs at DecemberÂ 31, 2024 were \$27 million which we expect to pay within one year.At JanuaryÂ 1, 2024, we had an accrual of \$5 million for exit costs related to our exit of the ESN contract with the Home Office. During the year, we recorded a \$4 million reversal for accruals no longer needed. The remaining \$1 million of exit costs are recorded in Accrued liabilities in Our Consolidated Balance Sheet at DecemberÂ 31, 2024, and are expected to be paid within one year.47Liquidity and Capital ResourcesYears Ended December 31202420232022Cash flows provided by (used for):Â A Â A Operating activities\$2,391A \$2,044A \$1,823A A Â A Investing activities(507)(41)(38)A A Â A Financing activities(1,448)(1,295)(906)A A Effect of exchange rates on cash and cash equivalents(39)45A (79)Increase (decrease) in cash and cash equivalents\$937A \$380A \$(549)Cash and Cash EquivalentsAt DecemberÂ 31, 2024, \$1.8 billion of our \$2.1 billion cash and cash equivalents balance was held in the U.S. and \$299 million was held in other countries. Restricted cash was \$3 million as of DecemberÂ 31, 2024 and \$2 million as of DecemberÂ 31, 2023. We routinely repatriate a portion of non-U.S. earnings each year. We have recorded income tax expense for foreign withholding tax and distribution taxes on such earnings and, under current U.S. tax laws, do not expect to incur material incremental U.S. tax on repatriation. Where appropriate, we may also pursue capital reduction activities; however, such activities can be involved and lengthy. While we regularly repatriate funds, and a portion of offshore funds can be repatriated with minimal adverse financial impact, repatriation of some of these funds may be subject to delay due to local country approvals.Operating ActivitiesThe increase in operating cash flows from 2023 to 2024 was primarily driven by higher earnings, net of non-cash charges.The increase in operating cash flows from 2022 to 2023 was driven by:â€¢higher earnings, net of non-cash charges; andâ€¢improved working capital; partially offset byâ€¢\$280 million of higher income tax payments, including a one-time \$70 million cash tax payment made in 2023 related to an intra-group transfer of certain IP rights that was completed in 2022 (see "Note 7: Income Taxes" to our consolidated financial statements in â€¢Part II. Item 8. Financial Statements and Supplementary Dataâ€¢ of this Form 10-K for further information).Investing ActivitiesThe increase in net cash used for investing activities from 2023 to 2024 was primarily due to:â€¢\$110 million increase in acquisitions and investments, driven by acquisitions and investments of \$290 million in 2024 compared to \$180 million in 2023; andâ€¢\$4 million increase in capital expenditures in 2024 compared to 2023; partially offset byâ€¢\$21 million increase in proceeds from the sale of investments in 2024 compared to 2023.The decrease in net cash used for investing activities from 2022 to 2023 was primarily due to:â€¢\$997 million decrease in acquisitions and investments, driven by acquisitions of \$180 million in 2023 compared to \$1.2 billion in 2022; andâ€¢\$3 million decrease in capital expenditures in 2023 compared to 2022; partially offset byâ€¢\$27 million decrease in proceeds from the sale of investments in 2023 compared to 2022.48Financing ActivitiesThe increase in cash used for financing activities in 2024 compared to cash used for financing activities in 2023 was driven by (also see further discussion in "Debt," "Credit Facilities," "Share Repurchase Program" and "Dividends" in this section below): â€¢\$1.9 billion increase in repayments of debt in 2024 primarily driven by the repurchase of the Silver Lake Convertible Debt and repayment of our 4.0% senior notes due 2024;â€¢\$654 million cash used for the payment of dividends in 2024 compared to \$589 million in 2023; andâ€¢\$75 million in net proceeds from the issuance of common stock in connection with our employee stock option and employee stock purchase plans in 2024 compared to \$104 million in 2023; partially offset byâ€¢\$1.3 billion in net proceeds in 2024 driven by the issuance of our 5.0% senior notes due 2029 and 5.4% senior notes due 2034; andâ€¢\$247 million used for purchases under our share repurchase program in 2024 compared to \$804 million in 2023.The increase in cash used for financing activities in 2023 compared to cash used for financing activities in 2022 was driven by: â€¢\$589 million cash used for the payment of dividends in 2023 compared to \$530 million in 2022; andâ€¢\$104 million in net proceeds from the issuance of common stock in connection with our employee stock option and employee stock purchase plans in 2023 compared to \$156 million in 2022; partially offset by

cash flows generated from operations. We expect to use our available cash, investments, and debt facilities to support and invest in our business. This includes investing in our existing products and technologies, seeking new acquisition opportunities related to our strategic growth initiatives and returning cash to shareholders through common stock cash dividend payments (subject to the discretion of our Board of Directors) and share repurchases. Refer also to "Part I. Item 1A. Risk Factors" of this Form 10-K for further discussion regarding access to the capital markets.50Material Cash Requirements from Contractual and Other ObligationsSummarized in the table and text below are our short-term (within the next twelve months) and long-term material cash requirements as of December 31, 2024, which we expect to fund with a combination of operating cash flows, existing cash balances or, as needed, borrowings under new or existing debt.Â Payments Due by Period (in millions)Short-termLong-termLong-term debt obligations, gross(1)\$322Â \$5,726Â Lease obligations(2)146Â 467Â Purchase obligations(3)151Â 562Â Total obligations\$619Â \$6,755Â (1)Amounts included represent the estimated principal payments applicable to outstanding debt. Refer to "Note 5: Debt and Credit Facilities" in "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for discussion related to our long-term debt obligations.(2)We lease certain office, factory and warehouse space, land, and other equipment, principally under non-cancelable operating leases. We are evaluating our real estate needs in order to identify opportunities to reduce long-term cash requirements for office space where practicable. Refer to "Note 3: Leases" to our consolidated financial statements in "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for further discussion of these material lease obligations.(3)Amounts included represent firm, non-cancelable commitments. Such commitments include license agreements and agreements with contract manufacturers and suppliers that either allow them to procure inventory based upon criteria as defined by us or establish the parameters defining our requirements.Â We do not anticipate the cancellation of any of our take-or-pay agreements in the future and estimate that purchases from these suppliers will exceed the minimum obligations during the agreement periods.Other ContingenciesPotential Contractual Damage Claims in Excess of Underlying Contract Value: In certain circumstances, we enter into contracts with customers pursuant to which the damages that could be claimed by the customer for failed performance might exceed the revenue we receive from the contract. Contracts with these types of uncapped damages provisions are fairly rare, but individual contracts could still represent meaningful risk. There is a possibility that a claim by a counterparty to one of these contracts could result in expenses that are far in excess of the revenue received from the counterparty in connection with the contract.Indemnification Provisions: We may provide indemnifications for losses that result from the breach of general warranties contained in certain commercial and intellectual property agreements. Historically, we have not made significant payments under these agreements, nor have there been significant claims asserted against us. However, there is an increasing risk in relation to intellectual property indemnities given the current legal climate. In indemnification cases, payment by us is conditioned on the other party making a claim pursuant to the procedures specified in the particular contract, which procedures typically allow us to challenge the other party's claims. In some instances we may have recourse against third-parties for certain payments made by us.legal Matters: We are a defendant in various lawsuits, claims, and actions, which arise in the normal course of business. In the opinion of management, the ultimate disposition of these matters will not have a material adverse effect on our consolidated financial position or liquidity. However, an unfavorable resolution could have a material adverse effect on our results of operations in the periods in which the matters are ultimately resolved, or in the periods in which more information is obtained that changes management's opinion of the ultimate disposition.Long-term Customer Financing CommitmentsOutstanding Commitments:Â Certain purchasers of our products and services may request that we provide long-term financing (defined as financing with a term of greater than one year) in connection with the sale of equipment. These requests may include all or a portion of the purchase price of the products and services. Our obligation to provide long-term financing may be conditioned on the issuance of a letter of credit in favor of us by a reputable bank to support the purchaser's credit or a pre-existing commitment from a reputable bank to purchase the long-term receivables from us. We had outstanding commitments to provide long-term financing to third-parties totaling \$105 million at December 31, 2024 and \$103 million at December 31, 2023. 51Critical Accounting EstimatesThis Management's Discussion and Analysis of Financial Condition and Results of Operations discusses our consolidated financial statements, which have been prepared in accordance with U.S. generally accepted accounting principles ("GAAP"). The preparation of these financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements, as well as the reported amounts of revenues and expenses during the reporting period.Management bases its estimates and judgments on historical experience, current economic and industry conditions and on various other factors that are believed to be reasonable under the circumstances. This forms the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions. We believe that the following discussion addresses our most critical accounting estimates, which are those that are most important to the portrayal of our financial condition and results of operations and require management's most difficult, subjective and complex judgments.Revenue RecognitionWe enter into arrangements which generally consist of multiple promises to our customers. We evaluate whether the promised goods and services are distinct or a series of distinct goods or services. Where contracts contain multiple performance obligations, we allocate the total estimated consideration to each performance obligation based on applying an estimated selling price (the ESP) as our best estimate of standalone selling price. We use list price as the standalone selling price for sales sold through our channel partners. Given the unique nature of the goods and services we provide to direct customers, standalone sales of our products generally do not exist. Therefore, we determine ESP by: (i) collecting all reasonably available data points including historical sales, cost and margin analyses of the product or services, and other inputs based on our normal pricing and discounting practices, (ii) making any reasonably required adjustments to the data based on market and Company-specific factors, and (iii) stratifying the data points for similar customers and circumstances, when appropriate, based on major product or service, type of customer, geographic market, and sales volume.We account for certain system contracts on an over time basis, electing an input method of estimated costs as a measure of performance completed. The selection of costs incurred as a measure of progress aligns the transfer of control to the overall production of the customized system.For system contracts accounted for over time using estimated costs as a measure of performance completed, we rely on estimates around the total estimated costs to complete the contract (the Estimated Costs to Complete). Estimated Costs to Complete include direct labor, equipment and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. We have a standard and disciplined process in which management reviews the progress and performance of open contracts in order to determine the best estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor costs, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. When estimates of total costs to be incurred on a contract exceed estimates of total revenue to be earned, a provision for the entire loss on the contract is recorded in the period in which the loss is determined.Retirement BenefitsOur benefit obligations and net periodic pension costs (benefits) associated with our domestic noncontributory pension plans (the U.S. Pension Benefit Plans), our foreign noncontributory pension plans (the Non-U.S. Plans), as well as our domestic postretirement health care plan (the Postretirement Health Care Benefits Plan), are determined using actuarial assumptions.Â The assumptions are based on management's best estimates, after consulting with outside investment advisors and actuaries.Accounting methodologies use an attribution approach that generally spreads the effects of individual events over the service lives of the participants in the plan, or estimated average lifetime when almost all of the plan participants are considered "inactive." Examples of events are plan amendments and changes in actuarial assumptions such as discount rate, expected long-term rate of return on plan assets, and rate of compensation increases. As such, depending on the specific plan, we amortize gains and losses over periods ranging from eight to twenty-five years. Prior service costs are being amortized over periods ranging from one to fifteen years. Benefits under all pension plans are valued based on the projected unit credit cost method. There are various assumptions used in calculating the net periodic costs (benefits) and related benefit obligations. One of these assumptions is the expected long-term rate of return on plan assets. The required use of the expected long-term rate of return on plan assets may result in recognized pension income that is greater or less than the actual returns of those plan assets in any given year. Over time, however, the expected long-term returns are designed to approximate the actual long-term returns. We use a five-year, market-related asset value method of recognizing asset related gains and losses.2We use long-term historical actual return experience with consideration of the expected investment mix of the plans' assets, as well as future estimates of long-term investment returns, to develop our expected rate of return assumption used in calculating the net periodic pension cost (benefit) and the net postretirement health care benefit. Our investment return assumption for the U.S. Pension Benefit Plans was 7.74% in 2024 and 7.87% in 2023. Our investment return assumption for the Postretirement Health Care Benefits Plan was 8.30% in 2024 and 8.00% in 2023. Our weighted average investment return assumption for the Non-U.S. Plans was 5.84% in 2024 and 6.18% in 2023. For the U.S. Pension Benefit Plans, a 25 bps increase in expected return on plan assets would result in \$10 million of additional net periodic pension benefit and a 25 bps decrease would result in a \$10 million reduction in net periodic pension benefit in 2024. For the Non-U.S. Pension Benefit Plans, a 25 bps increase in expected return on plan assets would result in \$4 million of additional net periodic pension benefit and a 25 bps decrease would result in a \$4 million reduction in net periodic pension benefit in 2024. For the Postretirement Health Care Benefits Plan, a change in expected return on plan assets would have a de minimis impact to net periodic pension benefit in 2024.A second key assumption is the discount rate. The discount rate assumptions used for the U.S. Pension Benefit Plans, the Non-U.S. Plans and the Postretirement Health Care Benefits Plan reflect, at December 31 of each year, the prevailing market rates for high-quality, fixed-income debt instruments that, if the obligation was settled at the measurement date, would provide the necessary future cash flows to pay the benefit obligation when due. Our discount rates for measuring our U.S. Pension Benefit Plan obligations were 5.70% and 5.01% at December 31, 2024 and 2023, respectively. Our weighted average discount rates for measuring our Non-U.S. Plans were 5.07% and 4.3% at December 31, 2024 and 2023, respectively. Our discount rates for measuring the Postretirement Health Care Benefits Plan obligation were 5.49% and 4.92% at December 31, 2024 and 2023, respectively. For the U.S. Pension Benefit Plans, a 25 bps increase in the discount rate on the projected benefit obligation would result in a \$109 million reduction of the projected benefit obligation and a 25 bps decrease would result in \$115 million of additional projected benefit obligation in 2024. For the Non-U.S. Pension Benefit Plans and the Postretirement Health Care Benefits Plan, a 25 bps change in our discount rate would be de minimis in 2024.Valuation and Recoverability of GoodwillWe assess the recorded amount of goodwill for recovery on an annual basis as of the last day of the third quarter of each fiscal year. Goodwill is assessed more frequently if an event occurs or circumstances change that would indicate it is more-likely-than-not that the fair value of a reporting unit is below its carrying amount. We continually assess whether any such events and circumstances have occurred, which requires a significant amount of judgment. Such events and circumstances may include: (i) adverse changes in macroeconomic conditions, (ii) adverse changes in the industry or market in which we transact, (iii) changes in cost factors negatively impacting earnings and cash flows, (iv) negative or declining overall financial performance, (v) events affecting the carrying value or composition of a reporting unit, or (vi) a sustained decrease in share price, among others. Any such adverse event or change in circumstances could have a significant impact on the recoverability of goodwill and could have a material impact on our consolidated financial statements.The goodwill impairment assessment is performed at the reporting unit level. A reporting unit is an operating segment or one level below an operating segment (referred to as a component). A component of an operating segment is a reporting unit if the component constitutes a business for which discrete financial information is available and segment management regularly reviews the operating results of that component. When two or more components of an operating segment have similar economic characteristics, the components are aggregated and deemed a single reporting unit. An operating segment is deemed to be a reporting unit if all of its components are similar, if none of its components is a reporting unit, or if the segment comprises only a single component. Based on this guidance, we have determined that our Products and Systems Integration and Software and Services segments are comprised of three and two reporting units, respectively. We performed a qualitative assessment to determine whether it was more-likely-than-not that the fair value of each reporting unit was less than its carrying amount for the fiscal years 2024 and 2023. In performing this qualitative assessment we assessed relevant events and circumstances including macroeconomic conditions, industry and market conditions, cost factors, overall financial performance, changes in enterprise value and entity-specific events. For fiscal years 2024 and 2023, we concluded it was more-likely-than-not that the fair value of each reporting unit exceeded its carrying value.Valuation of Deferred Tax Assets and LiabilitiesWe use the asset and liability method of accounting for income taxes. Under this method, income tax expense is recognized for the amount of taxes payable or refundable for the current year. In addition, deferred tax assets and liabilities are recognized for the expected future tax consequences of temporary differences between the financial reporting and tax bases of assets and liabilities, and for operating losses and tax credit carryforwards. Management makes assumptions, judgments and estimates to determine our current and deferred tax provision and also the deferred tax assets and liabilities. We evaluate our deferred tax assets quarterly to determine if adjustments to our valuation allowance are required based on the consideration of all available positive and negative evidence. Our assumptions, judgments and estimates for computing the income tax provision takes into account current tax laws, our interpretation of current tax law and possible outcomes of current and future audits conducted by foreign and domestic tax authorities. We believe such estimates to be reasonable; however, the final determination of certain audits could significantly impact the amounts provided for income taxes in our financial statements.53Recent Accounting Pronouncements and Recently Adopted Accounting PronouncementsSee Note 1: Summary of Significant Accounting Policies of our consolidated financial statements in Part II. Item 8: Financial Statements and Supplementary Data of this Form 10-K.54Item 7A. Quantitative and Qualitative Disclosures About Market RiskInterest Rate RiskOur exposure to market risk for changes in interest rates relates primarily to our long-term debt as interest rate fluctuations impact the fair value of our long-term debt. As of December 31, 2024, we had \$6.0 billion of long-term debt, including the current portion, which is primarily priced at long-term, fixed interest rates. A hypothetical 10% decrease in interest rates as of the end of 2024 would have increased the fair value of our debt by approximately \$174 million at December 31, 2024. See "Note 5: Debt and Credit Facilities" to the consolidated financial statements included in Part II. Item 8. Financial Statements and Supplementary Data of this Form 10-K for more information on our long-term debt.Foreign Currency RiskWe are exposed to foreign currency risk as a result of buying and selling in various currencies, our net investments in foreign entities, and monetary assets and liabilities denominated in a currency other than the functional currency of the legal entity holding the instrument. We use financial instruments to reduce our overall exposure to the effects of currency fluctuations on cash flows. Our policy prohibits speculation in financial instruments for profit on exchange rate price fluctuations, trading in currencies for which there are no underlying exposures, or entering into transactions for any currency to intentionally increase the underlying exposure.Our strategy related to foreign exchange exposure management is to offset the gains or losses on the financial instruments against losses or gains on the underlying operational cash flows, net investments or monetary assets and liabilities based on our assessment of risk. We enter into derivative contracts for some of our non-functional currency cash, receivables, and payables, which are primarily denominated in major currencies that can be traded on open markets. Our policy permits us to use forward contracts and options to hedge these currency exposures. In addition, we enter into derivative contracts for some forecasted transactions or net investments in some of our overseas entities, which are designated as part of a hedging relationship if it is determined that the transaction qualifies for hedge accounting under the provisions of the authoritative accounting guidance for derivative instruments and hedging activities. A portion of our exposure is from currencies that are not traded in liquid markets and these are addressed, to the extent reasonably possible, by managing net asset positions, product pricing and component sourcing.We had outstanding foreign exchange contracts with notional values totaling \$1.0 billion and \$1.3 billion at the end of December 31, 2024 and December 31, 2023, respectively. Management does not believe these financial instruments should subject it to undue risk due to foreign exchange movements because gains and losses on these contracts should generally offset gains and losses on the underlying assets, liabilities and transactions.The following table shows the five largest net notional amounts of the positions to buy or sell foreign currency as of December 31, 2024 and the corresponding positions as of December 31, 2023:Â Notional AmountNet Buy (Sell) by Currency20242023Euro\$150Â \$322Â Australian dollar(136)140British pound124Â 252Â Canadian dollar70Â 76Â Chinese renminbi(48)(66)Foreign exchange financial instruments that are subject to the effects of currency fluctuations, which may affect reported earnings, include derivative financial instruments and monetary assets and liabilities denominated in a currency other than the functional currency of the legal entity holding the instrument. Currently, our derivative financial instruments consist primarily of currency forward contracts. Other monetary assets and liabilities denominated in a currency other than the functional currency of the legal entity consist primarily of cash, cash equivalents, accounts payable and accounts

receivable. Assuming the amounts of the outstanding foreign exchange contracts represent our underlying foreign exchange risk related to monetary assets and liabilities, a hypothetical unfavorable 10% movement in the foreign exchange rates at December 31, 2024 would reduce the value of those monetary assets and liabilities by approximately \$59 million. Our market risk calculation represents an estimate of reasonably possible net losses that would be recognized assuming hypothetical 10% movements in future currency market pricing and is not necessarily indicative of actual results, which may or may not occur. It does not represent the maximum possible loss or any expected loss that may occur, since actual future gains and losses will differ from those estimated, based upon, among other things, actual fluctuation in market rates, operating exposures, and the timing thereof. We believe, however, that any such loss incurred would be offset by the effects of market rate movements on the respective underlying derivative financial instruments transactions.

55Item 8: Financial Statements and Supplementary DataIndex to Consolidated Financial StatementsPageReport of Independent Registered Public Accounting Firm (PCAOB ID 238)57Consolidated Financial Statements:Consolidated Statements of Operations59Consolidated Statements of Comprehensive Income (Loss)60Consolidated Balance Sheets61Consolidated Statements of Stockholders' Equity62Consolidated Statements of Cash Flows63Notes to Consolidated Financial Statements6456REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRMTo the Board of Directors and Stockholders of Motorola Solutions, Inc.Opinions on the Financial Statements and Internal Control over Financial ReportingWe have audited the accompanying consolidated balance sheets of Motorola Solutions, Inc. and its subsidiaries (the "Company") as of December 31, 2024 and 2023, and the related consolidated statements of operations, of comprehensive income (loss), of stockholders' equity and of cash flows for each of the three years in the period ended December 31, 2024, including the related notes (collectively referred to as the "consolidated financial statements"). We also have audited the Company's internal control over financial reporting as of December 31, 2024, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2024 and 2023, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2024 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2024, based on criteria established in Internal Control - Integrated Framework (2013) issued by the COSO. Basis for OpinionsThe Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB. We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions. Definition and Limitations of Internal Control over Financial ReportingA company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. Critical Audit MattersThe critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

57Revenue Recognition - Estimated Costs to Complete System ContractsAs described in Note 1 to the consolidated financial statements, \$2.0 billion of the Company's total net sales for the year ended December 31, 2024 was generated from system contracts. The Company's revenue recognition over time is based on an input measure of costs incurred, which depicts the transfer of control to its customers under its contracts. For system contracts accounted for over time using estimated costs as a measure of performance completed, management relies on estimates around the total estimated costs to complete the contract (Estimated Costs to Complete). Estimated Costs to Complete include direct labor, material and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. Management reviews the progress and performance of open contracts in order to determine the estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor cost, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. The principal considerations for our determination that performing procedures relating to revenue recognition - estimated costs to complete system contracts is a critical audit matter are (i) the significant judgment by management in developing the estimates of total net sales and Estimated Costs to Complete, including significant judgments and assumptions on a contract by contract basis and (ii) a high degree of auditor judgment, subjectivity, and effort in performing procedures and evaluating audit evidence related to management's estimates of total net sales and Estimated Costs to Complete for system contracts. Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to the revenue recognition process, including controls over the estimates of total net sales and Estimated Costs to Complete for system contracts. These procedures also included, among others, testing management's process for developing the estimates of total net sales and Estimated Costs to Complete, including evaluating, for a sample of contracts, the reasonableness of certain significant judgments and assumptions used by management. Evaluating the significant judgments and assumptions used by management in developing the estimates of total net sales and Estimated Costs to Complete involved evaluating whether the significant judgments and assumptions were reasonable considering (i) on a test basis, management's historical forecasting accuracy; (ii) on a test basis, evidence to support the relevant judgments and assumptions; (iii) the consistent application of accounting policies; and (iv) the timely identification of circumstances which may require a modification to a previous estimate.

/s/ PricewaterhouseCoopers LLPChicago, IllinoisFebruary 14, 2025We have served as the Company's auditor since 2018.

58Consolidated Statements of Operations

Years ended December 31 (In millions, except per share amounts)	2024	2023	2022																																																																																																																																																																																																																				
Net sales from products	\$6,454A	\$5,814A	\$5,368A																																																																																																																																																																																																																				
Net sales from services	4,363A	4,164A	3,744A																																																																																																																																																																																																																				
Net sales	10,817A	9,978A	9,112A																																																																																																																																																																																																																				
Costs of products	sales2,674A	2,591A	2,595A																																																																																																																																																																																																																				
Costs of services	sales2,631A	2,417A	2,288A																																																																																																																																																																																																																				
Costs of sales	5,305A	5,008A	4,883A																																																																																																																																																																																																																				
Gross margin	5,512A	4,970A	4,229A																																																																																																																																																																																																																				
Selling, general and administrative expenses	1,752A	1,561A	1,450A																																																																																																																																																																																																																				
Research and development expenditures	917A	858A	779A																																																																																																																																																																																																																				
Other charges	155A	257A	339A																																																																																																																																																																																																																				
Operating earnings	2,688A	2,294A	1,661A																																																																																																																																																																																																																				
Other income (expense): Interest expense, net	(27)A	(216)A	(226)A																																																																																																																																																																																																																				
Gains on sales of investments and businesses, net	4A	3A	Other	(489)A	68A	77A																																																																																																																																																																																																																	
Total other expense	(716)A	(148)A	(146)A																																																																																																																																																																																																																				
Net earnings before income taxes	1,972A	2,146A	1,515A																																																																																																																																																																																																																				
Income tax expense	390A	432A	148A																																																																																																																																																																																																																				
Net earnings	1,582A	1,714A	1,367A																																																																																																																																																																																																																				
Earnings attributable to noncontrolling interests	5A	4A	4A																																																																																																																																																																																																																				
Net earnings attributable to Motorola Solutions, Inc.	\$1,577A	\$1,709A	\$1,363A																																																																																																																																																																																																																				
Earnings per common share: Basic	\$9.45A	\$10.23A	\$8.14A																																																																																																																																																																																																																				
Diluted	9.23A	9.93A	7.93A																																																																																																																																																																																																																				
Weighted average common shares outstanding: Basic	166.8A	167.0A	167.5A																																																																																																																																																																																																																				
Diluted	170.8A	172.1A	171.9A																																																																																																																																																																																																																				
Dividends declared per share	\$4.03A	\$3.62A	\$3.25A																																																																																																																																																																																																																				
See accompanying notes to consolidated financial statements.	59	Consolidated Statements of Comprehensive Income (Loss)	5A																																																																																																																																																																																																																				
Years ended December 31 (In millions)	2024	2023	2022																																																																																																																																																																																																																				
Net earnings	\$1,582A	\$1,714A	\$1,367A																																																																																																																																																																																																																				
Other comprehensive income (loss), net of tax	(Note 4): Foreign currency translation adjustments	(64)57A	(155)A																																																																																																																																																																																																																				
Derivative instruments	5A	(12)46A	Defined benefit plans	60A	(50)1A																																																																																																																																																																																																																		
Total other comprehensive income (loss), net of tax	1A	(5)156A	Comprehensive income	1,583A	1,709A	1,211A																																																																																																																																																																																																																	
Less: Earnings attributable to noncontrolling interests	5A	5A	4A																																																																																																																																																																																																																				
Comprehensive income attributable to Motorola Solutions, Inc.	\$1,578A	\$1,704A	\$1,207A																																																																																																																																																																																																																				
See accompanying notes to consolidated financial statements.	60	Consolidated Balance Sheets	5A																																																																																																																																																																																																																				
December 31 (In millions, except par value)	2024	2023	ASSETS	Cash and cash equivalents	2,102A	\$1,705A																																																																																																																																																																																																																	
Accounts receivable, net	1,952A	1,710A																																																																																																																																																																																																																					
Contract assets	1,230A	1,102A																																																																																																																																																																																																																					
Inventories, net	766A	827A																																																																																																																																																																																																																					
Other current assets	429A	357A																																																																																																																																																																																																																					
Current assets held for disposition	4A	24A																																																																																																																																																																																																																					
Total current assets	6,479A	5,725A																																																																																																																																																																																																																					
Property, plant and equipment, net	1,022A	964A																																																																																																																																																																																																																					
Operating lease assets	529A	495A																																																																																																																																																																																																																					
Investments	135A	143A																																																																																																																																																																																																																					
Deferred income taxes	1,280A	1,062A																																																																																																																																																																																																																					
Goodwill	3,526A	3,401A																																																																																																																																																																																																																					
Intangible assets, net	1,249A	1,255A																																																																																																																																																																																																																					
Other assets	375A	274A																																																																																																																																																																																																																					
Non-current assets held for disposition	4A	17A																																																																																																																																																																																																																					
Total assets	\$14,595A	\$13,336A																																																																																																																																																																																																																					
LIABILITIES AND STOCKHOLDERS' EQUITY	Current portion of long-term debt	\$322A	\$1,313A																																																																																																																																																																																																																				
Accounts payable	1,018A	881A																																																																																																																																																																																																																					
Contract liabilities	2,072A	2,037A																																																																																																																																																																																																																					
Accrued liabilities	1,643A	1,504A																																																																																																																																																																																																																					
Current liabilities held for disposition	4A	1A																																																																																																																																																																																																																					
Total current liabilities	5,055A	5,736A																																																																																																																																																																																																																					
Long-term debt	5,675A	4,705A																																																																																																																																																																																																																					
Operating lease liabilities	427A	407A																																																																																																																																																																																																																					
Other liabilities	1,719A	1,741A																																																																																																																																																																																																																					
Non-current liabilities held for disposition	4A	8A																																																																																																																																																																																																																					
Preferred stock, \$100 par value: 0.5 shares authorized; none issued and outstanding	4A	4A																																																																																																																																																																																																																					
Common stock, \$0.01 par value: 2A	2A	2A																																																																																																																																																																																																																					
Authorized shares: 12/31/24	168.6	12/31/23	167.4																																																																																																																																																																																																																				
Outstanding shares: 12/31/24	167.1	12/31/23	166.2																																																																																																																																																																																																																				
Additional paid-in capital	1,940A	1,622A																																																																																																																																																																																																																					
Retained earnings	2,300A	1,640A																																																																																																																																																																																																																					
Accumulated other comprehensive loss	(2,539)A	(2,540)A																																																																																																																																																																																																																					
Total Motorola Solutions, Inc. stockholders' equity	1,703A	724A																																																																																																																																																																																																																					
Noncontrolling interests	16A	15A																																																																																																																																																																																																																					
Total stockholders' equity	1,719A	739A																																																																																																																																																																																																																					
Total liabilities and stockholders' equity	14,595A	13,336A																																																																																																																																																																																																																					
See accompanying notes to consolidated financial statements.	61	Consolidated Statements of Stockholders' Equity	(In millions)	Shares	Common Stock	and Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Noncontrolling Interests	Balance as of January 1, 2022	169.6A	\$989A	(\$2,379)A	\$1,350A	\$17A	Net earnings	1,363A	4A	Other comprehensive loss	(156)A																																																																																																																																																																																																			
Issuance of common stock and stock options exercised	2.6A	157A	Share repurchase program	(3.7)A	(836)A	Issuances of common stock for acquisition	Share-based compensation expenses	172A	Dividends paid to noncontrolling interest in subsidiary common stock	(6)A	Dividends declared	(544)A	ASU 2020-06 modified retrospective adoption	(10)10A	Balance as of December 31, 2021	168.5A	\$1,308A	(\$2,535)A	\$1,343A	\$15A	Net earnings	1,709A	5A	Other comprehensive loss	(5)A	Issuance of common stock and stock options exercised	1.8A	104A	Share repurchase program	(2.9)A	(808)A	Share-based compensation expenses	212A	Dividends paid to noncontrolling interest in subsidiary common stock	(5)A	Dividends declared	(604)A	Balance as of December 31, 2021	167.4A	\$1,624A	(\$2,540)A	\$1,640A	\$15A	Net earnings	1,577A	5A	Other comprehensive income	1A	Issuance of common stock and stock options exercised	1.8A	75A	Share repurchase program	(0.6)A	(244)A	Share-based compensation expenses	243A	Dividends paid to noncontrolling interest in subsidiary common stock	(4)A	Dividends declared	(673)A	Balance as of December 31, 2021	168.6A	\$1,942A	(\$2,539)A	2,300A	16A	See accompanying notes to consolidated financial statements.	62	Consolidated Statements of Cash Flows	5A	Years ended December 31 (In millions)	2024	2023	2022	Operating	Net earnings	\$1,582A	\$1,714A	\$1,367A	Adjustments to reconcile Net earnings to Net cash provided by operating activities: Depreciation and amortization	336A	356A	440A	Non-cash other charges	16A	14A	23A	Exit of video manufacturing operations	4A	24A	4A	Loss on ESN fixed asset impairment	4A	4A	147A	Share-based compensation expenses	243A	212A	172A	Gains on sales of investments and businesses, net	4A	3A	Losses from the extinguishment of long term debt	585A	4A	6A	Changes in assets and liabilities, net of effects of acquisitions, dispositions, and foreign currency translation adjustments: Accounts receivable	(246)A	(180)A	(112)A	Inventories	62A	200A	(242)A	Other current assets and contract assets	(213)A	(82)A	(1)A	Accounts payable, accrued liabilities, and contract liabilities	302A	(144)A	451A	Other assets and liabilities	(61)A	(38)A	(91)A	Deferred income taxes	(215)A	(32)A	(334)A	Net cash provided by operating activities	2,391A	2,044A	1,823A	Investing	Acquisitions and investments, net	(290)A	(180)A	(1,177)A	Proceeds from sales of investments	40A	19A	46A	Capital expenditures	(257)A	(253)A	(256)A	Net cash used for investing activities	(507)A	(414)A	(1,387)A	Financing	Net proceeds from issuance of debt	1,288A	4A	595A	Repayment of debt	(1,906)A	(1)A	(285)A	Issuances of common stock	75A	104A	156A	Purchases of common stock	(247)A	(804)A	(836)A	Payment of dividends	(654)A	(589)A	(530)A	Payment of dividends to noncontrolling interest	(4)A	(5)A	(6)A	Net cash used for financing activities	(1,448)A	(1,295)A	(906)A	Effect of exchange rate changes on cash and cash equivalents	(39)A	45A	(79)A	Net increase (decrease) in cash and cash equivalents	397A	380A	(549)A	Cash and cash equivalents, beginning of period	1,705A	1,325A	1,874A	Cash and cash equivalents, end of period	2,102A	1,705A	1,325A	Supplemental Cash Flow Information	5A	5A	Cash paid during the period for: Interest paid	\$253A	\$234A	\$226A	Income and withholding taxes, net of refunds	\$627A	\$587A	\$307A	See accompanying notes to consolidated financial statements.	63	Notes to Consolidated Financial Statements	(Dollars in millions, except as noted)	1A	5A	Summary of Significant Accounting Policies	Principles of Consolidation: The consolidated financial statements include the accounts of Motorola Solutions, Inc. (the "Company" or "Motorola Solutions") and all controlled subsidiaries. All intercompany transactions and balances have been eliminated. The consolidated financial statements as of December 31, 2024 and 2023 and for the years ended December 31, 2024, 2023 and 2022, include, in the opinion of management, all adjustments (consisting of normal recurring adjustments and reclassifications) necessary to present fairly the Company's consolidated financial position, results of operations, statements of comprehensive income, and statements of stockholders' equity and cash flows for all periods presented. Use of Estimates: The preparation of financial statements in conformity with United States ("U.S.") Generally Accepted Accounting Principles ("GAAP") requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates. Revenue Recognition: Net sales consist of a wide range of goods and services including the delivery of products, systems and system integration as well as offering software and service solutions. The Company recognizes revenue to reflect the transfer of control of promised goods or services to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services. The Products and Systems Integration segment is comprised of devices, systems, and systems integration for our Land Mobile Radio Communication ("LMR" or "LMR Communications") and Video Security and Access Control ("Video") technologies. Direct customers of the Products and Systems Integration segment are typically government, public safety agencies, procuring at state, local, and federal levels as well as large commercial customers with secure mission-critical needs. Indirect customers are defined as customers purchasing professional and commercial radios and video security, which are primarily sold through the Company's reseller partners to an end-customer base, composed of various industries where private communications systems and video security are used to secure operations and enable a mobile workforce. Contracts with the Company's customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our government customers, funded through appropriations. The Company records consideration from shipping and handling on a gross basis within Net sales. In limited instances where the Company is not the principal in the arrangement, the Company will recognize revenue on a net basis. LMR and Video devices include two-way portable and vehicle-mounted radios, video cameras and accessories. Devices are considered capable of being distinct and distinct within the context of the Company's contracts. Revenue is recognized upon the transfer of control of the devices to the customer at a point in time, typically consistent with delivery

under the applicable shipping terms. Devices are sold by both the direct sales force and through reseller partners. Revenue is generally recognized upon transfer of devices to reseller partners, rather than the end-customer, except for limited consignment arrangements. Provisions for returns and reseller discounts are made on a portfolio basis using historical data. The Products and Systems Integration segment includes both customized communications systems and video security solutions, including the integration of these networks with devices, software, and applications within both LMR and Video technologies. For systems contracts, revenue for the year ended December 31, 2024 was \$2.0A billion compared to \$1.9A billion for the year ended December 31, 2023 and \$1.8A billion for the year ended December 31, 2022. The communications systems include the aggregation of promises to the customer to provide i) a communications network core and central processing software, base stations, consoles, and repeaters or ii) a video security solution including video analytics, network video management hardware and software, and access control solutions. The individual promises within a communications network contract are not distinct in the context of the contract, as the Company provides a significant service of integrating and customizing the goods and services promised. The communications network represents a distinct performance obligation for which revenue is recognized over time, as the Company creates an asset with no alternative use and has an enforceable right to payment for work performed. The Company's revenue recognition over time is based on an input measure of costs incurred, which depicts the transfer of control to its customers under its contracts. Products and Systems Integration revenue for communications network systems is recognized over an average duration of approximately one to two years. Individual promises of the video security solution are capable of being distinct and distinct in the context of the contract. Video security solutions are traditionally sold through reseller partners, with contracts negotiated under fixed pricing. Revenue is recognized upon the transfer of control of the video solution to the reseller partners, typically upon shipment. The Software and Services segment provides solutions for government, public safety and commercial communications systems. Direct customers of the Software and Services segment are typically government, public safety and first-responder agencies and municipalities. Indirect customers are commercial customers who distribute our software solutions to a final end customer base. Contracts with our customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our direct customers, funded through government appropriations.64Software offerings primarily include Command Center and Video software and services which can be delivered either as an àœas-a-serviceàœ, on-premise, or hybrid solution. Solutions delivered as-a-service consist of a range of promises including hosted software, technical support and the right to unspecified future software enhancements. Software is not distinct from the hosting service since the customer does not have the right to take possession of the software at any time during the term of the arrangement. Solutions delivered as-a-service are recognized over time on a straight-line basis as a series of distinct services. On-premise and hybrid offerings generally consist of multiple promises primarily including software licenses and post-contract customer support. The promises are generally each distinct and distinct within the context of the contract as the customer benefits from each promise individually without any significant integration or interrelationship between the promises. On-premise software revenue is generally recognized at the point in time when the customer can benefit from the software which generally aligns with the beginning of the license period. Revenue for post-contract customer support is recognized over time as the customer simultaneously receives and consumes the services on a straight-line basis. In certain situations when the software license is not distinct within the context of the contract, revenue for the software license is recognized over time following the transfer of control under the arrangement. For hybrid arrangements, the on-premise software, cloud-based software, and implementation services are a single performance obligation, where in over time revenue recognition begins at the point of service activation when the customer can access the system and begin beneficial use. Services include a continuum of service offerings beginning with repair, technical support and maintenance. More advanced offerings include: monitoring, software updates and cybersecurity services. Managed service offerings range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. Services are provided across all technologies and are both distinct and capable of being distinct in the context of the contract, representing a series of recurring services that the Company stands ready to perform over the contract term. Since services contracts typically allow for customers to terminate for convenience or for non-appropriations of fiscal funding, the contract term is generally considered to be limited to a monthly or annual basis, subject to customer renewal. While contracts with customers are typically fixed fee, certain managed services contracts may be subject to variable consideration related to the achievement of service level agreement performance measurements. The Company has not historically paid significant penalties under service level agreements, and accordingly, it does not constrain its contract price. Certain contracts may also contain variable consideration driven by the number of users. Revenue is typically recognized on services over time as a series of services performed over the contract term on a straight-line basis. The Company enters into arrangements which generally consist of multiple promises to our customers. The Company evaluates whether the promised goods and services are distinct or a series of distinct goods or services. Where contracts contain multiple performance obligations, the Company allocates the total estimated consideration to each performance obligation based on applying an estimated selling price (àœESPàœ) as our best estimate of standalone selling price. We use list price as the standalone selling price for indirect sales sold through our channel partners. Given the unique nature of the goods and services we provide to direct customers, sufficient standalone sales of our products generally do not exist. Therefore, the Company determines ESP by: (i) collecting all reasonably available historical data points including sales, cost and margin analyses of the product or services, and other inputs based on its normal pricing and discounting practices, (ii) making any reasonably required adjustments to the data based on market and Company-specific factors, and (iii) stratifying the data points for similar customers and circumstances, when appropriate, based on major product or service, type of customer, geographic market, and sales volume. The Company accounts for certain system contracts without an alternative use on an over time basis, electing an input method of estimated costs as a measure of performance completed. The selection of costs incurred as a measure of progress aligns the transfer of control to the overall production of the customized system. For system contracts accounted for over time using estimated costs as a measure of performance completed, the Company relies on estimates around the total estimated costs to complete the contract ("Estimated Costs to Complete"). Estimated Costs to Complete include direct labor, material and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. The Company has a standard and disciplined process in which management reviews the progress and performance of open contracts in order to determine the best estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor cost, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. When estimates of total costs to be incurred on a contract exceed estimates of total revenue to be earned, a provision for the entire loss on the contract is recorded in the period in which the loss is determined. Cash Equivalents: The Company considers all highly-liquid investments purchased with an original maturity of three months or less to be cash equivalents. Restricted cash was \$3 million and \$2 million as of December 31, 2024 and December 31, 2023, respectively.65Investments: The Company generally invests in equity securities of a strategic nature. The Company applies the equity method of accounting for equity investments if the Company has significant influence over the issuing entity. The Company's share of the investee's underlying net income or loss is recorded to Other, net within Other income (expense). Equity securities with readily determinable fair values are carried at fair value with changes in fair value recorded in Other, net within Other income (expense). Equity securities without readily determinable fair values are carried at cost, less impairments, if any, and adjusted for observable price changes for the identical or a similar investment of the same issuer. The Company performs a qualitative impairment assessment to determine if such investments are impaired. The qualitative assessment considers all available information, including declines in the financial performance of the issuing entity, the issuing entity's operating environment, and general market conditions. Impairments of equity securities without readily determinable fair values are recorded to Other, net within Other income (expense). Inventories: Inventories are valued at the lower of cost (which approximates cost on a first-in, first-out basis) and net realizable value. Property, Plant and Equipment: Property, plant and equipment are stated at cost less accumulated depreciation. Depreciation is recorded on a straight-line basis, based on the estimated useful lives of the assets (leasehold improvements, one to twenty years; machinery and equipment, one to fifteen years) and commences once the assets are ready for their intended use. When certain events or changes in operating conditions occur, useful lives of the assets may be adjusted or an impairment assessment may be performed on the recoverability of the carrying value. Goodwill and Intangible Assets: Goodwill is assessed for impairment at least annually at the reporting unit level, or more frequently if events or circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying value level. The Company performs its annual assessment of goodwill for impairment as of the last day of the third quarter of each fiscal year, typically through a qualitative assessment. Indicators of impairment include: (i) macroeconomic conditions, (ii) industry and market conditions, (iii) cost factors, including product and selling, general and administrative costs, (iv) overall financial performance of the Company, (v) changes in share price, and (vi) other relevant company-specific events. If it is determined that it is more-likely-than-not that the fair value of the reporting unit is less than its carrying amount, the Company will perform a quantitative goodwill impairment test, which compares the fair value of the reporting unit to its carrying value. A quantitative assessment includes the assignment of assets and liabilities to each of the Company's reporting units and an assessment of the fair value of each of the Company's reporting units. The Company utilizes an income approach (discounted cash flows) to estimate the fair value of each reporting unit, which is corroborated by market multiples when available and as appropriate. Key assumptions in the quantitative analysis include revenue growth rates (including long-term growth rates for terminal value assumptions), operating margin estimates, discount rates, and where applicable, the comparable multiples from publicly traded companies in the Company's industry. If the carrying amount of a reporting unit exceeds its fair value, the Company would recognize an impairment loss in an amount equal to that excess, limited to the total amount of goodwill allocated to that reporting unit. Intangible assets are amortized on a straight line basis over their respective estimated useful lives ranging from one to twenty years. The Company has no intangible assets with indefinite useful lives. Leases: The Company leases certain office, factory and warehouse space, land and other equipment, principally under non-cancelable operating leases. The Company determines if an arrangement is a lease at inception of the contract. The Company's key considerations in determining whether a contract is or contains a lease include establishing whether the supplier has the ability to use other assets to fulfill its service or whether the terms of the agreement enable the Company to control the use of a dedicated asset during the contract term. In the majority of the Company's contracts where it must identify whether a lease is present, it is readily determinable that the Company controls the use of the assets and obtains substantially all of the economic benefit during the term of the contract. In those contracts where identification is not readily determinable, the Company has determined that the supplier has either the ability to use another asset to provide the service or the terms of the contract give the supplier the right to operate the asset at its discretion during the term of the contract. Right-of-use ("ROU") assets and operating lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at the commencement date. The Company's lease payments are typically fixed or contain fixed escalators. The Company has elected to not separate lease and non-lease components for all of its current lease categories and therefore, all consideration is included in lease payments. For the Company's leases consisting of land and other equipment (i.e. àœcommunications network sitesàœ), future payments are subject to variability due to changes in indices or rates. The Company values its ROU assets and lease liabilities based on the index or rate in effect at lease commencement. Future changes in the indices or rates are accounted for as variable lease costs. Other variable lease costs include items that are not fixed at lease commencement including property taxes, insurance, and operating charges that vary based on usage. ROU assets also include lease payments made in advance and are net of lease incentives. As the majority of the Company's leases do not provide an implicit rate, the Company uses its incremental borrowing rates based on the information available at the commencement date in determining the present value of future payments. The Company's incremental borrowing rates are based on the term of the lease, the economic environment of the lease, and the effect of collateralization.66The Company's lease terms range from one to twenty-one years and may include options to extend the lease by one to ten years or terminate the lease after the initial non-cancelable term. The Company does not include options in the determination of the lease term for the majority of leases as sufficient economic factors do not exist that would compel it to continue to use the underlying asset beyond the initial non-cancelable term. However, for the Company's communications network site leases that are necessary to provide services to customers under managed service arrangements, the Company includes options in the lease term to the extent of the customer contracts to which those leases relate. Impairment of Long-Lived Assets: Long-lived assets, which include intangible assets, held and used by the Company are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of assets may not be recoverable. The Company evaluates recoverability of assets to be held and used by comparing the carrying amount of an asset (group) to future net undiscounted cash flows to be generated by the asset (group). If an asset (group) is considered to be impaired, the impairment to be recognized is equal to the amount by which the carrying amount of the asset (group) exceeds the asset's (group's) fair value calculated using a discounted future cash flows analysis or market comparable analysis. Assets held for sale, if any, are reported at the lower of the carrying amount or fair value less cost to sell. Income Taxes: The Company records deferred income tax assets and liabilities based on the estimated future tax effects of differences between the financial and tax bases of assets and liabilities based on currently enacted tax laws. The Company's deferred and other tax balances are based on management's interpretation of the tax regulations and rulings in numerous tax jurisdictions. Income tax expenses and liabilities recognized by the Company also reflect its best estimates and assumptions regarding, among other things, the level of future taxable income, the effect of the Company's various tax planning strategies, and uncertain tax positions. Future tax authority rulings and changes in tax laws, changes in projected levels of taxable income, and future tax planning strategies could affect the actual effective tax rate and tax balances recorded by the Company. Long-Term Receivables: Long-term receivables include trade receivables where contractual terms of the note agreement are greater than one year. The Company estimates credit losses on accounts receivable based on historical losses and then takes into account estimates of current and future economic conditions. Long-term receivables are considered past due if payments have not been received according to the contractual terms of the note agreement, including principal and interest. Impaired long-term receivables are valued based on the present value of expected future cash flows discounted at the receivable's effective interest rate, or the fair value of the collateral if the receivable is collateral dependent. Interest income and late fees on impaired long-term receivables are recognized only when payments are received. Previously impaired long-term receivables are no longer considered impaired and are reclassified to performing when they have performed under restructuring for four consecutive quarters. Environmental Liabilities: The Company maintains a liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Comprehensive Environmental Response, Compensation and Liability Act (commonly known as the àœSuperfund Actàœ) incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. When the timing and amount of the future cash payments are fixed or reliably determinable, the Company discounts the future cash flows used in estimating the accrual using a risk-free treasury rate. The current portion of the estimated environmental liability is included in the Accrued liabilities statement line and the non-current portion is included in the Other liabilities statement line within the Company's Consolidated Balance Sheet. Foreign Currency: Certain non-U.S. operations within the Company use their respective local currency as their functional currency. Those operations that do not have the U.S. dollar as their functional currency translate assets and liabilities at current rates of exchange in effect at the balance sheet date and revenues and expenses using rates that approximate those in effect during the period. The resulting translation adjustments are included as a component of Accumulated other comprehensive income (loss) in the Company's Consolidated Balance Sheet. For those operations that have transactions denominated in local currency which differs from functional currency, transactions denominated in the local currency are measured in their functional currency using the current rates of exchange for monetary assets and liabilities and historical rates of exchange for nonmonetary assets. Gains and losses from remeasurement of monetary assets and liabilities are included in Other within Other income (expense) within the Company's Consolidated Statements of Operations. The Company uses financial instruments to reduce its overall exposure to the effects of currency fluctuations on cash flows. The Company's policy prohibits speculation in financial instruments for profit on exchange rate fluctuations, trading in currencies for which there are no underlying exposures, or entering into transactions for any currency to intentionally increase the underlying exposure. The Company's strategy related to foreign exchange exposure management is to offset the gains or losses on the financial instruments against gains or losses on the underlying operational cash flows, net investments or monetary assets and liabilities based on the Company's assessment of risk. The Company enters into derivative contracts for some of its non-functional currency cash, receivables, and payables, which are primarily denominated in major currencies that can be traded on open markets. The Company typically uses forward contracts

and options to hedge these currency exposures. In addition, the Company has entered into derivative contracts for some forecasted transactions or net investments in some of its overseas entities, which are designated as part of a hedging relationship if it is determined that the transaction qualifies for hedge accounting under the provisions of the authoritative accounting guidance for derivative instruments and hedging activities. A portion of the Company's exposure is from currencies that are not traded in liquid markets and these are addressed, to the extent reasonably possible, by managing net asset positions, product pricing and component sourcing.

Derivative Instruments: For Foreign exchange contracts, not designated as hedging instruments, gains and losses are recorded immediately in Other income (expense) within the Consolidated Statements of Operations. For Equity swap contracts, which do not qualify for hedge accounting, gains and losses are recorded immediately in Selling, general and administrative expenses within the Consolidated Statements of Operations. Gains and losses pertaining to instruments designated as net investment hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income. Components excluded from the assessment of hedge ineffectiveness in net investment hedges are included in Accumulated other comprehensive income at their initial value and amortized into Interest expense, net on a straight-line basis. Gains and losses pertaining to instruments designated as cash flow hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income. Fair Value Measurements: The Company holds certain fixed income securities, equity securities and derivatives, which are recognized and disclosed at fair value in the financial statements. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants as of the measurement date and is measured using the fair value hierarchy. This hierarchy prescribes valuation techniques based on whether the inputs to each measurement are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the Company's assumptions about current market conditions. The prescribed fair value hierarchy and related valuation methodologies are as follows:

Level 1 – Quoted prices for identical instruments in active markets.

Level 2 – Quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-derived valuations, in which all significant inputs are observable, in active markets.

Level 3 – Valuations derived from valuation techniques, in which one or more significant inputs are unobservable.

Earnings Per Share: The Company calculates its basic earnings per share based on the weighted-average number of common shares issued and outstanding. Net earnings attributable to Motorola Solutions, Inc. is divided by the weighted average common shares outstanding during the period to arrive at the basic earnings per share. Diluted earnings per share is calculated by dividing net earnings attributable to Motorola Solutions, by the sum of the weighted-average number of common shares used in the basic earnings per share calculation and the weighted-average number of common shares that would be issued assuming exercise or conversion of all potentially dilutive securities, excluding those securities that would be anti-dilutive to the earnings per share calculation. Both basic and diluted earnings per share amounts are calculated for net earnings attributable to Motorola Solutions for all periods presented.

Share-Based Compensation Costs: The Company grants share-based compensation awards and offers an employee stock purchase plan. The amount of compensation cost for these share-based awards is generally measured based on the fair value of the awards as of the date that the share-based awards are issued and adjusted to the estimated number of awards that are expected to vest. The fair values of stock options and stock appreciation rights are generally determined using a Black-Scholes option pricing model which incorporates assumptions about expected volatility, risk-free rate, dividend yield, and expected life. Performance-based stock options, performance stock units, and market stock units vest based on market conditions and are therefore measured under a Monte Carlo simulation in order to simulate a range of possible future unit prices for Motorola Solutions over the performance period. Compensation cost for share-based awards is recognized on a straight-line basis over the vesting period.

Defined Benefit Plans: The Company records annual expenses relating to its defined benefit plans based on calculations which include various actuarial assumptions, including discount rates, assumed asset rates of return, compensation increases, and turnover rates. The Company reviews its actuarial assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends. Under relevant accounting rules, when almost all of the plan participants are considered inactive, the amortization period for certain unrecognized gains and losses changes from the average remaining service period to the average remaining lifetime of the participants. As such, depending on the specific plan, the Company amortizes gains and losses over periods ranging from eight to twenty-five years. Prior service costs will be amortized over periods ranging from one to fifteen years. Benefits under all pension plans are valued based on the projected unit credit cost method. The Company utilizes a five-year, market-related asset value method of recognizing asset related gains and losses. The benefit obligation and plan assets for the Company's defined benefit plans are presented on a net basis according to the plans' net funded status and measured as of December 31, 2024.

Recent Acquisitions: On October 29, 2024, the Company acquired 3tc Software, a provider of control room software solutions for \$22.4 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4.4 million to certain key employees that will be expensed over a service period of one year. The acquisition expands the Company's critical experience and innovation focused on advancing computer-aided dispatch ("CAD") for the U.K.'s public safety agencies. This business is part of the Software and Services segment.

On July 1, 2024, the Company acquired Noggin, a global provider of critical event management ("CEM") software for \$9.1 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$1.9 million to certain key employees that will be expensed over a service period of three years. This acquisition enhances the Company's portfolio by adding operational resilience and CEM capabilities, which help enterprises and critical infrastructure anticipate, prepare for and efficiently respond to incidents. The business is part of the Software and Services segment.

On July 1, 2024, the Company acquired a company that provides vehicle location and management solutions for \$13.2 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$3.4 million to certain key employees that will be expensed over a service period of three years. The acquisition expands the Company's video solutions within the Software and Services segment.

On February 13, 2024, the Company acquired Silent Sentinel, a provider of specialized, long-range cameras, for \$3.7 million, net of cash acquired. This acquisition complements the Company's portfolio of fixed video cameras, expanding its footprint with government and critical infrastructure customers and strengthens the Company's position as a global leader in end-to-end video security solutions. The business is part of the Products and Systems Integration segment.

On December 15, 2023, the Company acquired IPVideo, the creator of the HALO Smart Sensor, for \$17.0 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$5.4 million to certain key employees that will be expensed over a service period of one year. The HALO Smart Sensor is a multifunctional safety and security device with built-in vape detection and air quality monitoring, gunshot detection, abnormal noise and motion detection and emergency keyword detection. This acquisition adds sensor technology to the Company's physical security portfolio. The business is a part of the Products and Systems Integration segment.

On December 14, 2022, the Company acquired Rave Mobile, a leader in mass notification and incident management, for \$55.3 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$2.4 million to certain key employees that will be expensed over a service period of two years. This acquisition complements the Company's portfolio with a platform specifically designed to help organizations and public safety agencies communicate and collaborate during emergencies. The business is a part of the Software and Services segment.

On October 25, 2022, the Company acquired Futurecom, a leading provider of radio coverage extension solutions for public safety agencies, for \$3.0 million, net of cash acquired. Futurecom designs and manufactures radio frequency repeaters. This acquisition further expands the Company's communications network and device portfolios. The business is a part of the Products and Systems Integration segment.

On August 8, 2022, the Company acquired Barrett Communications, a global provider of specialized radio communications, for \$1.8 million, net of cash acquired. This acquisition complements the Company's existing radio portfolio, allowing the Company to use high frequency and very high frequency radio communications to support mission-critical operations. The business is a part of the Products and Systems Integration segment.

On May 12, 2022, the Company acquired Videotec, a global provider of ruggedized video security solutions, for \$2.3 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4.4 million to certain key employees that will be expensed over a service period of one year. This acquisition extends the Company's breadth of high-performance video products, reinforcing the Company's strategy to be a global leader in video security solutions. The business is a part of the Products and Systems Integration segment.

On April 19, 2022, the Company acquired Calipsa, a technology leader in cloud-native advanced video analytics, for \$3.9 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4.4 million to certain key employees that will be expensed over a service period of two years. This acquisition extends the Company's intelligent analytics across video security solutions and supports the accelerating trend of enterprises using cloud technologies to enhance safety and security. The business is a part of the Software and Services segment.

On March 23, 2022, the Company acquired TETRA Ireland, the provider of Ireland's National Digital Radio Service, for \$12.0 million, net of cash acquired. The Company was an initial shareholder of TETRA Ireland and acquired the remaining interest in the entity from the other shareholders. This acquisition expands the Company's portfolio of delivering mission-critical voice and data communications solutions to first responders and frontline workers. The business is part of the Software and Services segment.

On March 3, 2022, the Company acquired Ava, a global provider of cloud-native video security and analytics, for \$38.8 million, net of cash acquired. In addition, the Company issued restricted stock and restricted stock units at a fair value of \$7.4 million to certain key employees that will be expensed over an average service period of two years. This acquisition expands the Company's portfolio of intelligent video solutions that help to enhance safety and streamline operations. The business is a part of both the Products and Systems Integration segment and the Software and Services segment.

Recent Accounting Pronouncements: In November 2024, the Financial Accounting Standards Board ("FASB") issued Accounting Standard Update ("ASU") No. 2024-03, "Disaggregation of Income Statement Expenses" (DISE), to enhance disclosures relating to key income statement expense topics. The ASU is effective for fiscal years beginning after December 15, 2026 and interim periods beginning in 2028, with early adoption permitted. The Company is still evaluating the complete impact of the adoption of this ASU on its disclosures. In December 2023, the FASB issued ASU No. 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which expands disclosures in an entity's income tax rate reconciliation table and disclosures regarding cash taxes paid both in the U.S. and foreign jurisdictions. This ASU is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company anticipates that it will have additional disclosures regarding cash taxes and the income tax rate reconciliation once it adopts this ASU. Recently Adopted Accounting Pronouncements: In November 2023, the FASB issued ASU No. 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," to update reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The Company adopted ASU No. 2023-07 for the year ended December 31, 2024 and applied the required retrospective transition method. Refer to "Note 13: Information by Segment and Geographic Region" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for the related disclosures.

2. **Revenue from Contracts with Customers** Disaggregation of Revenue The following table summarizes the disaggregation of our revenue by segment, geography, major product and service type and customer type for the years ended December 31, 2024, 2023 and 2022, consistent with the information reviewed by our chief operating decision maker, the chief executive officer, for evaluating the financial performance of reportable segments:

Years Ended	2024	2023	2022	(in millions)	Products and Systems Integration	Software and Services	Total		
Products and Systems Integration	\$5,097.4	\$2,723.4	\$7,820.4	\$4,507.4	\$2,425.4	\$6,932.4	\$4,286.4	\$2,088.4	\$6,374.4
International	1,786.4	1,211.4	2,997.4	1,735.4	1,311.4	3,046.4	1,442.4	1,296.4	2,738.4
\$6,883.4	\$3,934.4	\$10.81	\$6.2	\$6.2	\$6.2	\$6.2	\$6.2	\$6.2	\$6.2

Performance Obligations Remaining performance obligations represent the revenue that is expected to be recognized in future periods related to performance obligations that are unsatisfied, or partially unsatisfied, as of the end of a period. The transaction value associated with remaining performance obligations which were not yet satisfied as of December 31, 2024 was \$9.4 billion. A total of \$4.1 billion was from Products and Systems Integration performance obligations that were not yet satisfied, of which \$2.3 billion is expected to be recognized in the next twelve months. The remaining amounts will generally be satisfied over time as systems are implemented. Remaining performance obligations from the Products and Systems Integration segment are equal to disclosed backlog for the segment. A total of \$5.3 billion was from Software and Services performance obligations that were not yet satisfied as of December 31, 2024. The determination of Software and Services performance obligations that are not satisfied 70 takes into account a contract term that may be limited by the customer's ability to terminate for convenience. Where termination for convenience exists in the Company's services contracts, its disclosure of the remaining performance obligations that are unsatisfied assumes the contract term is limited until renewal. As a result, remaining performance obligations from the Software and Services segment may be less than disclosed backlog in the Software and Services segment due to multi-year service contracts with termination for convenience clauses. The Company expects to recognize \$1.8 billion from unsatisfied Software and Services performance obligations over the next twelve months, with the remaining performance obligations to be recognized over time as services are performed and software is implemented. In 2023, the Competition and Markets Authority (the "CMA") imposed a legal order on Airwave which implemented a prospective price control on Airwave (the "Charge Control"). Our remaining performance obligations for Airwave services contracted with the Home Office of the United Kingdom (the "Home Office") through December 31, 2026 was reduced by \$77.7 million and since August 1, 2023 our revenue under the Airwave contract has been recognized in accordance with the Charge Control. On March 13, 2024, the Company received notice of the contract extension (the "Deferred National Shutdown Notice") from the Home Office, recording additional remaining performance obligations of \$74.8 million in the Software and Services segment to reflect the incremental three-years of services.

Contract Balances December 31 (in millions) 2024 2023 2022 Accounts receivable, net \$1,952.4 \$1,710.4 \$1,518.4 Contract assets 1,230.4 1,102.4 974.4 Contract liabilities 2,072.4 2,037.4 1,859.4 Non-current contract liabilities 496.4 424.4 363.4 Payment terms on system contracts are typically tied to implementation milestones associated with progress on contracts, while revenue recognition is over time based on a cost-to-cost method of measuring performance. The Company may recognize a Contract asset or Contract liability, depending on whether revenue has been recognized in excess of billings or billings in excess of revenue. Services contracts are typically billed in advance, generating Contract liabilities until the Company has performed the services. The Company does not record a financing component to contracts when it expects, at contract inception, that the period between the transfer of a promised good or service and related payment terms are less than a year. Revenue recognized during the years ended December 31, 2024 and 2023 which was previously included in Contract liabilities as of January 1, 2024 and 2023, respectively, was \$1.3 billion, compared to \$1.1 billion of revenue recognized during the year ended December 31, 2022 which was previously included in Contract liabilities as of January 1, 2022. Revenue of \$2.8 million was reversed during the year ended December 31, 2024 related to performance obligations satisfied, or partially satisfied, in previous periods, primarily driven by changes in the estimates of progress on system contracts, compared to \$3.7 million during the year ended December 31, 2023 and \$2.6 million during the year ended December 31, 2022. There have been no material expected credit losses recognized on contract assets during the year ended December 31, 2024.

Contract Cost Balances December 31 (in millions) 2024 2023 2022 Current contract cost assets \$70.4 \$56.4 \$61.4 Non-current contract cost assets 141.4 119.4 130.4 Contract cost assets include incremental costs to obtain a contract, primarily related to the Company's sales incentive plans, and certain costs to fulfill contracts. Contract cost assets are amortized into expense over a period that follows the passage of control to the customer over time. Incremental costs to obtain a contract with the Company's sales incentive plans are accounted for under a portfolio approach, with amortization ranging from one year to eight years to approximate the recognition of revenues over time. Where incremental costs to obtain a contract will be recognized in one year or less, the Company applies a practical expedient around expensing amounts as incurred. Amortization of contract cost assets was \$51.4 million for the year ended December 31, 2024, compared to \$61.4 million as of the year ended December 31, 2023 and \$62.4 million as of the year ended December 31, 2022.

71. **Leases** The Company leases certain office, factory and warehouse space, land and other equipment under various operating leases. Components of Lease Expense (in millions) December 31, 2024 December 31, 2023 December 31, 2022 Lease expense: Operating lease cost \$140.4 \$140.4 \$130.4 Short-term lease cost 1.4 1.4 1.4 Variable cost 4.4 3.4 3.4 Sublease income (5) (5) (5) Net lease expense from operating leases \$183.4 \$172.4 \$159.4 Operating Lease Assets and Liabilities (in millions) Statement Line Classification December 31, 2024 December 31, 2023 Right-of-use lease assets Operating lease assets \$529.4 \$495.4 Current lease liabilities Accrued liabilities 127.4 125.4 Operating lease liabilities Operating lease liabilities 427.4 407.4 Other Information Related to Leases (in millions) December 31, 2024 December 31, 2023 December 31, 2022 Supplemental cash flow information: Net cash used for operating activities related to operating leases \$152.4 \$147.4 \$145.4 Right-of-use assets obtained in exchange for lease

assets\$150A \$98A \$221A During the year ended December 31, 2024, the Company recorded \$80 million of assets obtained in exchange for lease liabilities due to an assumption that it is reasonably certain that renewal options will be extended on its radio tower site leases operated within the Airwave radio network, consistent with the Home Office's notice of contract extension pursuant to their Deferred National Shutdown Notice through December 31, 2029. In addition, assets obtained in exchange for liabilities during the year ended December 31, 2024 included \$24A million of additional leases due to the renewal of a large managed services contract due to an assumption that it is reasonably certain that renewal options will be extended on the associated radio tower site leases. The Company recorded \$19A million of assets obtained in exchange for lease liabilities related to the ten year renewal of an International region office. During the year ended December 31, 2023, the Company included \$66A million of additional leases due to renewals of three large managed service contracts due to an assumption that it is reasonably certain that renewal options will be extended on the associated radio tower site leases. December 31, 2024 December 31, 2023 Weighted average remaining lease terms (years) 55 Weighted average discount rate 3.97A % 4.34A % 72 Future Lease Payments December 31 (in millions) Amount 2025 \$ 146A 2026 128A 2027 109A 2028 84A 2029 63A Thereafter 83A Total lease payments \$ 613A Less: Interest 59A Present value of operating lease liabilities \$ 554A 4.A A A Other Financial Data Statement of Operations Information Other Charges (Income) Other charges (income) included in Operating earnings consist of the following: Years ended December 31 (in millions) 2024 2023 2022 Other charges (income): Intangibles amortization (Note 15) \$ 152A 177A 257A Reorganization of businesses (Note 14) 26A 22A 18A Legal settlements 77A 4A 23A Fixed asset impairments 2A 3A 12A Environmental reserve expense 2A 15A 6A Exit of video manufacturing operations 6A 24A 6A Operating lease asset impairments 6A 6A 24A Acquisition-related transaction fees 20A 7A 23A Gain on Hytera litigation (61) 6A (15) Other 1A (1) (3A) 155A 257A \$ 339A During the year ended December 31, 2024, the Company recognized a gain on the Hytera litigation of \$61A million for amounts recovered through legal proceedings due to theft of the Company's trade secrets. Refer to "Hytera Civil Litigation" within "Note 12: Commitments and Contingencies" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for further discussion regarding the Hytera litigation. During the year ended December 31, 2023, the Company revised the estimate for its liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Superfund Act incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. During the year ended December 31, 2023, the Company became aware of incremental costs required in its remediation of the Superfund site. As such, the Company recorded a charge of \$15A million, increasing the reserve balance to \$127A million. The Company discounted the cash flows used in estimating this accrual using a risk-free treasury rate. As of December 31, 2024, the current portion of the estimated environmental liability is \$9A million and is included in the Accrued liabilities statement line and the non-current portion is \$119A million and is included in the "Other liabilities" statement line within the Company's Consolidated Balance Sheets. During the year ended December 31, 2023, the Company entered into an arrangement to sell its Richmond, British Columbia and Richardson, Texas video manufacturing operations, including the machinery and equipment, inventory, transfer of employees and related facility lease to a contract manufacturer. During the year ended December 31, 2023, the Company presented the assets and liabilities as held for sale in its Consolidated Balance Sheets and recognized an impairment loss of \$24A million on the exit of these video manufacturing operations within Other charges in the Consolidated Statements of Operations, as the carrying value of the asset group was below the expected selling price. The transaction closed on February 1, 2024 resulting in a gain on the sale of these video manufacturing operations, which was de minimis. 73 Other Income (Expense) Interest expense, net, and Other both included in Other income (expense) consist of the following: A Years ended December 31 (in millions) 2024 2023 2022 Interest expense, net: Interest expense \$ (295) \$ (249) \$ (240) Interest income 68A 33A 14A (227) \$ (216) \$ (226) Other, net: Net periodic pension and postretirement benefit (Note 8) \$ 132A \$ 99A \$ 123A Loss from the extinguishment of long-term debt (Note 5) (585) 6A (6) Investment impairments (3) (16) (1) Foreign currency gain (loss) 2A (53) 37A Gain (loss) on derivative instruments (Note 6) (19) 20A (61) Loss on equity method investments 6A 6A 6A Fair value adjustments to equity investments (5) 13A (30) Gain on TETRA Ireland equity method investment 6A 6A 21A Assessments on uncertain tax positions (Note 7) (11) 6A 6A Other 6A 5A (3A) (489) 68A 77A Earnings Per Common Share Basic and diluted earnings per common share from net earnings attributable to Motorola Solutions, Inc. are computed as follows: A Amounts attributable to Motorola Solutions, Inc. common stockholders A Net Earnings Years ended December 31 2024 2023 2022 Basic earnings per common share: Earnings \$ 1,779A \$ 1,709A \$ 1,363A Weighted average common shares outstanding 166.8A 167.0A 167.5A Per share amount \$ 9.45A \$ 10.23A \$ 8.14A Diluted earnings per common share: Earnings \$ 1,577A \$ 1,709A \$ 1,363A Weighted average common shares outstanding 166.8A 167.0A 167.5A Add effect of dilutive securities: Share-based awards 4.0A 3.7A 1.75A senior convertible notes 6A 1.5A 0.7A Diluted weighted average common shares outstanding 170.8A 172.1A 171.9A Per share amount \$ 9.23A \$ 9.93A \$ 7.93A 74 In 2022 and 2023, the Company had \$1.0A billion of 1.75% senior convertible notes outstanding (the 6A Silver Lake Convertible Debt). The notes were convertible based on a rate of 4.9670 per \$1,000 principal amount as of December 31, 2023 (equal to a conversion price of \$201.33 per share), adjusted for dividends declared through the date of settlement. In 2021, the Company's Board of Directors approved an irrevocable determination requiring the future settlement of the Silver Lake Convertible Debt to be in cash. Because the Company irrevocably decided to settle the principal amount of the Silver Lake Convertible Debt in cash, the Company did not reflect any shares underlying the Silver Lake Convertible Debt in its diluted weighted average shares outstanding until the average stock price per share for the period exceeded the conversion price. For the years ended December 31, 2022 and December 31, 2023, the Company included the number of shares that would be issuable upon conversion in the Company's computation of diluted earnings per share, based on the amount by which the average stock price exceeded the conversion price. In 2024, the Company repurchased the \$1.0A billion aggregate principal amount of the Silver Lake Convertible Debt for aggregate consideration of \$1.59A billion in cash, inclusive of the conversion premium, recognizing a loss on the extinguishment of \$585A million. Accordingly, in the computation of diluted earnings per common share for the year ended December 31, 2024, a total of 0.2A million shares related to the Silver Lake Convertible Debt were excluded from the computation of diluted earnings per common share because their inclusion would have been antidilutive. Refer to "Note 5: Debt and Credit Facilities" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for more information regarding the repurchase. In the computation of diluted earnings per common share for the year ended December 31, 2024, the assumed exercise of 0.1 million options were excluded because their inclusion would have been antidilutive. In the computation of diluted earnings per common share for the year ended December 31, 2023, the assumed exercise of 0.3 million options, including 0.2 million subject to market-based contingent option agreements, were excluded because their inclusion would have been antidilutive. In the computation of diluted earnings per common share for the year ended December 31, 2022, the assumed exercise of 0.3 million options, including 0.1A million subject to market-based contingent option agreements, were excluded because their inclusion would have been antidilutive. Balance Sheet Information Accounts Receivable, Net Accounts receivable, net, consists of the following: A December 31 2024 2023 2022 Accounts receivable \$ 2,035A \$ 1,779A Less allowance for credit losses (83) (69) A 1,952A 1,710A Inventories, Net Inventories, net, consist of the following: A December 31 2024 2023 2022 Finished goods \$ 396A \$ 328A Work-in-process and production materials 498A 640A 894A Less inventory reserves (128) (141) A 766A 827A Other Current Assets Other current assets consist of the following: December 31 2024 2023 2022 Current contract cost assets (Note 2) \$ 70A \$ 56A Contractor receivables 44A 40A Tax-related deposits (Note 7) 54A 32A Other 261A 229A A 429A 357A Property, Plant and Equipment, Net Property, plant and equipment, net, consist of the following: A 75 December 31 2024 2023 2022 Land \$ 5A \$ 5A Leasehold improvements 441A 448A Machinery and equipment 2,243A 2,396A 2,689A 2,849A Less accumulated depreciation (1,667) (1,885) A 1,022A 964A Depreciation expense for the years ended December 31, 2024, 2023, and 2022 was \$184 million, \$179 million and \$183 million, respectively. Investments Investments consist of the following: December 31 2024 2023 2022 Common stock \$ 23A 28A Strategic investments, at cost 26A 28A Company-owned life insurance policies 75A 74A Equity method investments 11A 13A A 135A 143A Other Assets Other assets consist of the following: A December 31 2024 2023 2022 Defined benefit plan assets (Note 8) \$ 162A \$ 98A Non-current contract cost assets (Note 2) 141A 119A Other 72A 57A A 375A 274A Accounts Payable The Company utilizes a supplier finance program that provides suppliers with the ability to accelerate payment on the Company's invoices beyond the stated payment terms. Under the terms of this program, the Company agrees to pay an intermediary the stated amount of confirmed invoices on the stated maturity dates of the invoices, and the supplier is able to negotiate earlier payment terms with the intermediary. The Company or the intermediary may terminate the agreement at any time upon 60 days' notice. The Company does not provide any forms of guarantees under this arrangement. Supplier participation in the program is solely at the supplier's discretion, and the participating suppliers negotiate their arrangements directly with the intermediary. The Company has no economic interest in a supplier's decision to participate in the program, and their participation has no bearing on our payment terms or amounts due. The stated invoice payment terms range from 75 to 120 days from the invoice date and are considered commercially reasonable. The Company's outstanding amounts related to the suppliers participating in this program was \$38A million and \$35A million as of December 31, 2024 and December 31, 2023, respectively. Supplier finance program obligations are classified as Accounts payable within the Consolidated Balance Sheets. The following table displays a rollforward of the confirmed amount of supplier finance obligations from January 1, 2023 to December 31, 2024: (in millions) 2024 2023 Confirmed obligations at the beginning of the year \$ 35A 37A Invoices confirmed during the year 139A 114A Confirmed invoices paid during the year (136) (116) Confirmed obligations outstanding at the end of the year \$ 38A 35A 76 Accrued Liabilities Accrued liabilities consist of the following: A December 31 2024 2023 2022 Compensation \$ 406A 407A Tax liabilities (Note 7) 217A 231A Dividend payable 182A 163A Trade liabilities 160A 140A Operating lease liabilities (Note 3) 127A 125A Customer reserves 97A 89A Other 454A 349A A 1,643A 1,504A Other Liabilities Other liabilities consist of the following: A December 31 2024 2023 2022 Defined benefit plans (Note 8) \$ 768A \$ 939A Non-current contract liabilities (Note 2) 496A 424A Unrecognized tax benefits (Note 7) 39A 26A Deferred income taxes (Note 7) 87A 55A Environmental Reserve 119A 119A Deferred compensation 89A 70A Other 121A 108A A 1,719A 1,741A Stockholders' Equity Information Share Repurchase Program: Through a series of actions, the Board of Directors has authorized the Company to repurchase in the aggregate up to \$1.8 billion of its outstanding shares of common stock (the 6A share repurchase program). The share repurchase program does not have an expiration date. As of December 31, 2024, the Company had used approximately \$1.8 billion of the share repurchase authority to repurchase shares, leaving approximately \$2.2 billion of authority available for future repurchases. During the year ended December 31, 2024, the Company paid \$3A million of 1% excise tax pursuant to the Inflation Reduction Act of 2022, related to its 2023 share repurchases in excess of issuances. The Company's share repurchases for 2024, 2023, and 2022 can be summarized as follows: Year Shares Repurchased (in millions) Average Price Amount (in millions) 2024 0.6A \$ 396.69A 244.20 2023 0.9A 278.56A 804.40 2022 3.7A 225.00A 836A Payment of Dividends: A On November 14, 2024, the Company announced that its Board of Directors approved an increase in the quarterly cash dividend from \$0.98 per share of common stock to \$1.09 per share of common stock. During the years ended December 31, 2024, 2023, and 2022 the Company paid \$654 million, \$589 million, and \$530 million, respectively

Company at December31, 2024 and 2023:Á Fair Values of Derivative InstrumentsDecember 31, 2024Other Current AssetsAccrued LiabilitiesDerivatives designated as hedging instruments:Foreign exchange contracts\$7Á \$â€"Á Derivatives not designated as hedging instruments:Foreign exchange contracts3Á \$9Á Equity swap contracts\$â€"Á \$1Á Total derivatives\$10Á \$10Á Á 80Á Fair Values of Derivative InstrumentsDecember 31, 2023Other Current AssetsAccrued LiabilitiesDerivatives designated as hedging instruments:Foreign exchange contracts\$1Á \$3Á Treasury rate lockÁ Á 12Á Derivatives not designated as hedging instruments:Foreign exchange contracts12Á Equity swap contracts1â€"Á Á Total derivatives\$14Á \$16Á The following table summarizes the effect of derivatives on the Company's consolidated financial statements for the years ended December31, 2024, 2023 and 2022:Á Financial Statement Location202420232022Derivatives designated as hedging instruments:Foreign exchange contractsAccumulated other comprehensive income (loss)\$9Á \$(4)\$12Á Forward points recognizedOther income (expense)2Á 3Á 2Á Treasury rate lock settlementAccumulated other comprehensive income (loss)4Á (12)â€"Á Á Amortization of treasury rate lockOther income (expense) (1)â€"Á Á â€"Á Derivatives not designated as hedging instruments:Foreign exchange contractsOtherÁ incomeÁ expense)\$ (19)\$20Á \$(61)Equity swap contractsSelling, general and administrative expenses3Á 1Á â€"Á Á Net Investment HedgesThe Company uses foreign exchange forward contracts to hedge against the effect of the British pound and the Euro exchange rate fluctuations against the U.S. dollar on a portion of its net investment in certain European operations. The Company recognizes changes in the fair value of the net investment hedges as a component of foreign currency translation adjustments within Other comprehensive income to offset a portion of the change in translated value of the net investments being hedged, until the investments are sold or liquidated. As of December31, 2024, the Company had âˆ100 million of net investment hedges in certain Euro functional subsidiaries and Á£50 million of net investment hedges in certain British pound functional subsidiaries.The Company excludes the difference between the spot rate and the forward rate of the forward contract from its assessment of hedge effectiveness. The effect of the forward points recognized is amortized on a straight line basis and recognized through interest expense within Other income (expense) in the Consolidated Statement of Operations.Equity Swap ContractsThe Company uses equity swap contracts which serve as economic hedges against volatility within the equity markets, impacting the Company's deferred compensation plan obligations. These contracts are not designated as hedges for accounting purposes. Unrealized gains and losses on these contracts are included in Selling, general and administrative expenses in the Consolidated Statements of Operations. The notional amount of these contracts as of December31, 2024 was \$19Á million.Treasury Rate LockIn 2023, the Company entered into treasury rate lock agreements which locked in the interest rate for \$200Á million in future debt issuances. The treasury rate lock agreements were designated and qualified as cash flow hedges. During the year ended December31, 2024, the Company issued \$900Á million of 5.4% senior notes due 2034 (the "2034 notes"). The treasury rate lock agreements were terminated upon the issuance of the 2034 notes for a net settlement loss of \$8Á million. The accumulated loss recorded in Accumulated Other Comprehensive Income (AOCI) will be reclassified to Interest expense, net on a straight-line basis over the 10-year term of the 2034 notes. 817. Á Á Á Á Income TaxesComponents of Income Tax ExpenseComponents of earnings before income taxes are as follows:Years ended December 31202420232022United States\$1,705Á \$1,744Á \$1,312Á Other nations267Á 402Á 203Á Á \$1,972Á \$2,146Á \$1,515Á Components of income tax expense are as follows:Years ended December 31202420232022United States Federal\$434Á \$269Á \$240Á Other nations38Á 125Á 159Á States (U.S.)133Á 70Á 83Á Current income tax expense605Á 464Á 482Á United States Federal(221)(30)(179)Other nations40Á (9)(118)States (U.S.)(34)(7Á (37)Deferred income tax benefit(215)(32)(33Á Total income tax expense\$390Á \$432Á \$148Á Differences between income tax expense computed at the U.S. federal statutory tax rate of 21% and income tax expense as reflected in the Consolidated Statements of Operations are as follows:Years ended December 31202420232022Income tax expense at statutory rate\$414Á 21.0Á %\$450Á 21.0Á %\$318Á 21.0Á %State income taxes, net of federal benefit66Á 3.3Á %71Á 3.3Á %76Á 5.0Á %Non-U.S. tax expense on non-U.S. earnings24Á 1.2Á %15Á 0.7Á %1Á 0.1Á %U.S. tax expense (benefit) on undistributed non-U.S. earnings(27)(1.4)%44)(2.1)%43)(2.8)%IP reorganization(17)(8.7)%â€"Á Á â€"Á % (77) (5.1)%Extinguishment of Silver Lake convertible debt148Á 7.5Á %â€"Á Á â€"Á Á â€"Á Á %Stock compensation(45)(2.3)%33)(1.5)%68)(4.5)%Valuation allowances5Á 0.3Á %13)(0.6)%51) (3.4)%Research credits(24)(1.2)%19)(0.9)%16)(1.1)%Reserve for uncertain tax positions(6)(0.3)%3)(0.1)%6)(0.4)%Other tax expense (benefit)6Á 0.3Á %8Á 0.4Á %14Á 0.9Á %Á \$390Á 19.8Á %\$432Á 20.1Á %\$148Á 9.8Á %The effective tax rate for 2024 was below the current U.S. federal statutory rate of 21% primarily due to the tax benefit recognized upon the Company's decision to implement a business initiative in 2024 which allows for additional utilization of foreign tax credit carryforwards and a higher federal derived intangible income deduction on its 2023 U.S. tax return, the recognition of excess tax benefits on share-based compensation, the 2024 estimated foreign derived intangible income deduction, and generation of research and development credits, partially offset by the non-tax deductible loss on the extinguishment of the Silver Lake Convertible Debt and 2024 estimated U.S. state income taxes.In 2021, the Organization of Economic Cooperation and Development ("OECD") introduced its Pillar Two Framework Model Rules ("Pillar 2"), that was supported by over 130 countries worldwide, which is designed to impose a 15% global minimum tax on adjusted financial results. Certain aspects of Pillar 2 took effect on January 1, 2024, while other aspects go into effect on January 1, 2025. The Company continues to evaluate the potential impact of Pillar 2 on its business, as the countries in which it operates continue to enact legislation implementing Pillar 2. While many aspects of the application of Pillar 2 continue to be clarified, Pillar 2 did not materially impact the Company's 2024 tax liability, and is not expected to have a material impact in future years.82Deferred tax balances that were recorded within Accumulated other comprehensive loss in the Companyâ€"s Consolidated Balance Sheet, rather than Income tax expense, are the result of retirement benefit adjustments and currency translation adjustments. The adjustments were charges of \$16 million for the year ended December31, 2024, benefits of \$14 million for the year ended December31, 2023, and charges of \$2 million for the year ended December31, 2022. The Company evaluates its permanent reinvestment assertions with respect to foreign earnings at each reporting period and generally, except for certain earnings that the Company intends to reinvest indefinitely due to the capital requirements of the foreign subsidiaries or due to local country restrictions, accrues for the U.S. federal and foreign income tax applicable to the earnings. As a result of the 2017 U.S. Tax Cuts and Jobs Act ("the Tax Act"), dividends from foreign subsidiaries are now exempt or the earnings have been previously subject to U.S. tax. As a result, the tax accrual for undistributed foreign earnings is limited primarily to foreign withholding taxes and tax on inherent capital gains that would result from distribution of foreign earnings which are not permanently reinvested, and such earnings may be distributed without an additional charge.Undistributed foreign earnings that the Company intends to reinvest indefinitely amounted to, in the aggregate, \$2.0 billion at December31, 2024. It is impracticable to determine the exact amount of unrecognized deferred tax liabilities on such earnings; however, due to the above-mentioned changes made under the Tax Act, the Company believes that the additional U.S. or foreign income tax charge with respect to such earnings, if distributed, would be immaterial.Gross deferred tax assets were \$2.4 billion and \$2.1 billion for December31, 2024 and December31, 2023, respectively. Deferred tax assets, net of valuation allowances, were \$2.4 billion and \$2.0 billion at December31, 2024 and December31, 2023, respectively. Gross deferred tax liabilities were \$1.2 billion and \$1.0 billion at December31, 2024 and December31, 2023, respectively. Significant components of deferred tax assets (liabilities) are as follows:Á December 3120242023Inventory\$30Á \$30Á Accrued liabilities and allowances87Á 77Á Employee benefits221Á 270Á Capitalized items391Á 146Á Tax basis differences on investments2Á 4Á Depreciation tax basis differences on fixed assets(31)(2)Undistributed non-U.S. earnings(23)(28)Tax attribute carryforwards98Á 115Á Business reorganization7Á 9Á Warranty and customer liabilities24Á 22Á Deferred revenue and costs420Á 406Á Valuation allowances(62)(63)Operating lease assets(128)(120)Operating lease liabilities134Á 129Á Other24Á 10Á Á \$1,194Á \$1,005Á At December31, 2024 and December31, 2023, the Company had valuation allowances of \$62 million and \$63 million, respectively, against its deferred tax assets, including \$42 million and \$44 million, respectively, relating to deferred tax assets for non-U.S. subsidiaries. The Companyâ€"s U.S. valuation allowance increased \$1Á million during 2024 primarily due to a capital loss generated in 2024 for which the Company does not have sufficient capital gains in the carryback period nor for which it expects to generate sufficient capital gains in the near future. The Company's Non-U.S. valuation allowance decreased \$2Á million during 2024 primarily due to the expiration of tax attributes. The Company believes that the remaining deferred tax assets are more-likely-than-not to be realizable based on estimates of future taxable income and the implementation of tax planning strategies. 83Tax attribute carryforwards are as follows:Á December 31, 2024GrossTax LossTaxEffectExpiryPeriodUnited States:U.S. tax losses\$127Á \$27Á 2025-2037General business creditsâ€"Á 1Á 2030-2036State tax lossesâ€"Á 8Á 2027-2044State tax creditsâ€"Á 3Á 2025-2043Non-U.S. subsidiaries:United Kingdom tax losses143Á 36Á UnlimitedCanada tax losses17Á 5Á 2034-2044Canada tax creditsâ€"Á 5Á 2038-2044Other subsidiaries tax losses66Á 13Á VariousÁ Á \$98Á Á The Company had unrecognized tax benefits of \$42 million and \$32 million at December31, 2024 and December31, 2023, respectively, of which approximately \$40 million and \$27 million, if recognized, would have affected the effective tax rate for 2024 and 2023, respectively. A roll-forward of unrecognized tax benefits is as follows:Á (in millions)20242023Balance at January1\$32Á \$35Á Additions based on tax positions related to current year1Á 1Á Additions for tax positions of prior years18Á 1Á Reductions for tax positions (1)(1)Settlements and agreements(5)â€"Á Á Lapse of statute of limitations(3)(4)Balance at December31\$42Á \$32Á The Company recorded \$39 million and \$26 million of unrecognized tax benefits in Other liabilities at December31, 2024 and December31, 2023, respectively.The Company has several U.S. state and non-U.S. audits pending. A summary of open tax years by major jurisdiction is presented below:Á JurisdictionTax YearsUnited States2021-2024Australia2020-2024Canada2020-2024Germany2018-2024India1997-2024Israel1997-2024Poland2019-2024Malaysia2017-2024United Kingdom2022-2024Although the final resolution of the Companyâ€"s global tax disputes is uncertain, based on current information, in the opinion of the Companyâ€"s management, the ultimate disposition of these matters will not have a material adverse effect on the Companyâ€"s consolidated financial position or liquidity. However, an unfavorable resolution of the Companyâ€"s global tax disputes could have a material adverse effect on the Companyâ€"s results of operations in the periods, and as of the dates, on which the matters are ultimately resolved.Based on the potential outcome of the Companyâ€"s global tax examinations, the expiration of the statute of limitations for specific jurisdictions, or the continued ability to satisfy tax incentive obligations, it is reasonably possible that the unrecognized tax benefits will change within the next twelveÁ months. The associated net tax impact on the effective tax rate, exclusive of valuation allowance changes, is estimated to be up to a \$9 million tax benefit.84At December31, 2024, the Company had \$30 million accrued for interest and \$23 million accrued for penalties on unrecognized tax benefits. At December31, 2023, the Company had \$23 million and \$12 million accrued for interest and penalties, respectively, on unrecognized tax benefits. The Company's policy is to classify the interest and penalty as a component of interest expense and other expense, respectively.8Á Á Á Retirement BenefitsPension and Postretirement Health Care Benefits Plans U.S. Pension Benefit PlansThe Companyâ€"s non-contributory U.S. defined benefit plans (the "U.S. Pension Plans") provide benefits to U.S. employees hired prior to January 1, 2005, who became eligible after one year of service. The Company also has an additional non-contributory supplemental retirement benefit plan, the Motorola Supplemental Pension Plan ("MSPP"), which provided supplemental benefits to individuals by replacing benefits that are lost by such individuals under the retirement formula due to application of the limitations imposed by the Internal Revenue Code. In December 2008, the Company amended the U.S. Pension Plans and MSPP (together the "U.S. Pension Benefit Plans") such that, effective MarchÁ 1, 2009; (i)Á no participant shall accrue any benefit or additional benefit on or after MarchÁ 1, 2009, and (ii)Á no compensation increases earned by a participant on or after MarchÁ 1, 2009 shall be used to compute any accrued benefit. Postretirement Health Care Benefits PlanCertain health care benefits are available to eligible domestic employees hired prior to January 1, 2002 and meeting certain age and service requirements upon termination of employment or retirement eligibility (the ÁPostretirement Health Care Benefits PlanÁ). As of JanuaryÁ 1, 2005, the Postretirement Health Care Benefits Plan was closed to new participants. After a series of amendments, all eligible retirees under the age of 65 are provided an annual subsidy per household, versus per individual, toward the purchase of their own health care coverage from private insurance companies and for the reimbursement of eligible health care expenses. All eligible retirees over the age of 65 are entitled to one fixed-rate subsidy capped at \$560 per participant.Non-U.S. Pension Benefit PlansThe Company also provides defined benefit plans which cover non-U.S. employees in certain jurisdictions, principally the U.K. and Germany (the ÁNon-U.S. Pension Benefit PlansÁ). Other pension plans outside of the U.S. are not material to the Company either individually or in the aggregate.In June 2015, the Company amended its non-U.S. defined benefit plan within the United Kingdom by closing future benefit accruals to all participants effective December 31, 2015. Net Periodic Cost (Benefit)The net periodic cost (benefit) for pension and Postretirement Health Care Benefits plans was as follows:U.S. Pension Benefit PlansNon-U.S. Pension Benefit PlansPostretirement Health Care Benefits PlansYears ended December 31202420232022202420232022Service cost\$â€"Á \$â€"Á \$â€"Á Á \$1Á \$1Á \$1Á \$1Á \$1Á \$1Á Interest cost189Á 190Á 128Á 57Á 56Á 29Á 4Á 5Á 2Á Expected return on plan assets(298)(293)(254)(104)(108)(93)(13)(13)(12)Amortization of:Unrecognized net loss25Á 22Á 62Á 6Á 37Á 14Á 3Á 2Á 4Á Unrecognized prior service benefitâ€"Á Á â€"Á Á â€"Á (3)(2)(2)3Á 3Á 4Á Net periodic cost (benefit)\$(84)\$(81)\$(64)\$(43)\$(16)\$(51)\$(3)(3)\$(6)85The status of the Companyâ€"s plans is as follows:Á Á Á U.S. Pension Benefit PlansNon-U.S. Pension Benefit PlansPostretirement Health Care Benefits PlansÁ 202420232022202420232022Change in benefit obligation:Benefit obligation at January1\$3,928Á \$3,809Á \$1,347Á \$1,207Á \$96Á \$103Á Service costÁ Á Á Á Á Interest cost189Á 190Á 57Á 56Á 4Á 5Á Plan amendmentsâ€"Á Á â€"Á Á â€"Á Á Actuarial loss (gain)(220)59Á (156)62Á 17Á 2Á Foreign exchange valuation adjustmentâ€"Á Á â€"Á Á (32)66Á â€"Á Á Á Á Benefit payments(142)(130) (54)(45)(12)(14)Benefit obligation at December31\$3,755Á \$3,928Á \$1,163Á \$1,347Á \$105Á \$96Á Change in plan assets:Fair value at January1\$3,273Á \$3,076Á \$1,172Á \$1,092Á \$134Á \$134Á Return on plan assets112Á 324Á (23)56Á 6Á 14Á Company contributions6Á 3Á 9Á 9Á Á Á Á Á Foreign exchange valuation adjustmentâ€"Á Á â€"Á (21)60Á â€"Á Á Á Á Benefit payments(142)(130)(54)(45)(12)(14)Fair value at December 31 \$3,249Á \$3,273Á \$1,083Á \$1,172Á \$128Á \$134Á Funded status of the plan\$(506)\$(655)\$(80)\$(175)23Á 38Á Unrecognized net loss1,635Á 1,695Á 796Á 829Á 88Á 68Á Unrecognized prior service benefit (cost)â€"Á Á â€"Á Á (64)(67)41Á 44Á Prepaid pension cost\$1,129Á \$1,040Á \$652Á \$587Á \$152Á \$150Á Components of prepaid (accrued) pension cost:Current benefit liability\$(3)(2)\$â€"Á Á \$â€"Á Á \$â€"Á Á Non-current benefit liability(503) (653)(194)(210)â€"Á Á â€"Á Á Non-current benefit assetâ€"Á Á â€"Á Á 114Á 35Á 23Á 38Á Deferred income taxes388Á 403Á 95Á 102Á 35Á 31Á Accumulated other comprehensive loss1,247Á 1,292Á 637Á 660Á 94Á 81Á Prepaid pension cost\$1,129Á \$1,040Á \$652Á \$587Á \$152Á \$150Á For the year ended December31, 2024, the primary driver of the decrease in the U.S. Pension Benefit Plans' benefit obligation was higher actuarial gains due to a increase in the discount rate from 5.01% as of December31, 2023 to 5.70% as of December31, 2024, partially offset by actuarial losses in the benefit obligation due to updated lump-sum interest rates and demographic assumption changes. For the year ended December31, 2023, the primary driver of the increase in the U.S. Pension Benefit Plans' benefit obligation was higher actuarial losses due to an decrease in the discount rate from 5.20% as of December31, 2022 to 5.01% as of December31, 2023, partially offset by actuarial gains in the benefit obligation due to updated lump-sum interest rates and mortality.For the year ended December31, 2024, the most significant drivers of the decrease in Non-U.S. Pension Benefit Plans' benefit obligation were the higher actuarial gains coupled with favorable foreign exchange effects. The Non-U.S. Pension Benefit Plans incurred actuarial gains primarily due to an increase in the discount rate from 4.30% as of December31, 2023 to 5.07% as of December31, 2024. For the year ended December31, 2023, the most significant drivers of the increase in Non-U.S. Pension Benefit Plans' benefit obligation were the higher actuarial losses coupled with unfavorable foreign exchange effects. The Non-U.S. Pension Benefit Plans incurred actuarial losses primarily due to a decrease in the discount rate from 4.60% as of December31, 2022 to 4.30% as of December31, 2023.86Actuarial AssumptionsCertain actuarial assumptions such as the discount rate and the long-term rate of return on plan assets have a significant effect on the amounts reported for net periodic cost and the benefit obligation. The assumed discount rates reflect the prevailing market rates of a universe of high-quality, non-callable, corporate bonds currently available that, if the obligation were settled at the measurement date, would provide the necessary future cash flows to pay the benefit obligation when due. The long-term rates of return on plan assets represent an estimate of long-term returns on an investment portfolio consisting of a mixture of equities, fixed income, cash and other investments similar to the actual investment mix. In determining the long-term return on plan assets, the Company considers long-term rates of return on the asset classes (both historical and forecasted) in which the Company expects the plan funds to be invested. The Company uses a full yield curve approach to estimate interest and service cost components of net periodic cost (benefit) for defined benefit pension and other post-retirement benefit plans. The full yield curve approach requires the application of the specific spot rate along the yield curve used in the determination of the projected benefit obligation to the relevant projected cash flows.The Company used "Mortality Improvement Scale MP-2021" to calculate both the 2024 U.S. projected benefit obligations and the 2023 U.S. projected benefit obligations.Weighted average actuarial assumptions used to determine costs for the plans at the beginning of the fiscal year were as follows:Á U.S. Pension Benefit PlansNon-U.S. Pension Benefit PlansPostretirement Health Care Benefits Plan202420232022202420232022Discount rate4.90Á %5.09Á %4.27Á %4.68Á %4.89Á %5.05Á %Investment return assumption7.74Á %7.87Á %5.84Á %6.18Á %6.830Á %6.80Á %Weighted average actuarial assumptions used to determine benefit obligations for the plans were as follows:Á Á U.S. Pension

Benefit PlansNon-U.S. Pension Benefit PlansPostretirement Health Care Benefits Plan2024202320242023Discount rate5.70Å %5.01Å %5.07Å %4.30Å %5.49Å %4.92Å %Future compensation increase rate/an/a0.67Å %0.67Å %/an/aThe following table presents the accumulated benefit obligation, projected benefit obligation and fair value of plan assets for our plans that have an accumulated benefit obligation and projected benefit obligation in excess of plan assets:Å U.S. Pension Benefit PlansNon U.S. Pension Benefit PlansDecember 312024202320242023Accumulated benefit obligation\$3,755Å \$3,928Å \$1,162Å \$1,346Å Projected benefit obligation3,755Å 3,928Å 1,163Å 1,347Å Fair value of plan assets3,249Å 3,273Å 1,083Å 1,172Å Investment PolicyThe individual plans have adopted an investment policy designed to meet or exceed the expected rate of return on plan assets assumption. To achieve this, the plans retain professional advisors and investment managers that invest plan assets into various classes including, but not limited to: equity and fixed income securities, cash, cash equivalents, hedge funds, infrastructure/utilities, insurance contracts, leveraged loan funds and real estate. The Company uses long-term historical actual return experience with consideration of the expected investment mix of the plans' assets, as well as future estimates of long-term investment returns, to develop its expected rate of return assumption used in calculating the net periodic cost. The individual plans have target mixes for these asset classes, which are readjusted periodically when an asset class weighting deviates from the target mix, with the goal of achieving the required return at a reasonable risk level.87The weighted-average asset allocations by asset categories for all pension plans and the Postretirement Health Care Benefits Plan were as follows:Å All Pension Benefit PlansPostretirement Health Care Benefits PlanDecember 312024202320242023Target Mix:Equity securities23Å %26Å %25Å %Fixed income securities61Å %56Å %57Å %51Å %Cash and other investments16Å %18Å %18Å %21Å %Actual Mix:Equity securities22Å %26Å %24Å %28Å %Fixed income securities60Å %56Å %56Å %52Å %Cash and other investments18Å %18Å %20Å %20Å %Within the equity securities asset class, the investment policy provides for investments in a broad range of publicly-traded securities including both domestic and foreign equities. Within the fixed income securities asset class, the investment policy provides for investments in a broad range of publicly-traded debt securities including: U.S. treasury issues, corporate debt securities, mortgage and asset-backed securities, as well as foreign debt securities. In the cash and other investments asset class, investments may include, but are not limited to: cash, cash equivalents, commodities, hedge funds, infrastructure/utilities, insurance contracts, leveraged loan funds and real estate.Cash FundingThe Company made \$6 million and \$3 million of contributions to its U.S. Pension Benefit Plans during 2024 and 2023, respectively. The Company contributed \$9 million and \$9 million to its Non U.S. Pension Benefit Plans during 2024 and 2023, respectively. The Company made no contributions to its Postretirement Health Care Benefits Plan in 2024 or 2023.Expected Future Benefit PaymentsThe following benefit payments are expected to be paid:Å YearU.S. Pension Benefit PlansNon-U.S. Pension Benefit PlansPostretirement Health Care Benefits Plan2025\$117.2Å \$54.4Å \$14.4Å 2026189.5Å 55.1Å 14.4Å 2027206.6Å 57.1Å 13.1Å 2028224.6Å 58.1Å 12.1Å 2029241.4Å 59.1Å 11.1Å 2030203.41,365.3Å 306.4Å 41.1Å Other Benefit PlansSplit-Dollar Life Insurance ArrangementsThe Company maintains a number of endorsement split-dollar life insurance policies on now-retired officers under a frozen plan. The Company had purchased the life insurance policies to insure the lives of employees and then entered into a separate agreement with the employees that split the policy benefits between the Company and the employee. Motorola Solutions owns the policies, controls all rights of ownership, and may terminate the insurance policies. To effect the split-dollar arrangement, Motorola Solutions endorsed a portion of the death benefits to the employee and upon the death of the employee, the employee's beneficiary typically receives the designated portion of the death benefits directly from the insurance company and the Company receives the remainder of the death benefits. It is currently expected that minimal cash payments will be required to fund these policies.The net periodic pension cost for these split-dollar life insurance arrangements was \$3 million for the year ended December 31, 2024, and \$5 million for each of the years ended December 31, 2023 and 2022. The Company has recorded a liability representing the actuarial present value of the future death benefits as of the employees' expected retirement date of \$46 million and \$52 million as of December 31, 2024 and December 31, 2023, respectively.88Deferred Compensation PlanThe Company maintains a deferred compensation plan (the "Plan") for certain eligible participants. Under the Plan, participants may elect to defer base salary and cash incentive compensation in excess of 401(k) plan limitations. Participants under the Plan may choose to invest their deferred amounts in the same investment alternatives available under the 401(k) plan (as defined below). The Plan also allows for Company matching contributions for the following: (i) the first 4% of compensation deferred under the Plan, subject to a maximum of \$50,000 for officers elected by the board of directors of the Company, (ii) lost matching amounts that would have been made under the 401(k) plan if participants had not participated in the Plan, and (iii) discretionary amounts as approved by the Compensation and Leadership Committee of the board of directors. Defined Contribution PlanThe Company has various defined contribution plans, in which all eligible employees may participate. In the U.S., the Motorola Solutions 401(k) plan (the "401(k) plan") is a contributory plan. Matching contributions are based upon the amount of the employees' contributions. The Company's expenses for material defined contribution plans for the years ended December 31, 2024, 2023 and 2022 were \$53 million, \$45 million and \$43 million, respectively. Under the 401(k) plan, the Company may make an additional discretionary matching contribution to eligible employees. For the years ended December 31, 2024, 2023, and 2022 the Company made no discretionary contributions.9.Å Å Å Share-Based Compensation and Other Incentive PlansThe Company grants options and stock appreciation rights to acquire shares of common stock to certain employees and to existing option holders of acquired companies in connection with the merging of option plans following an acquisition. Each option and stock appreciation right granted has an exercise price of no less than 100% of the fair market value of the common stock on the date of the grant. The awards have a contractual life of five to ten years and vest over two to three years. In conjunction with a change in control, stock options and stock appreciation rights assumed or replaced with comparable stock options or stock appreciation rights only become exercisable if the holder is also involuntarily terminated (for a reason other than cause) or resigns for good reason within 24 months of a change in control.Restricted stock grants consist of shares or the rights to shares of the Company's common stock which are awarded to certain employees. The grants are restricted in such that they are subject to vesting conditions; however, restricted stock holders have voting rights, and the rights to earn dividends on unvested shares.Restricted stock unit ("RSU") grants consist of shares or the rights to shares of the Company's common stock which are awarded to certain employees and non-employee directors. The grants are restricted such that they are subject to substantial risk of forfeiture and to restrictions on their sale or other transfer by the employee. In conjunction with a change in control, shares of RSUs assumed or replaced with comparable shares of RSUs will only have the restrictions lapse if the holder is also involuntarily terminated (for a reason other than cause) or resigns for good reason within 24 months of a change in control.Performance-based stock options ("performance options"), market stock units ("MSUs"), and performance stock units ("PSUs") have been granted to certain Company executive officers. Performance options have a three-year performance period and are granted as a target number of units subject to adjustment based on company performance. Each performance option granted has an exercise price of no less than 100% of the fair market value of the common stock on the date of the grant. The awards have a contractual life of ten years. Shares ultimately issued for performance option awards granted are based on the actual total shareholder return ("TSR") compared to the S&P 500 over the three-year performance period based on a payout factor that corresponds to actual TSR results as established at the date of grant. Vesting occurs on the third anniversary of the grant date. Under the terms of the MSUs, vesting is conditioned upon continuous employment until the vesting date and the payout factor is at least 60% of the share price on the award date. The payout factor is the share price on vesting date divided by share price on award date, with a maximum of 200%. The share price used in the payout factor is calculated using an average of the closing prices on the grant or vesting date, and the 30 calendar days immediately preceding the grant or vesting date. Vesting occurs ratably over three years. PSUs have been granted as a portion of the Long Range Incentive Plan ("LRIP") awards issued to certain Company executive officers. The PSUs have a three-year performance period and were granted at a target number of units subject to adjustment based on company performance. The number of PSUs earned will be based on the actual TSR compared to the S&P 500 over the three-year performance period.The employee stock purchase plan allows eligible participants to purchase shares of the Company's common stock through payroll deductions of up to 20% of eligible compensation on an after-tax basis. Plan participants cannot purchase more than \$25,000 of stock in any calendar year. The price an employee pays per share is 85% of the lower of the fair market value of the Company's stock on the close of the first trading day or last trading day of the purchase period. The plan has two purchase periods, the first from October 1 through March 31 and the second from April 1 through September 30. For each of the years ended December 31, 2024, 2023 and 2022, employees purchased 0.4 million shares, at purchase prices of \$231.98 and \$300.55 in 2024, \$194.62 and \$231.40 in 2023, and \$199.16 and \$190.37 in 2022.89Significant Assumptions Used in the Estimate of Fair ValueThe Company calculates the value of each employee stock option, estimated on the date of grant, using the Black-Scholes option pricing model. The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was \$92.20, \$73.04 and \$67.18, respectively, using the following weighted-average assumptions:202420232022Expected volatility21.4Å %24.4Å %29.2Å %Risk-free interest rate4.3Å %4.2Å %2.6Å %Dividend yield1.4Å %1.6Å %1.9Å %Expected life (years)5.95,96.6The Company calculates the value of each performance option, MSU, and PSU using a Monte Carlo simulation option pricing model, estimated on the date of grant. The fair values of performance options, MSUs, and PSUs granted during 2024 were \$141.51, \$396.90 and \$515.85, respectively. The fair values of performance options, MSUs, and PSUs granted during 2023 were \$122.55, \$299.32 and \$348.27, respectively. The fair value of performance options, MSUs and PSUs granted during 2022 was \$84.73, \$244.13 and \$249.51, respectively. The following assumptions were used for the calculations.202420232022Performance OptionsPerformance OptionsExpected volatility of common stock21.7Å %25.1Å %29.7Å %Expected volatility of the S&P 50030.5Å %33.3Å %39.2Å %Risk-free interest rate4.3Å %4.1Å %2.0Å %Dividend yield1.4Å %1.7Å %2.0Å %Expected life (years)6.56,56.5202420232022Market Stock UnitMarket Stock UnitsExpected volatility of common stock21.7Å %25.1Å %29.7Å %Risk-free interest rate4.4Å %4.5Å %1.9Å %Dividend yield1.3Å %1.5Å %1.6Å %202420232022Performance Stock UnitsPerformance Stock UnitsExpected volatility of common stock21.7Å %25.1Å %29.7Å %Expected volatility of the S&P 50030.8Å %33.3Å %39.2Å %Risk-free interest rate4.3Å %4.6Å %1.8Å %Dividend yield1.1Å %1.4Å %1.6Å %The Company uses the implied volatility for traded options on the Company's stock as the expected volatility assumption in the valuation of stock options, performance options, MSUs, and PSUs. The selection of the implied volatility approach was based upon the availability of actively-traded options on the Company's stock and the Company's assessment that implied volatility is more representative of future stock price trends than historical volatility. At the conclusion of each three-year PSU and performance option cycle, the Company uses the historical volatility as the expected volatility to calculate the actual TSR compared to the S&P 500. The risk-free interest rate assumption is based upon the average daily closing rates during the year for U.S. treasury notes that have a life which approximates the expected life of the grant. The dividend yield assumption is based on the Company's future expectation of dividend payouts. The expected life represents the average of the contractual term of the options and the weighted average vesting period for all option tranches.The Company has applied forfeiture rates, estimated based on historical data, of 10% to the stock option fair values calculated by the Black-Scholes option pricing model and 15% to RSUs. These estimated forfeiture rates are applied to grants based on their remaining vesting term and may be revised in subsequent periods if actual forfeitures differ from these estimates.90The following table summarizes information about the total stock options outstanding and exercisable under all stock option plans, at December 31, 2024 (in thousands, except exercise price and years):Å Options OutstandingOptions ExercisableExercise price rangeNo. of optionsWtd. Avg. Exercise PriceWtd. Avg. Contractual Life (in Å yrs.)No. of optionsWtd. Avg. Exercise PriceWtd. Avg. Contractual Life (in Å yrs.)\$1-\$100713Å \$77.4Å 2713Å \$77.4Å \$101-\$200866Å 148Å 5866Å 148Å \$201-\$300430Å 244Å 890Å 239Å \$301-\$400200Å 342Å 95Å 334Å \$401 and over13Å 482Å 94Å \$4.8Å 8Å 2,222Å Å 1,674Å Å As of December 31, 2024, the weighted average contractual life for options outstanding and exercisable was five and four years, respectively.Current Year ActivityTotal share-based compensation activity was as follows (in thousands, except exercise price):Å Stock OptionsRestricted Stock UnitsRestricted StockNo. of Options OutstandingWtd. Avg. Exercise Price of SharesNo. of Non-Vested AwardsWtd. Avg. Grant Date Fair ValueNo. of Non-Vested AwardsWtd. Avg. Grant Date Fair ValueBalance as of January 1, 2024566Å \$191.1Å 1,342Å \$224.85Å \$244.4Å Granted106Å 360Å 582Å 340Å 65Å 397Å Releases/Exercised(175)175Å (60)1225Å (85)244Å Forfeited/Canceled(6)314Å (48)268Å Å Å Å Balance as of December 31, 2024491Å \$230.1Å 1,275Å \$275.65Å \$397.4Å Awards exercisable275Å 174Å Å Å Å Å Å Performance OptionsMarket Stock UnitsPerformance Stock UnitsNo. of Options OutstandingWtd. Avg. Exercise Price of SharesNo. of Non-Vested AwardsWtd. Avg. Grant Date Fair ValueNo. of Non-Vested AwardsWtd. Avg. Grant Date Fair ValueBalance as of January 1, 20241,798Å \$122.4Å 89Å \$254.1Å 213Å \$264.4Å Granted104Å 343Å 37Å 397Å 132Å 514Å Releases/Exercised(316)101Å (69)230Å (147)335Å Adjustment for payout factor147Å 179Å 23Å 179Å 74Å 321Å Forfeited/Canceled(21)79Å (1)185Å (8)316Å Balance as of December 31, 20241,731Å \$144.9Å 131Å \$144.9Å 79Å \$331.2Å 264Å \$407.4Å Awards exercisable1,399Å 113Å Å Å Å Å Å At December 31, 2024 and 2023, 6.0 million and 7.2 million shares, respectively, were available for future share-based award grants under the current share-based compensation plan, covering all equity awards to employees and non-employee directors.91Total Share-Based Compensation ExpenseCompensation expense for the Company's share-based compensation plans was as follows:Å Years ended December 31202420232022Share-based compensation expense included in:Costs of sales\$48Å \$40Å \$28Å Selling, general and administrative expenses132Å 116Å 98Å Research and development expenditures63Å 56Å 46Å Share-based compensation expense included in Operating earnings243Å 212Å 172Å Tax benefit51Å 43Å 34Å Share-based compensation expense, net of tax192Å \$169.1Å \$138Å Decrease in basic earnings per share\$(1.15)\$(1.01)\$(0.82)Decrease in diluted earnings per share\$(1.12)\$(0.98)\$(0.80)At December 31, 2024, the Company had unrecognized compensation expense related to all share based awards of \$431 million, net of estimated forfeitures, expected to be recognized over the weighted average period of approximately three years and \$5 million of unrecognized compensation expense related to the employee stock purchase plan that will be recognized over the remaining purchase period. The aggregate fair value of outstanding share based awards as of December 31, 2024 was \$629 million. Cash received from stock option exercises and the employee stock purchase plan was \$75 million, \$104 million, and \$156 million for the years ended December 31, 2024, 2023, and 2022, respectively. The total intrinsic value of options exercised during the years ended December 31, 2024, 2023, and 2022 was \$164 million, \$152 million, and \$292 million, respectively. The aggregate intrinsic value for options outstanding and exercisable as of December 31, 2024 was \$664 million and \$567 million, respectively, based on a December 31, 2024 stock price of \$462.23 per share.Motorola Solutions Incentive PlansThe Company's incentive plans provide eligible employees with an annual payment, calculated as a percentage of an employee's eligible earnings, in the year after the close of the current calendar year if specified business goals and individual performance targets are met. The expense for awards under these incentive plans for the years ended December 31, 2024, 2023 and 2022 was \$218 million, \$205 million and \$165 million, respectively.Long-Range Incentive PlanThe LRIP rewards elected officers for the Company's achievement of specified business goals during the period, based on a single performance objective measured over a three-year period. There were no LRIP awards with cash settlement terms for the years ended December 31, 2024 and 2023. The expense for LRIP awards with cash settlement terms was \$4 million for the year ended December 31, 2022, 10. Å Å Å Fair Value MeasurementsInvestments and DerivativesThe fair values of the Company's financial assets and liabilities by level in the fair value hierarchy as of December 31, 2024 and December 31, 2023 were as follows:Å December 31, 2024Level 1Level 2TotalAssets:Foreign exchange derivative contracts\$Å \$10Å \$10Å Common stock and equivalents23Å Å \$23Å Liabilities:Foreign exchange derivative contracts\$Å \$9Å \$9Å Equity swap contracts1Å Å \$1Å 92December 31, 2023Level 1Level 2TotalAssets:Foreign exchange derivative contracts\$Å \$4Å \$4Å Treasury rate lock\$Å 12Å 12Å Pension and Postretirement Health Care Benefits Plan AssetsThe fair values of the various pension and postretirement health care benefits plans' assets by level in the fair value hierarchy as of December 31, 2024 and 2023 were as follows:U.S. Pension Benefit PlansDecember 31, 2024Level 1Level 2Level 3TotalEquities\$23Å \$4Å \$4Å \$23Å Commingled funds1,039Å 404Å Å \$1,443Å Government fixed income securitiesÅ \$239Å Å \$239Å Corporate fixed income securitiesÅ \$905Å Å \$905Å Short-term investment funds258Å Å Å \$258Å Private assetsÅ Å Å \$203Å 203Å Total investment securities1,320Å \$1,548Å \$203Å \$3,071Å Accrued income receivable162Å Cash16Å Fair value plan assets\$3,249Å The following table summarizes the changes in fair value of the Level 3 assets:2024Fair value at January 1, 2024\$157Å Actual return on plan assets22Å Purchases24Å Fair value at December 31, 2024\$203Å December 31, 2023Level 1Level 2Level 3TotalEquities\$27Å \$Å \$Å \$27Å Commingled funds1,230Å 479Å Å \$1,709Å Government fixed income securitiesÅ \$192Å Å \$192Å Corporate fixed income securitiesÅ \$894Å Å \$894Å Short-term investment funds253Å 41Å Å \$253Å Private AssetsÅ Å \$157Å 157Å Total investment securities\$1,510Å \$1,565Å \$157Å \$3,232Å Accrued income receivable23Å Cash18Å Fair value plan assetsÅ \$3,273Å 93Non-U.S. Pension Benefit PlansDecember 31, 2024Level 1Level 2TotalEquities\$3Å \$53Å Commingled funds236Å 35Å 271Å Government fixed income securitiesÅ \$615Å 615Å Short-term investment funds56Å Å \$56Å Total investment securities\$345Å \$650Å \$995Å Cash4Å Accrued income receivable42Å Insurance contracts42Å Fair value

plan assets\$1,083\$ December 31, 2023Level1Level2TotalEquities\$60\$ \$4\$ \$60\$ Commingled funds289\$321\$ Government fixed income securities\$6\$ \$663\$ 663\$ Short-term investment funds60\$ \$60\$ Total investment securities\$409\$ \$695\$ \$1,104\$ Cash\$5\$ Accrued income receivable16\$ Insurance contracts47\$ Fair value plan assets\$4,1,172\$ Postretirement Health Care Benefits Plan\$ December 31, 2024Level1Level2Level3TotalEquities\$1\$ \$1\$ \$1\$ \$1\$ Commingled funds40\$ 16\$ \$6\$ Government fixed income securities\$1\$ 10\$ \$1\$ 10\$ Corporate fixed income securities\$1\$ 37\$ \$1\$ 37\$ Short-term investment funds10\$ \$1\$ \$1\$ Private funds\$1\$ \$1\$ 8\$ 8\$ Total investment securities\$51\$ 63\$ 8\$ 122\$ Accrued income receivable6\$ Fair value plan assets\$128\$ The following table summarizes the changes in fair value of the Level 3 assets:2024Fair value at January 1, 2024\$7\$ Purchases1\$ Fair value at December 31, 2024\$8\$ 94December 31, 2023Level1Level2Level3TotalEquities\$1\$ \$1\$ \$1\$ \$1\$ Commingled funds49\$ 20\$ \$1\$ 69\$ Government fixed income securities\$1\$ 8\$ \$1\$ 8\$ Corporate fixed income securities\$1\$ 38\$ \$1\$ 38\$ Short-term investment funds10\$ \$1\$ \$1\$ 10\$ Private funds\$1\$ \$1\$ 7\$ Total investment securities\$60\$ 66\$ 7\$ 133\$ Accrued income receivable1\$ Fair value plan assets\$134\$ The following is a description of the categories of investments:Equities\$1\$ A diversified portfolio of corporate common and preferred stocks.Commingled funds\$1\$ A diversified portfolio of assets that includes corporate common and preferred stocks, emerging market and high-yield fixed income securities among others.Government fixed income securities\$1\$ Securities issued by municipal, domestic and foreign government agencies, index-linked government bonds as well as interest rate derivatives.Corporate fixed income securities\$1\$ A diversified portfolio of primarily investment grade bonds issued by corporations.Short-term investment funds\$1\$ Investments in money market accounts and derivatives with a liquidity of less than 90 days.Private funds\$1\$ A diversified portfolio of assets that includes private equity funds and private loans.Level 1 investments include securities which are valued at the closing price reported on the active market in which the individual securities are traded. Level 2 investments consist principally of securities which are valued using independent third party pricing sources. Level 3 investments include securities with valuations derived from valuation techniques, in which one or more significant inputs are unobservable. A variety of inputs are utilized by the independent pricing sources including market based inputs, binding quotes, indicative quotes, and ongoing redemption and subscription activity. Inputs may be weighted differently for any security, and not all inputs are used for each security evaluation.At December\$31, 2024, the Company had \$1.2 billion of investments in money market government and U.S. treasury funds (Level 1) classified as Cash and cash equivalents in its Consolidated Balance Sheet, compared to \$863 million at December\$31, 2023. The money market funds had quoted market prices that are approximately at par.Using quoted market prices and market interest rates, the Company determined that the fair value of long-term debt at December\$31, 2024 was \$5.8\$ billion. The fair value of long-term debt at December\$31, 2023 was \$6.4\$ billion, of which the Senior Convertible Notes were \$1.6\$ billion (Level 2). Since considerable judgment is required in interpreting market information, the fair value of the long-term debt is not necessarily indicative of the amount which could be realized in a current market exchange. Refer to "Note 5: Debt and Credit Facilities" to our consolidated financial statements in this \$2\$Part II. Item 8. Financial Statements and Supplementary Data\$2\$ of this Form 10-K for a further discussion of the Senior Convertible Notes.All other financial instruments are carried at cost, which is not materially different from the instruments'\$1\$ fair values.11.\$1\$ \$1\$ \$1\$ Long-term Financing and Sales of ReceivablesLong-term FinancingLong-term receivables consist of receivables with payment terms greater than twelve months, long-term loans and lease receivables under sales-type leases. Long-term receivables consist of the following:December 31, 20242023Long-term receivables, gross\$65\$ 36\$ Less allowance for losses(2)(2)Long-term receivables\$63\$ 34\$ Less current portion(22)(13)Non-current long-term receivables\$41\$ 21\$ The current portion of long-term receivables is included in Accounts receivable, net and the non-current portion of long-term receivables is included in Other assets in the Company'\$1\$ Consolidated Balance Sheet. The Company recognized \$1 million in interest income on long-term receivables for the year ended December\$31, 2024, compared to no interest income for the year ended December\$31, 2023 and \$1\$ million for the year ended December\$31, 2022. 95Certain purchasers of the Company's products and services may request that the Company provide long-term financing (defined as financing with a term greater than one year) in connection with the sale of products and services. These requests may include all or a portion of the purchase price of the products and services. The Company's obligation to provide long-term financing may be conditioned on the issuance of a letter of credit in favor of the Company by a reputable bank to support the purchaser's credit or a pre-existing commitment from a reputable bank to purchase the long-term receivables from the Company. The Company had outstanding commitments to provide long-term financing to third-parties totaling \$105 million at December\$31, 2024 and \$103 million at December\$31, 2023. Sales of ReceivablesFrom time to time, the Company sells accounts receivable and long-term receivables to third-parties under one-time arrangements. The following table summarizes the proceeds received from sales of accounts receivable and long-term receivables for the years ended December\$31, 2024, 2023 and 2022.\$1\$ Years ended December 31202420232022Contract-specific discounting facilities\$1\$ \$1\$ \$49\$ Accounts receivable sales proceeds15\$ 96\$ 179\$ Long-term receivables sales proceeds205\$ 182\$ 204\$ Total proceeds from receivable sales\$220\$ 278\$ 432\$ The Company may or may not retain the obligation to service the sold accounts receivable and long-term receivables.At December\$31, 2024, the Company had retained servicing obligations for \$794 million of long-term receivables, compared to \$813 million of long-term receivables at December\$31, 2023. Servicing obligations are limited to collection activities of sold accounts receivables and long-term receivables.Credit Quality of Long-Term Receivables and Allowance for Credit LossesAn aging analysis\$1\$ financing\$1\$ receivables\$1\$ at\$1\$ December\$31, 2024\$1\$ and December\$31, 2023\$1\$ is\$1\$ as\$1\$ follows:\$1\$ December 31, 2024TotalLong-termReceivableCurrent\$1\$ BilledDuePast Due Under 90 DaysPast Due Over 90 DaysMunicipal leases secured tax exempt\$31\$ 2\$ 1\$ 1\$ Commercial loans and leases secured34\$ 3\$ 1\$ 1\$ Long-term receivables, including current portions\$65\$ 5\$ 1\$ 1\$ 2\$ December 31, 2023TotalLong-termReceivableCurrent\$1\$ BilledDuePast Due Under 90 DaysPast Due Over 90 DaysMunicipal leases secured tax exempt\$15\$ 1\$ 1\$ 1\$ Commercial loans and leases secured21\$ 1\$ 1\$ 1\$ Long-term receivables, including current portion\$36\$ 2\$ 1\$ 1\$ 2\$ The Company uses an internally developed credit risk rating system for establishing customer credit limits. This system is aligned with and comparable to the rating systems utilized by independent rating agencies.12.\$1\$ \$1\$ \$1\$ Commitments and ContingenciesPurchase ObligationsDuring the normal course of business, in order to manage manufacturing lead times and help ensure adequate component supply, the Company enters into agreements with contract manufacturers and suppliers that either allow it to procure inventory based upon criteria as defined by the Company or establish the parameters defining the Company'\$1\$ requirements. In addition, we have entered into software license agreements which are firm commitments and are not cancellable. As of December\$31, 2024, the Company had entered into firm, non-cancelable, and unconditional commitments under such arrangements through 2030. The Company expects to make total payments of \$713 million under these arrangements as follows: \$151 million in 2025, \$159 million in 2026, \$159 million in 2027, \$130 million in 2028, \$112 million in 2029 and \$2 million thereafter.96Legal MattersHytera Civil LitigationOn March 14, 2017, the Company filed a complaint in the U.S. District Court for the Northern District of Illinois (the "District Court") against Hytera Communications Corporation Limited of Shenzhen, China; Hytera America, Inc.; and Hytera Communications America (West), Inc. (collectively, "Hytera"), alleging trade secret theft and copyright infringement and seeking, among other things, injunctive relief, compensatory damages and punitive damages. On February 14, 2020, the Company announced that a jury decided in the Company's favor in its trade secret theft and copyright infringement case. In connection with this verdict, the jury awarded the Company \$345.8\$ million in compensatory damages and \$418.8\$ million in punitive damages, for a total of \$764.6\$ million. In a series of post-trial rulings in 2021, the District Court subsequently reduced the judgment to \$543.7\$ million, but also ordered Hytera to pay the Company \$51.1\$ million in pre-judgment interest and \$2.6\$ million in costs, as well as \$34.2\$ million in attorneys' fees. The Company continues to seek collection of the judgment through the ongoing legal process.On December 17, 2020, the District Court held that Hytera must pay the Company a forward-looking reasonable royalty on products that use the Company'\$1\$ stolen trade secrets, and on December 15, 2021, set royalty rates for Hytera's sale of relevant products from July 1, 2019 forward. On July 5, 2022, the District Court ordered that Hytera pay into a third-party escrow on July 31, 2022, the royalties owed to the Company based on the sale of relevant products from July 1, 2019 to June 30, 2022. Hytera failed to make the required royalty payment on July 31, 2022. On August 1, 2022, Hytera filed a motion to modify or stay the District Court's previous July 5, 2022 royalty order, which the District Court denied on July 11, 2023. On August 3, 2022, the Company filed a motion seeking to hold Hytera in civil contempt for violating the royalty order by not making the required royalty payment on July 31, 2022. On August 26, 2023, the District Court granted the Company's contempt motion. As a result, on September 1, 2023, Hytera made a payment of \$56\$ million into the third-party escrow. In addition to the September 1, 2023 payment of \$56\$ million, Hytera has made de minimis quarterly royalty payments into the third-party escrow from October 2022 up through November 2024. Future royalty payments are expected to be paid directly to the Company. The aggregate amount paid into escrow of approximately \$61\$ million was released to the Company on November 26, 2024 and was recorded as a gain within Other Charges (Income) within the Consolidated Statement of Operations.Following the February 14, 2020, verdict and judgment in the Company's favor, Hytera appealed to the U.S. Court of Appeals for the Seventh Circuit (the "Court of Appeals"), seeking review of the orders related to the jury's verdict as well as the District Court's royalty order. The Company filed its cross-appeal on August 5, 2022. The Court of Appeals heard oral arguments on December 5, 2023, and issued its decision on July 2, 2024. The Court of Appeals affirmed the District Court's award of \$407.4\$ million in damages, including exemplary damages, under the Defend Trade Secrets Act. The Court of Appeals also directed the District Court to recalculate and reduce its award of \$136.3\$ million in copyright infringement damages, and instructed the District Court to reconsider its denial of the Company's request for an injunction. In all other respects, the Court of Appeals affirmed the judgment of the District Court. On October 4, 2024, the Court of Appeals denied Hytera's motion for rehearing. The case was remanded to the District Court for further action per the Court of Appeals' decision. On January 2, 2025, Hytera filed a petition for writ of certiorari with the Supreme Court of the United States. Acceptance or denial of the petition is discretionary by the Supreme Court.In 2024, the parties engaged in competing litigation in the District Court and a court in China related to the possible continued use by Hytera of the Company'\$1\$ trade secrets in Hytera'\$1\$ currently shipping products. On April 2, 2024, the District Court held Hytera in civil contempt, and issued a worldwide sales injunction of certain Hytera products and a daily fine, for Hytera's failure to withdraw its competing litigation in China. On April 16, 2024, the Court of Appeals granted Hytera's motion for an emergency stay of the contempt sanctions, to allow the Court of Appeals to review the District Court's various orders related to the competing litigation and contempt sanctions. The District Court held hearings from August 26-30, 2024, concerning whether Hytera's currently shipping products continue to misuse the Company's trade secrets and copyrighted source code. The issue is currently under consideration by the District Court.Hytera Criminal LitigationOn January 13, 2025, Hytera pleaded guilty to one federal felony count of conspiracy to steal the Company's trade secrets in a criminal action brought by the U.S. Department of Justice against Hytera and several of its employees in the District Court. Hytera's sentencing has been scheduled for November 6, 2025. Pursuant to the plea agreement reached between Hytera and the government, Hytera's sentence may include a fine to be paid to the government and restitution to be paid to the Company in an amount to be determined by the District Court.Hytera Bankruptcy Proceedings Separate from the Company's litigation with Hytera, on May 27, 2020, Hytera America, Inc. and Hytera Communications America (West), Inc. each filed for Chapter 11 bankruptcy protection in the U.S. Bankruptcy Court for the Central District of California (the "\$2\$Bankruptcy Court\$2\$). On February 11, 2022, the Court entered an order to confirm the liquidation plan for the two Hytera entities and distributions were made on February 25, 2022 to the creditors, including a distribution of \$13\$ million to the Company. On December 22, 2022, an additional distribution of \$2\$ million was made to the Company as well as an assignment of various delinquent accounts receivable of the bankrupt Hytera entities. On April 4, 2024, a final de minimis distribution was made to the Company. The gains for the three monetary distributions were recorded to Other charges (income) in the Company's Consolidated Statements of Operations.9713.\$1\$ \$1\$ \$1\$ Information by Segment and Geographic RegionThe Company conducts its business globally and manages it through the following two segments:Products and Systems Integration: The Products and Systems Integration segment offers an extensive portfolio of infrastructure, devices, accessories, video security devices and infrastructure, and the implementation and integration of such systems, devices, and applications. Within LMR Communications, the Company is a global leader in the two-way radio category, including the Company'\$1\$ Project 25 ("P25"), Terrestrial Trunked Radio (TETRA), Digital Mobile Radio (DMR), as well as other professional and commercial radio (\$2\$PCRA\$2\$) solutions. The Company provides LTE solutions for public safety, government and commercial users, including devices operating in 700 MHz, 900 MHz and Citizens' Broadband Radio Service (CBRS) frequencies. The Company's Video technology includes network video management infrastructure, fixed security, certain mobile video equipment and access control solutions. The primary customers of the Products and Systems Integration segment are government, public safety and commercial customers who operate private communications systems and video security solutions and typically manage a mobile workforce. In 2024, the segment'\$1\$ net sales were \$6.9 billion, representing 64% of the Company's consolidated net sales.Software and Services: The Software and Services segment provides a broad range of solution offerings for government, public safety and commercial customers. Software includes public safety and enterprise Command Center, unified communications applications, certain mobile video equipment, and video software solutions, delivered both on-premise and \$2\$as-a-service.\$2\$ Services includes a continuum of service offerings beginning with repair, technical support and maintenance. More advanced technologies include monitoring, software updates and cybersecurity services. Managed services range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. In 2024, the segment'\$1\$ net sales were \$3.9 billion, representing 36% of the Company's consolidated net sales.For the years ended December\$31, 2024, 2023 and 2022, no single customer accounted for more than 10% of the Company's net sales.Segment InformationThe Company's chief operating decision maker, the chief executive officer, uses both segment gross margin and segment operating earnings to assess performance and allocate resources (including employees, property, and financial or capital resources) for each segment predominantly in the annual budget and forecasting process. The chief operating decision maker considers budget-to-actual variances on a monthly basis for both profit measures when making decisions about allocating capital and personnel to the segments.The accounting policies of the reportable segments are the same as those described in the summary of significant accounting policies. See \$2\$Note 1: Summary of Significant Accounting Policies\$2\$ to our consolidated financial statements in this \$2\$Part II. Item 8: Financial Statements and Supplementary Data\$2\$ of this Form 10-K.The following table summarizes Net sales, significant expenses, Gross margin and Operating earnings by segment:\$1\$ 202420232022Years ended December 31Products and Systems IntegrationSoftware and ServicesTotalProducts and Systems IntegrationSoftware and ServicesTotalProducts and Systems IntegrationSoftware and ServicesTotalNet sales\$6,883\$ 3,934\$ 10,817\$ 6,242\$ 3,736\$ 9,978\$ 5,728\$ 3,384\$ 9,112\$ Costs of sales\$3,215\$ 2,090\$ 5,305\$ 3,115\$ 1,893\$ 5,008\$ 3,060\$ 1,823\$ 4,883\$ Gross margin\$3,668\$ 1,844\$ 5,121\$ 3,127\$ 1,843\$ 4,970\$ 2,668\$ 1,561\$ 4,229\$ Selling, general and administrative expenses1,392\$ 3601,752\$ 1,239\$ 322\$ 1,561\$ 1,156\$ 294\$ 1,450\$ Research and development expenditures\$573\$ 4291,755\$ 1,307\$ 858\$ 503\$ 276\$ 779\$ Other charges\$251\$ 301\$ 559\$ 163\$ 257\$ 96\$ 243\$ 339\$ Operating earnings\$1,676\$ 1,012\$ 2,688\$ 1,244\$ 1,050\$ 2,294\$ 913\$ 748\$ 1,661\$ Total other expense(716)(148)(146)(146)Net earnings before income taxes\$1,972\$ 2,146\$ 1,515\$ 987The following table summarizes the Company's capital expenditures and depreciation expense by segment:\$1\$ \$1\$ Capital ExpendituresDepreciation ExpenseYears ended December 31202420232022202420232022Products and Systems Integration\$103\$ 97\$ 77\$ 90\$ 83\$ 79\$ Software and Services15\$ 156\$ 179\$ 94\$ 96\$ 104\$ 257\$ 253\$ 256\$ 184\$ 179\$ 183\$ The Company's chief operating decision maker does not review or allocate resources based on segment assets.Geographic Area Information\$1\$ Net SalesAssetsYears ended December 31202420232022United States\$7,432\$ 6,559\$ 6,008\$ 11,456\$ 10,207\$ 9,227\$ United Kingdom\$72\$ 769\$ 789\$ 2,190\$ 2,034\$ 2,321\$ Canada\$388\$ 373\$ 366\$ 383\$ 362\$ 394\$ Other\$4,25\$ 2,277\$ 1,949\$ 566\$ 733\$ 872\$ 1,410\$ 1,74\$ 9,978\$ 9,112\$ 14,595\$ 13,366\$ 12,81\$ sales attributed to geographic area are predominately based on the ultimate destination of the Company's products and services.14.\$1\$ \$1\$ \$1\$ Reorganization of BusinessesThe Company maintains a formal Involuntary Severance Plan (the "\$2\$Severance Plan\$2\$), which permits the Company to offer eligible employees severance benefits based on years of service and employment grade level in the event that employment is involuntarily terminated as a result of a reduction-in-force or restructuring. The Company recognizes termination benefits based on formulas per the Severance Plan at the point in time that future settlement is probable and can be reasonably estimated based on estimates prepared at the time a restructuring plan is approved by management. Exit costs consist of contractual lease termination costs, costs to exit committed contracts and other contractual terminations. At each reporting date, the Company evaluates its accruals for employee separation and exit costs to ensure the accruals are still appropriate. In certain circumstances, accruals are no longer needed because of efficiencies in carrying out the plans or because employees previously identified for separation resigned from the Company and did not receive severance, or were redeployed due to circumstances not foreseen when the original plans were approved. In these cases, the Company reverses accruals through the Consolidated Statements of Operations where the original charges were recorded when it is determined they are no longer needed.During 2024, 2023, and 2022 the Company continued to implement various productivity improvement plans aimed at achieving long-term, sustainable

by driving efficiencies and reducing operating costs. These initiatives impacted both of the Company's segments and affected employees located in all geographic regions. During 2024, the Company recorded net reorganization of business charges of \$38 million, including \$12 million of charges in Costs of sales and \$26 million of charges in Other charges in the Company's Consolidated Statements of Operations. Included in the \$38 million were charges of \$48 million related to employee separation costs, partially offset by \$6 million of reversals for employee separation accruals no longer needed and \$4 million of reversals for exit cost accruals no longer needed. The following table displays the net charges incurred by segment: Year ended December 31, 2024

Products and Systems Integration	Software and Services
\$32A	\$6A

Reorganization of Businesses

Additional ChargesAdjustmentsAmountUsedAccruals at December 31

Reorganization costs	\$23A	\$48A	(\$6)	(\$38)	\$27A
Exit costs	\$5A	\$6A	\$4A	\$10A	(\$38)

2024 Exit CostsAt January 1, 2024, the Company had an accrual of \$5 million for exit costs related to the Company's exit of the Emergency Services Network contract with the Home Office. During the year, the Company recorded a \$4 million reversal for accruals no longer needed. The remaining \$1 million of exit costs are recorded in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2024, and are expected to be paid within one year. Employee Separation CostsAt January 1, 2024, the Company had an accrual of \$23 million for employee separation costs. The 2024 additional charges of \$48 million include severance costs for approximately 720A employees, of which 460 were direct employees and 260 were indirect employees. The adjustments of \$6 million reflect reversals of accruals no longer needed. The \$38 million used in 2024 reflects cash payments to severed employees. The remaining accrual of \$27 million, which is included in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2024, is expected to be paid, primarily within one year to: (i) severed employees who have already begun to receive payments and (ii) approximately 140 employees to be separated in 2025. 2023 ChargesDuring 2023, the Company recorded net reorganization of business charges of \$53 million, including \$7 million of charges in Costs of sales and \$46 million of charges under Other charges in the Company's Consolidated Statements of Operations. Included in the \$53 million were charges of \$41 million for employee separation costs and a \$24A million impairment loss related to the exit of video manufacturing operations, partially offset by \$7 million of reversals of accruals no longer needed and \$5 million of reversals for exit cost accruals no longer needed. The following table displays the net charges incurred by segment: Year ended December 31, 2023

Products and Systems Integration	Software and Services
\$45A	\$8A

Reorganization of Businesses

Additional ChargesAdjustmentsAmountUsedAccruals at December 31

Reorganization costs	\$26A	\$41A	(\$7)	(\$37)	\$23A
Exit costs <td>\$10A</td> <td>\$6A</td> <td>\$5A</td> <td>\$36A</td> <td>\$41A</td>	\$10A	\$6A	\$5A	\$36A	\$41A

2023 Exit CostsAt January 1, 2023, the Company had an accrual of \$10 million for exit costs related to the Company's exit of the ESN contract with the Home Office. During the year, the Company recorded a \$5 million reversal for accruals no longer needed. The remaining \$5 million of exit costs are recorded in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2023, and are expected to be paid within one year. Employee Separation CostsAt January 1, 2023, the Company had an accrual of \$26 million for employee separation costs. The 2023 additional charges of \$41 million include severance costs for approximately 700 employees, of which 420 were direct employees and 280 were indirect employees. The adjustments of \$7 million reflect reversals of accruals no longer needed. The \$37 million used in 2023 reflects cash payments to severed employees. The remaining accrual of \$23 million, which was included in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2023, is expected to be paid, primarily within one year to: (i) severed employees who have already begun to receive payments and (ii) approximately 75 employees to be separated in 2024. 2022 ChargesDuring 2022, the Company recorded net reorganization of business charges of \$36 million, including \$18 million of charges in Costs of sales and \$18 million of charges under Other charges in the Company's Consolidated Statements of Operations. Included in the aggregate \$36 millionA were charges of \$36 million for employee separation costs and \$10 million for exit costs, partially offset by \$10 million of reversals of accruals no longer needed. The following table displays the net charges incurred by segment: Year ended December 31, 2022

Products and Systems Integration	Software and Services
\$15A	\$36A

15A

Intangible Assets and GoodwillThe Company accounts for acquisitions using purchase accounting with the results of operations for each acquiree included in the Company's consolidated financial statements for the period subsequent to the date of acquisition. Recent AcquisitionsOn October 29, 2024, the Company acquired 3tc, a provider of control room software solutions for \$22A million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4A million to certain key employees that will be expensed over a service period of one year. The acquisition expands the Company's critical experience and innovation focused on advancing CAD for the U.K.'s public safety agencies. The Company recognized \$19A million of goodwill, \$4A million of identifiable intangible assets, and \$1A million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as \$4A million of developed technology and will be amortized over a period of seven years. The business is part of the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, intangible assets, net liabilities and goodwill may be subject to change. On July 1, 2024, the Company acquired Noggin, a global provider of CEM software for \$91A million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$19A million to certain key employees that will be expensed over a service period of three years. This acquisition enhances the Company's portfolio by adding operational resilience and CEM capabilities, which help enterprises and critical infrastructure anticipate, prepare for and efficiently respond to incidents. The Company recognized \$50A million of goodwill, \$53A million of identifiable intangible assets, and \$12A million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$1A million of trade names, \$7A million of customer relationships and \$45A million of developed technology and will be amortized over a period of three, fifteen and thirteen years, respectively. The business is part of the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, intangible assets, net liabilities and goodwill may be subject to change. On July 1, 2024, the Company acquired a company that provides vehicle location and management solutions for \$132A million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$3A million to certain key employees that will be expensed over a service period of three years. The Company recognized \$62A million of goodwill, \$65A million of identifiable intangible assets and \$5A million of net assets. The goodwill is deductible for tax purposes. The identifiable intangible assets were classified as \$11A million of trade names, \$51A million of customer relationships and \$3A million of developed technology and will be amortized over a period of nine, eighteen and six years, respectively. The acquisition expands the Company's video solutions within the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, net assets and goodwill may be subject to change. On February 13, 2024, the Company acquired Silent Sentinel, a provider of specialized, long-range cameras, for \$37A million, net of cash acquired. This acquisition complements the Company's portfolio of fixed video cameras, expanding its footprint with government and critical infrastructure customers and strengthens the Company's position as a global leader in end-to-end video security solutions. The Company recognized \$16A million of goodwill, \$22A million of identifiable intangible assets and \$1A million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$1A million of trade names, \$10A million of customer relationships and \$11A million of developed technology and will be amortized over a period of two, fourteen and ten years, respectively. The business is part of the Products and System Integration segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, net liabilities and goodwill may be subject to change. On December 15, 2023, the Company acquired IPVideo, the creator of the HALO Smart Sensor, for \$170A million, net of cash acquired. The transaction also included the potential for the Company to make contingent earn-out payments of up to \$15A million based on IPVideo's achievement of certain financial targets from January 1, 2024 through December 31, 2024. As of the acquisition date, the Company estimated the fair value of the contingent earn-out to be \$2A million, which was included in the purchase price. However, as of December 31, 2024, the Company concluded that the contingent earn-out targets were not achieved. In addition, the Company issued restricted stock at a fair value of \$5A million to certain key employees that will be expensed over a service period of one year. The HALO Smart Sensor is a multifunctional safety and security device with built-in vape detection and air quality monitoring, gunshot detection, abnormal noise and motion detection and emergency keyword detection. This acquisition adds sensor technology to the Company's physical security portfolio. The Company recognized \$100A million of goodwill, \$83A million of identifiable intangible assets and \$13A million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$8A million of trade names, \$6A million of customer relationships and \$69A million of developed technology and will be amortized over a period of eight, twelve and fifteen years, respectively. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the fourth quarter of 2024. On December 14, 2022, the Company acquired Rave Mobile, a leader in mass notification and incident management, for \$553A million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$2A million to certain key employees that will be expensed over a service period of two years. This acquisition complements the Company's portfolio with a platform specifically designed to help organizations and public safety agencies communicate and collaborate during emergencies. The Company recognized \$400A million of goodwill, \$212A million of identifiable intangible assets and \$59A million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$9A million of trade names, \$82A million of developed technology and \$121A million of customer relationships and will be amortized over a period of nine, seventeen years and seventeen years, respectively. The business is a part of the Software and Services segment. The purchase accounting was completed as of the fourth quarter of 2023. On October 25, 2022, the Company acquired Futurecom, a leading provider of radio coverage extension solutions for public safety agencies, for \$30A million, net of cash acquired. Futurecom designs and manufactures radio frequency repeaters. This acquisition further expands the Company's communications network and device portfolios. The Company recognized \$10A million of goodwill, \$11A million of an identifiable intangible asset and \$9A million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as developed technology and will be amortized over a period of six years. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the fourth quarter of 2023. On August 8, 2022, the Company acquired Barrett Communications, a global provider of specialized radio communications, for \$18A million, net of cash acquired. This acquisition complements the Company's existing radio portfolio, allowing the Company to use high frequency and very high frequency radio communications to support mission-critical operations. The Company recognized \$1A million of goodwill, \$3A million of identifiable intangible assets and \$14A million of net assets. The identifiable intangible assets were classified as \$1A million of trade names and \$2A million of developed technology, both of which will be amortized over a period of seven years. The goodwill is not deductible for tax purposes. The business is part of the Products and Systems Integration segment. The purchase accounting was completed as of the third quarter of 2023. On May 12, 2022, the Company acquired Videotec, a global provider of ruggedized video security solutions, for \$23A million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4A million to certain key employees that will be expensed over a service period of one year. This acquisition extends the Company's breadth of high-performance video products, reinforcing the Company's strategy to be a global leader in video security solutions. The Company recognized \$9A million of goodwill, \$6A million of an identifiable intangible asset and \$8A million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as developed technology and will be amortized over a period of four years. The business is part of the Products and Systems Integration segment. The purchase accounting was completed as of the second quarter of 2023. On April 19, 2022, the Company acquired Calipsa, a technology leader in cloud-native advanced video analytics, for \$39A million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4A million to certain key employees that will be expensed over a service period of two years. This acquisition extends the Company's intelligent analytics across video security solutions and supports the accelerating trend of enterprises using cloud technologies to enhance safety and security. The Company recognized \$24A million of goodwill, \$21A million of identifiable intangible assets, and \$6A million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$20A million of developed technology and \$1A million of customer relationships that will be amortized over a period of fifteen and three years, respectively. The business is a part of the Software and Services segment. The purchase accounting was completed as of the second quarter of 2023. On March 23, 2022, the Company acquired TETRA Ireland, the provider of Ireland's National Digital Radio Service, for \$120A million, net of cash acquired. The Company was an initial shareholder of TETRA Ireland and acquired the remaining interest in the entity from the other shareholders. This acquisition expands the Company's portfolio of delivering mission-critical voice and data communications solutions to first responders and frontline workers. As a result of the acquisition, the Company recognized a \$21A million gain recorded within Other income (expense) on the Company's initial minority interest. The Company recognized \$47A million of goodwill, \$90A million of identifiable intangible assets, and \$6A million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$83A million of customer relationships and \$7A million of trade names that will be amortized over a period of twelve years and fourteen years, respectively. The business is part of the Software and Services segment. The purchase accounting was completed as of the first quarter of 2023. On March 3, 2022, the Company acquired Ava, a global provider of cloud-native video security and analytics, for \$388A million, net of cash acquired. In addition, the Company issued restricted stock and restricted stock units at a fair value of \$7A million to certain key employees that will be expensed over an average service period of two years. This acquisition expands the Company's portfolio of intelligent video solutions that help to enhance safety and streamline operations. The Company recognized \$267A million of goodwill, \$165A million of identifiable intangible assets, and \$44A million of net liabilities. The goodwill is not

relating to Motorola Solutions, including our consolidated subsidiaries, required to be disclosed in our SEC reports: (i) is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms, and (ii) is accumulated and communicated to Motorola Solutionsâ€™ management, including our chief executive officer and chief financial officer, as appropriate to allow timely decisions regarding required disclosure.Â Managementâ€™s Report on Internal Control Over Financial Reporting.The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting as such term is defined in Rule 13a-15(f) of the Exchange Act. Under the supervision and with the participation of our senior management, including our chief executive officer and chief financial officer, we assessed the effectiveness of our internal control over financial reporting as of December 31, 2024, using the criteria set forth in the Internal Control-Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"). Based on this assessment, management has concluded that our internal control over financial reporting was effective as of December 31, 2024.Â The Companyâ€™s independent registered public accounting firm, PricewaterhouseCoopers LLP, has issued an attestation report on the Companyâ€™s internal control over financial reporting. The report on the audit of internal control over financial reporting appears in "Part II, Item 8, Financial Statements and Supplementary Data" of this Form 10-K.Changes in Internal Control Over Financial Reporting.There have been no changes in our internal control over financial reporting that occurred during our most recent fiscal quarter that have materially affected or are reasonably likely to materially affect our internal control over financial reporting.Item 9B. Other InformationDuring the three months ended December 31, 2024, no director or officer of the Company adopted or terminated a "Rule 10b5-1 trading arrangement" or "non-Rule 10b5-1 trading arrangement," as each term is defined in Item 408(a) of Regulation S-K.Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent InspectionsNot applicable.105PART IIIItem 10. Directors, Executive Officers and Corporate GovernanceThe response to this Item with respect to directors is incorporated herein by reference to the information under the caption "Our Board - Who We Are" of our Proxy Statement; with respect to executive officers, is contained in Part I hereof under the caption "Information About our Executive Officers"; with respect to the audit committee, is incorporated herein by reference to the information under the caption "Committees of the Board" of the Proxy Statement; and, with respect to our insider trading policies and procedures is incorporated herein by reference to the information under the caption "How Our Board Governs the Company" Company Insider Trading Prohibitions Policy of the Proxy Statement. In addition, Motorola Solutionsâ€™ Insider Trading Prohibitions Policy is filed as Exhibit 19 to this Form 10-K. Motorola Solutions has adopted a code of ethics, the Motorola Solutions Code of Business Conduct (the "Code"), that applies to all employees, including the Companyâ€™s principal executive officer, principal financial officer and controller (principal accounting officer). The Code is posted in the Corporate Governance section on Motorola Solutionsâ€™ Internet website, www.motorolasolutions.com/investors, and is available electronically and without charge by contacting Investor Relations at investors@motorolasolutions.com. Any legally required disclosures regarding amendments to, or waivers from, the Code applicable to executive officers will be posted on our Internet website or disclosed in a Current Report on Form 8-K filed with the SEC. The information contained on or accessible through our website is not incorporated by reference into and is not a part of this Form 10-K.Item 11. Executive CompensationThe response to this Item is incorporated herein by reference to the information under the captions "How We Determine Director Compensation," "How Our Directors Are Compensated," "Compensation Discussion and Analysis," "Compensation and Leadership Committee Report," "Compensation and Leadership Committee Interlocks and Insider Participation," "Named Executive Officer Compensation," and "CEO Pay Ratio" of the Proxy Statement.Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder MattersThe response to this Item is incorporated herein by reference to the information under the captions "Equity Compensation Plan Information" and "Security Ownership Information" of the Proxy Statement.Item 13. Certain Relationships and Related Transactions, and Director IndependenceThe response to this Item is incorporated herein by reference to the information under the captions "Related Person Transaction Policy and Procedures" and "Independence" of the Proxy Statement.Item 14. Principal Accounting Fees and ServicesThe response to this Item is incorporated by reference to the information under the captions "Independent Registered Public Accounting Firm Fees" and "Audit Committee Pre-Approval Policies" of the Proxy Statement.106PART IVItem 15. Exhibits and Financial Statement Schedules(a)1. A Financial StatementsA See Part II, Item 8 hereof.2. A Financial Statement SchedulesAll schedules omitted are inapplicable or the information required is shown in the consolidated financial statements or notes thereto.3. A ExhibitsExhibit numbers 10.5 through 10.64 listed in this Exhibit Index are management contracts or compensatory plans or arrangements required to be filed as exhibits to this form by Item 15(b) hereof.3.1Restated Certificate of Incorporation of Motorola Solutions, Inc., dated May 15, 2024 (incorporated by reference to Exhibit 3.1 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended June 29, 2024). 3.2Amended and Restated Bylaws of Motorola Solutions, Inc. effective as of November 17, 2022 (incorporated by reference to Exhibit 3.1 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on November 18, 2022). 4.1A (a)Senior Indenture, dated as of May 1, 1995, between The Bank of New York Mellon Trust Company, N.A. (as successor Trustee to JPMorgan Chase Bank (as successor in interest to Bank One Trust Company) and BNY Midwest Trust Company (as successor in interest to Harris Trust and Savings Bank) and Motorola, Inc. (incorporated by reference to Exhibit 4(d) of the Registrant's Registration Statement on Form S-3 filed on September 25, 1995). 4.1 (b)Instrument of Resignation, Appointment and Acceptance, dated as of January 22, 2001, among Motorola, Inc., Bank One Trust Company, N.A. and BNY Midwest Trust Company (as successor in interest to Harris Trust and Savings Bank) (incorporated by reference to Exhibit 4.2(b) to Motorola, Inc.'s Annual Report on Form 10-K for the fiscal year ended December 31, 2000). 4.1 (c)Indenture, dated as of August 19, 2014, between Motorola Solutions, Inc. and The Bank of New York Mellon Trust Company, N.A., as trustee (incorporated by reference to Exhibit 4.1 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on August 19, 2014). 4.2Description of the Registrant's Securities Registered Pursuant to Section 12 of the Securities Exchange Act of 1934 (incorporated by reference to Exhibit 4.2 to Motorola Solutions, Inc.'s Annual Report on Form 10-K for the fiscal year ended December 31, 2023). 10.1Amended and Restated Master Separation and Distribution Agreement, effective as of July 31, 2010, among Motorola Mobility Holdings, Inc. (f/k/a Motorola SpinCo Holdings Corporation), Motorola Mobility, Inc. and Motorola, Inc. (incorporated by reference to Exhibit 2.1 to Amendment No. 1 to the Form 10 Registration Statement filed on August 31, 2010 by Motorola Mobility Holdings, Inc. (formerly Motorola SpinCo Holdings Corporation)). 10.2Amended and Restated Intellectual Property License Agreement, effective as of July 31, 2010, between Motorola Mobility, Inc. and Motorola, Inc. (incorporated by reference to Exhibit 10.2 to Amendment No. 1 to the Form 10 Registration Statement filed on August 31, 2010 by Motorola Mobility Holdings, Inc. (formerly Motorola SpinCo Holdings Corporation)). 10.3Amended and Restated Exclusive License Agreement, effective as of July 30, 2010, between Motorola Trademark Holdings, LLC and Motorola, Inc. (incorporated by reference to Exhibit 10.3 to Amendment No. 3 to the Form 10 Registration Statement filed on November 12, 2010 by Motorola Mobility Holdings, Inc.). 10.4Tax Sharing Agreement, effective as of July 31, 2010, among Motorola Mobility Holdings, Inc. (f/k/a Motorola SpinCo Holdings Corporation), Motorola Mobility, Inc. and Motorola, Inc. (incorporated by reference to Exhibit 10.4 to Amendment No. 1 to the Form 10 Registration Statement filed on August 31, 2010 by Motorola Mobility Holdings, Inc. (formerly Motorola SpinCo Holdings Corporation)). 10.5Motorola Solutions Omnibus Incentive Plan of 2015 (f/k/a the Motorola Omnibus Incentive Plan of 2006), as amended and restated effective May 18, 2015 (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on May 21, 2015). 10.6First Amendment to the Motorola Solutions Omnibus Incentive Plan of 2015 (f/k/a the Motorola Omnibus Incentive Plan of 2006), as amended and restated effective May 18, 2015 (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended September 26, 2020). 10.7Motorola Solutions Amended and Restated Omnibus Incentive Plan of 2015, effective as of May 17, 2022 (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on May 20, 2022). 10.8Form of Motorola Solutions, Inc. Performance Option Award Agreement for grants to Section 16 Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.11 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.9Form of Motorola Solutions, Inc. Performance Option Award Agreement for grants to Section 16 Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.9 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.10Form of Motorola Solutions, Inc. Performance Option Award Agreement for grants to Section 16 Officers from February 14, 2019 to March 9, 2022 (incorporated by reference to Exhibit 10.2 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended March 30, 2019). 10.11Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options for grants to Section 16 Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.8 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.12Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options for grants to Section 16 Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.6 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.13Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options for grants to Section 16 Officers from May 6, 2013 to March 9, 2022 (incorporated by reference to Exhibit 10.2 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended June 29, 2013). 10.14Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options for grants on or after March 9, 2023 (incorporated by reference to Exhibit 10.5 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.15Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options relating to the Motorola Solutions Omnibus Incentive Plan of 2015, as amended, for grants from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.3 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.16Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options relating to the Motorola Solutions Omnibus Incentive Plan of 2015 for grants from February 15, 2018 to March 9, 2022 (incorporated by reference to Exhibit 10.4 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2018). 10.17Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options relating to the Motorola Solutions Omnibus Incentive Plan of 2015 for grants from March 9, 2017 to February 14, 2018 (incorporated by reference to Exhibit 10.6 to Motorola Solutionsâ€™ Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2017). 10.18Form of Motorola Solutions, Inc. Award Document-Terms and Conditions Related to Employee Nonqualified Stock Options relating to the Motorola Solutions Omnibus Incentive Plan of 2006 for grants from February 3, 2014 to March 8, 2017 (incorporated by reference to Exhibit 10.9 to Motorola Solutions, Inc.'s Annual Report on Form 10-K for the fiscal year ended December 31, 2013). 10.19Form of Motorola Solutions, Inc. Stock Option Consideration Agreement for grants on or after March 9, 2023 (incorporated by reference to Exhibit 10.6 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.20Form of Motorola Solutions, Inc. Stock Option Consideration Agreement for grants from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.4 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.21Form of Motorola Solutions, Inc. Stock Option Consideration Agreement for grants from March 9, 2017 to March 9, 2022 (incorporated by reference to Exhibit 10.7 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2017). 10.22Form of Motorola Solutions Stock Option Consideration Agreement for grants from February 3, 2014 to March 8, 2017 (incorporated by reference to Exhibit 10.14 to Motorola Solutions, Inc.'s Annual Report on Form 10-K for the fiscal year ended December 31, 2013). 10.23Form of Motorola Solutions, Inc. Market Stock Unit Award Agreement for grants to Section 16 Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.10 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.24Form of Motorola Solutions, Inc. Market Stock Unit Agreement for grants to Section 16 Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.8 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.25Form of Motorola Solutions, Inc. Restricted Stock Unit Award Agreement for grants to Section 16 Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.12 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.26Form of Motorola Solutions, Inc. Restricted Stock Unit Agreement relating to the Motorola Solutions Omnibus Incentive Plan of 2015, as amended, for grants to Section 16 Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.10 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.27Form of Motorola Solutions, Inc. Restricted Stock Unit Award Agreement for grants to Appointed Vice Presidents and Elected Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.3 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.28Form of Motorola Solutions, Inc. Restricted Stock Unit Agreement relating to the Motorola Solutions Omnibus Incentive Plan of 2015, as amended, for grants to Appointed Vice Presidents and Elected Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.29Form of Motorola Solutions, Inc. Restricted Stock Unit Agreement relating to the Motorola Solutions Omnibus Incentive Plan of 2015 for grants to Appointed Vice Presidents and Elected Officers from February 15, 2018 to March 9, 2022 (incorporated by reference to Exhibit 10.2 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2018). 10.30Form of Motorola Solutions, Inc. Restricted Stock Unit Award Agreement for grants to Employees on or after March 9, 2023 (incorporated by reference to Exhibit 10.4 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.31Form of Motorola Solutions, Inc. Restricted Stock Unit Agreement relating to the Motorola Solutions Omnibus Incentive Plan of 2015, as amended, for grants to Employees from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.2 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.32Form of Motorola Solutions, Inc. Restricted Stock Unit Agreement relating to the Motorola Solutions Omnibus Incentive Plan of 2015 for grants to Employees from February 15, 2018 to March 9, 2022 (incorporated by reference to Exhibit 10.3 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2018). 10.33Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to non-Section 16 Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.7 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.34Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to non-Section 16 Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.5 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). *10.35Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to Messrs. Molloy, Sapharishi, and Winkler on November 11, 2024. 10.36Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to Section 16 Officers on or after March 9, 2023 (incorporated by reference to Exhibit 10.9 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.37Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to Section 16 Officers from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.7 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.38Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to Gregory Q. Brown on or after March 9, 2023 (incorporated by reference to Exhibit 10.13 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.39Form of Motorola Solutions, Inc. Performance Stock Unit Award Agreement for grants to Gregory Q. Brown from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.11 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.40Form of Motorola Solutions, Inc. Performance Option Award Agreement for grants to Gregory Q. Brown on or after March 9, 2023 (incorporated by reference to Exhibit 10.15 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.41Form of Motorola Solutions, Inc. Performance Option Award Agreement for grants to Gregory Q. Brown from March 9, 2015 to March 8, 2023 (incorporated by reference to Exhibit 10.3 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on March 11, 2015). 10.42Form of Motorola Solutions Stock Option Consideration Agreement for Gregory Q. Brown for grants on or after March 9, 2023 (incorporated by reference to Exhibit 10.16 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.43Form of Motorola Solutions Stock Option Consideration Agreement for Gregory Q. Brown for grants from March 10, 2022 to March 8, 2023 under the Motorola Solutions Omnibus Incentive Plan of 2015, as amended (incorporated by reference to Exhibit 10.13 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.44Form of Motorola Solutions Stock Option Consideration Agreement for Gregory Q. Brown for grants from January 4, 2011 to March 9, 2022 under the Motorola Solutions Omnibus Incentive Plan of 2006 (incorporated by reference to Exhibit 10.27 to Motorola Solutions, Inc.'s Annual Report on Form 10-K for the fiscal year ended December 31, 2010). 10.45Form of Motorola Solutions, Inc. Market Stock Unit Award Agreement for grants to Gregory Q. Brown on or after March 9, 2023 (incorporated by reference to Exhibit 10.14 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023). 10.46Form of Motorola Solutions, Inc. Market Stock Unit Agreement for grants to Gregory Q. Brown from March 10, 2022 to March 8, 2023 (incorporated by reference to Exhibit 10.12 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022). 10.47Form of Motorola Solutions Deferred Stock Units

Agreement between Motorola Solutions, Inc. and its non-employee directors, relating to the deferred stock units issued in lieu of cash compensation to directors under the Motorola Solutions Omnibus Incentive Plan of 2006, for acquisitions on or after January 1, 2012 (incorporated by reference to Exhibit 10.37 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2011).10.48Form of Motorola Solutions Deferred Stock Units Award between Motorola Solutions, Inc. and its non-employee directors under the Motorola Solutions Omnibus Incentive Plan of 2006 or any successor plan for grants on or after January 1, 2012 (incorporated by reference to Exhibit 10.40 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2011).10910.49Form of Motorola Solutions Deferred Stock Units Award between Motorola Solutions, Inc. and its non-employee directors under the Motorola Solutions Omnibus Incentive Plan of 2006 or any successor plan for grants from January 4, 2011 to December 31, 2011 (incorporated by reference to Exhibit 10.39 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2010).10.50Motorola Solutions Executive Officer Short Term Incentive Plan dated January 17, 2013 (effective January 1, 2013) (incorporated by reference to Exhibit 10.50 to Motorola Solutionsâ€™ Annual Report on Form 10-K for the fiscal year ended December 31, 2012).10.51Motorola Solutions Executive Officer Short Term Incentive Plan Term Sheet (incorporated by reference to Exhibit 10.51 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2012).10.52Motorola Solutions Long Range Incentive Plan (LRIP), as Amended and Restated February 11, 2021 (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.â€™s Quarterly Report on Form 10-Q for the fiscal quarter ended April 3, 2021).10.532022-2024 Performance Measures under the Motorola Solutions Long Range Incentive Plan (LRIP), as approved on February 15, 2022 (incorporated by reference to Exhibit 10.14 to Motorola Solutions, Inc.â€™s Quarterly Report on Form 10-Q for the fiscal quarter ended April 2, 2022).10.542023-2025 Performance Measures under the Motorola Solutions Long Range Incentive Plan (LRIP), as approved on February 24, 2023 (incorporated by reference to Exhibit 10.2 to Motorola Solutions, Inc.â€™s Quarterly Report on Form 10-Q for the fiscal quarter ended April 1, 2023).10.552024-2026 Performance Measures under the Motorola Solutions Long Range Incentive Plan (LRIP), as approved on February 21, 2024 (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.â€™s Quarterly Report on Form 10-Q for the fiscal quarter ended March 30, 2024).10.56Motorola Solutions Management Deferred Compensation Plan (As Amended and Restated Effective as of June 1, 2013) (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on June 5, 2013).10.57Motorola Solutions, Inc. 2011 Senior Officer Change in Control Severance Plan, as amended and restated November 13, 2014 (incorporated by reference to Exhibit No. 10.54 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2014).10.58Motorola Solutions, Inc. 2011 Executive Severance Plan, as amended and restated November 13, 2014 (incorporated by reference to Exhibit No. 10.55 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2014).10.59Arrangement for directorsâ€™ fees for non-employee directors (description incorporated by reference from the information under the caption â€œHow our Directors are Compensatedâ€ of Motorola Solutions Inc.â€™s Proxy Statement on Schedule 14A for the 2024 Annual Meeting of Shareholders filed on March 28, 2024 (â€œMotorola Solutionsâ€™ Proxy Statementâ€)).10.60Description of insurance covering non-employee directors and their spouses (including a description incorporated by reference from the information under the caption â€œHow our Directors are Compensatedâ€ of the Motorola Solutionsâ€™ Proxy Statement, and incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Quarterly Report on Form 10-Q for the fiscal quarter ended on June 29, 2024).10.61Employment Agreement, dated August 27, 2008, by and between Motorola, Inc. and Gregory Q. Brown (incorporated by reference to Exhibit 10.1 to Motorola, Inc.â€™s Current Report on Form 8-K filed on August 29, 2008).10.62Amendment dated December 15, 2008, to the Employment Agreement dated August 27, 2008 by and between Motorola, Inc. and Gregory Q. Brown (incorporated by reference to Exhibit No. 10.50 to Motorola, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2008).10.63Second Amendment, dated May 28, 2010, to the Employment Agreement dated August 27, 2008, as amended, by and between Motorola, Inc. and Gregory Q. Brown (incorporated by reference to Exhibit 10.1 to Motorola, Inc.â€™s Current Report on Form 8-K filed on May 28, 2010).10.64Third Amendment, dated March 10, 2014, to the Employment Agreement dated August 27, 2008, as amended, by and between Motorola Solutions, Inc. and Gregory Q. Brown (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.â€™s Current Report on Form 8-K filed on March 13, 2014).10.65Revolving Credit Agreement, dated as of March 24, 2021, among Motorola Solutions, Inc., JPMorgan Chase Bank, N.A., as administrative agent, and the several lenders and agents party thereto (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.'s Current Report on Form 8-K filed on March 25, 2021).10.66First Amendment, dated as of February 8, 2023, by and among Motorola Solutions, Inc., JPMorgan Chase Bank, N.A., as administrative agent and the several lenders and agents party thereto (incorporated by reference to Exhibit 10.1 to Motorola Solutions, Inc.â€™s Current Report on Form 8-K filed on February 10, 2023).10.67Revised and Amended Aircraft Time Sharing Agreement, dated as of October 1, 2015, between Motorola Solutions, Inc. and Gregory Q. Brown (incorporated by reference to Exhibit 10.4 to Motorola Solutions, Inc.â€™s Quarterly Report on Form 10-Q for the fiscal quarter ended October 3, 2015).19Insider Trading Prohibitions Policy, effective as of November 14, 2024.*21Subsidiaries of Motorola Solutions, Inc.*23.1Consent of Independent Registered Public Accounting Firm.*31.1Certification of Gregory Q. Brown pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.*31.2Certification of Jason J. Winkler pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.110**32.1Certification of Gregory Q. Brown pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.*32.2Certification of Jason J. Winkler pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.97Motorola Solutions, Inc. Compensation Recoupment Policy, effective as of November 16, 2023 (incorporated by reference to Exhibit 97 to Motorola Solutions, Inc.â€™s Annual Report on Form 10-K for the fiscal year ended December 31, 2023).101.INSInline XBRL Instance Document101.SCHInline XBRL Taxonomy Extension Scheme Document101.CALInline XBRL Taxonomy Extension Calculation Linkbase Document101.DEFInline XBRL Taxonomy Extension Definition Linkbase Document101.LABInline XBRL Taxonomy Extension Label Linkbase Document101.PREInline XBRL Taxonomy Extension Presentation Linkbase Document104Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101)* Filed herewith** Furnished herewith(b)Exhibits:See Item15(a) 3 above.Item16. Form 10-K SummaryNone.111SIGNATURESPursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, Motorola Solutions, Inc. has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.MOTOROLA SOLUTIONS, INC.By:/S/Â A GREGORY Q. BROWNÂ A Â A Â A Gregory Q. BrownChairman and Chief Executive OfficerFebruary14, 2025Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of Motorola Solutions, Inc. and in the capacities and on the dates indicated.Â SignatureÂ A TitleDate/S/Â A GREGORY Q. BROWNÂ A Â A Â A Chairman and Chief Executive OfficerFebruary14, 2025Â A Â A Gregory Q. BrownÂ A and Director(Principal Executive Officer)/S/ JASON J. WINKLERÂ A Executive Vice President andFebruary14, 2025Jason J. WinklerChief Financial Officer(Principal Financial Officer)/S/Â A KATHERINE MAHERÂ A Corporate Vice President andFebruary14, 2025Katherine MaherChief Accounting Officer(Principal Accounting Officer)/S/ NICOLE ANASENSDirectorFebruary14, 2025Nicole Anasenes/S/Â A KENNETH D. DENMANÂ A DirectorFebruary14, 2025Kenneth D. Denman/S/Â A AYANNA M. HOWARDDirectorFebruary14, 2025Ayanna M. Howard/S/Â A CLAYTON M. JONESDirectorFebruary14, 2025Clayton M. Jones/S/Â A JUDY C. LEWENTÂ A DirectorFebruary14, 2025Judy C. Lewent/S/ ELIZABETH D. MANNDirectorFebruary14, 2025Elizabeth D. Mann/S/Â A GREGORY K. MONDREDirectorFebruary14, 2025Gregory K. Mondre/S/Â A JOSEPH M. TUCCIAÂ A DirectorFebruary14, 2025Joseph M. Tucci112 EX-10.35 2 exhibit1035formofpsuawarda.htm EX-10.35 DocumentExhibit 10.35PERFORMANCE STOCK UNIT AWARD AGREEMENT This Performance Stock Unit Award (â€œAwardâ€) is awarded by Motorola Solutions, Inc. (the â€œCompanyâ€ or â€œMotorola Solutionsâ€) to:â€œDate of Grantâ€â€œGranteeâ€ %OPTION_DATE,Month DD, YYYY-%%FIRST_NAME MIDDLE_NAME LAST_NAME%-WHEREAS, Grantee is receiving the Award of Performance Stock Units (as a type of Restricted Stock Unit) under Section 8 of the Motorola Solutions Amended and Restated Omnibus Incentive Plan of 2015, as may be amended (the â€œOmnibus Planâ€); andWHEREAS, the Award is being made by the Compensation and Leadership Committee (the â€œCompensation Committeeâ€) of the Board of Directors of the Company and will be subject to certain provisions of (and will refer to certain defined terms set forth in) the Motorola Solutions Long Range Incentive Plan, as Amended and Restated February 11, 2021 (the â€œLRIPâ€) as provided herein. NOW, THEREFORE, in consideration of the mutual covenants contained herein and for other good and valuable consideration, the Company hereby awards Performance Stock Units to Grantee on the following terms and conditions:1.Award of Performance Stock Units. The Company hereby grants to Grantee a target number of %SHARES PERIOD1,999,999,999%- Motorola Solutions Performance Stock Units (the â€œPSUsâ€) subject to the terms and conditions set forth below and subject to adjustment as provided in the LRIP (subject to the last sentence of this Section 1) and the Omnibus Plan, which provides an opportunity to earn up to a maximum number of shares of Motorola Solutions Common Stock (â€œCommon Stockâ€) equal to 200% of such target number. No PSU shall be paid unless earned in accordance with this agreement. All PSUs that become earned pursuant to this agreement shall be paid in whole shares of Common Stock; no fractional shares shall be credited or delivered to Grantee. The PSUs are granted pursuant to the Omnibus Plan and are subject to all of the terms and conditions of the Omnibus Plan, and shall only be subject to the LRIP as specifically referenced in this Award. Notwithstanding the foregoing, the LRIP provisions relating to the reclassification of Grantee from a higher Officer (as defined in the LRIP) level to a lower Officer level or vice versa shall not apply to the PSUs granted hereunder. 2.Restrictions. The PSUs are being awarded to Grantee subject to the transfer and forfeiture conditions set forth below (the â€œRestrictionsâ€):a.No Assignment. The PSUs may not be sold, transferred, pledged, assigned, or otherwise alienated or hypothecated, other than by will or by the laws of descent and distribution.b.Restricted Conduct. If Grantee engages in any of the conduct described in subparagraphs (i) through (v) below for any reason, in addition to all remedies in law and/or equity available to the Company or any Subsidiary (as defined in the LRIP), including the recovery of liquidated damages, Grantee shall forfeit all PSUs. For purposes of subparagraphs (i) through (v) below, â€œCompanyâ€ or â€œMotorola Solutionsâ€ shall mean Motorola Solutions, Inc. and/or any of its Subsidiaries.(i)Confidential Information. During the course of Granteeâ€™s employment with the Company or any Subsidiary and (A) at any time thereafter, Grantee uses or discloses, except on behalf of the Company and pursuant to the Companyâ€™s 1NAI-1541353716v1directions, any trade secrets of the Company, and (B) for fifteen years following the termination of Granteeâ€™s employment with the Company or any Subsidiary, Grantee uses or discloses, except on behalf of the Company and pursuant to the Companyâ€™s directions, any Company Confidential Information (as defined in Section 20 below); and/or(iii)Solicitation of Employees. During Granteeâ€™s employment and for a period of one year following the termination of Granteeâ€™s employment for any reason, Grantee hires, recruits, solicits or induces, or causes, allows, permits or aids others to hire, recruit, solicit or induce, or to communicate in support of those activities, any employee of the Company who possesses Confidential Information (as defined in Section 20 below) of the Company to terminate his/her employment with the Company and/or to seek employment with Granteeâ€™s new or prospective employer, or any other company; and/or(iii)Solicitation of Customers. During Granteeâ€™s employment and for a period of one year following the termination of Granteeâ€™s employment for any reason, Grantee, directly or indirectly, on behalf of Grantee or any other person, company or entity, solicits or participates in soliciting, products or services competitive with or similar to products or services offered by, manufactured by, designed by or distributed by the Company to any person, company or entity which was a customer or potential customer for such products or services and with which Grantee had direct or indirect contact regarding those products or services or about which Grantee learned Confidential Information (as defined in Section 20 below) at any time during the two years prior to Granteeâ€™s termination of employment with the Company; and/or(iv)Non-Competition regarding Products or Services. During Granteeâ€™s employment and for a period of one year following the termination of Granteeâ€™s employment for any reason, Grantee, directly or indirectly, in any capacity, provides products or services competitive with or similar to products or services offered by the Company to any person, company or entity which was a customer for such products or services and with which customer Grantee had direct or indirect contact regarding those products or services or about which customer Grantee learned Confidential Information at any time during the two years prior to Granteeâ€™s termination of employment with the Company; and/or(v)Non-Competition regarding Activities. During Granteeâ€™s employment and for a period of one year following the termination of Granteeâ€™s employment for any reason, Grantee engages in activities which are entirely or in part the same as or similar to activities in which Grantee engaged at any time during the two years preceding termination of Granteeâ€™s employment with the Company, for any person, company or entity in connection with products, services or technological developments (existing or planned) that are entirely or in part the same as, similar to, or competitive with, any products, services or technological developments (existing or planned) on which Grantee worked at any time during the two years preceding termination of Granteeâ€™s employment. This paragraph applies in countries in which Grantee has physically been present performing work for the Company at any time during the two years preceding termination of Granteeâ€™s employment.c.Recoupment Policy. The PSUs are subject to the terms and conditions of the Companyâ€™s Compensation Recoupment Policy, as such policy is in effect on the Date of Grant, including as it may be amended or supplemented from time to time to comply with Section 10D of the Exchange Act (as defined in Section 9 below) or other legal or stock exchange requirements (such policy, being the â€œRecoupment Policyâ€).Grantee expressly agrees that the Company may take such actions as are necessary or appropriate to effectuate the foregoing (as applicable to Grantee) or applicable law without further consent or 2NAI-1541353716v1action being required by Grantee. For purposes of the foregoing and as a condition to the grant, Grantee expressly and explicitly authorizes the Company to issue instructions, on Granteeâ€™s behalf, to the Designated Broker (as defined below) (or any other stock plan service provider engaged by the Company to administer awards granted under the Omnibus Plan) to re-convey, transfer or otherwise return such shares of Common Stock and/or other amounts to the Company. â€œDesignated Brokerâ€ means E*TRADE Financial Services LLC or such other stock plan service provider as may be selected by the Company in the future for purposes of assisting the Company with the implementation, administration and management of the Omnibus Plan.Grantee is hereby advised in writing to consult with an attorney before entering into the restrictions outlined in this Section 2. Grantee acknowledges that prior to acceptance of this Award, Grantee has been advised by the Company of Granteeâ€™s right to seek independent advice from an attorney of Granteeâ€™s own selection regarding this agreement, including the restraints imposed upon Grantee pursuant to this Section 2. Grantee acknowledges that Grantee has entered into this agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this agreement after being given the opportunity to consult with counsel. Grantee further represents that in entering into this agreement, Grantee is not relying on any statements or representations made by any of the Companyâ€™s directors, officers, employees or agents which are not expressly set forth herein, and that Grantee is relying only upon Granteeâ€™s own judgment and any advice provided by Granteeâ€™s attorney. Grantee acknowledges that Grantee has been provided at minimum 14 calendar days to review the provisions contained herein.Notwithstanding the foregoing, nothing in this Section 2 is intended to or shall limit, prevent, impede or interfere with Granteeâ€™s non-waivable right, without prior notice to the Company, to provide information to the government, participate in investigations, testify in proceedings regarding the Company or any Subsidiaryâ€™s past or future conduct, engage in any activities protected under whistleblower statutes, or to receive and fully retain a monetary award from a government-administered whistleblower award program for providing information directly to a government agency (and for purpose of clarity, Grantee is not prohibited from providing information voluntarily to the U.S. Securities and Exchange Commission pursuant to Section 21F of the Exchange Act). Grantee does not need prior authorization from the Company to make any such reports or disclosures and is not required to notify the Company that Grantee has made such reports or disclosures.In addition, and notwithstanding the foregoing, the U.S. Defend Trade Secrets Act of 2016 (â€œDTSAâ€) provides that an individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that (i) is made (A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal. In addition, the DTSA provides that an individual who files a lawsuit for retaliation by an employer for reporting a suspected violation of law may disclose the trade secret to the attorney of the individual and use the trade secret information in the court proceeding, if the individual (x) files any document containing the trade secret under seal and (y) does not disclose the trade secret, except pursuant to court order.3.Earning. Subject to the remaining terms and conditions of this Award, and provided the PSUs have not been forfeited as described in Section 2 above, the PSUs will be earned as follows:a.Performance Period. The PSUs will be earned and payable, if at all, based on the Companyâ€™s performance from November 11, 2024 until November 10, 2027 (the â€œPerformance Periodâ€) to the extent provided in the following schedule, to be determined following the Compensation Committeeâ€™s certification of the achievement of the applicable performance criteria set forth in Appendix A (such date, the â€œPerformance Certification Dateâ€), which certification shall occur in no event later than March 15 of the year following the end of the Performance Period for which the PSUs may be earned:3NAI-1541353716v1(A)PSUs Eligible to be Earned(B)Payout Factor(C)Number of PSUs Earned100% of Target PSU AwardSee Appendix A for Payout FactorsTarget PSU Award (Column A) times Payout Factor (Column B)Any PSUs that fail to be earned pursuant to Section 3(a) shall be forfeited, subject to the special provisions set forth in Sections 3(b) and (c). Any unearned PSUs shall be automatically forfeited upon Granteeâ€™s termination of employment with Motorola Solutions prior to the last day of the Performance Period for any reason other than as specifically set forth in Sections 3(b) and (c) below. The Company will not be obligated to pay Grantee any consideration whatsoever for

forfeited PSUs. For the avoidance of doubt, Grantee must remain employed on the last day of the Performance Period in order to earn any PSUs pursuant to this Award, except as explicitly set forth in this Award; provided, however, that if Grantee takes a Leave of Absence (as defined in the LRIP) from Motorola Solutions or a Subsidiary, such period shall constitute continued employment for purposes of this Award; provided, further, that, in such circumstances, the total number of PSUs that may become earned and payable to Grantee shall be pro-rated in accordance with the terms and conditions set forth in the LRIP. b.Total and Permanent Disability or Death. Upon the occurrence of Grantee’s termination of employment with Motorola Solutions and its Subsidiaries due to Total and Permanent Disability (as defined in the LRIP) or death, in each case prior to the last day of the Performance Period, the target number of PSUs for the Performance Period shall become fully earned, assuming achievement of the applicable performance criteria at the target performance level, such that if the Award becomes earned pursuant to this Section 3(b), the Payout Factor shall be deemed to equal 1 (one).c.Certain Terminations of Employment. Upon the occurrence of Grantee’s termination of employment with Motorola Solutions and its Subsidiaries due to (i) a Divestiture (as defined in the LRIP) that occurs during the final calendar year of the Performance Period, or (ii) Grantee’s termination of employment by Motorola Solutions or a Subsidiary for reasons other than for Serious Misconduct (as defined in the LRIP) during the final calendar year of the Performance Period, and if the PSUs have not been forfeited as described in Section 2 above, then a number of PSUs for the Performance Period shall remain subject to performance through the end of the Performance Period and shall become earned based upon actual achievement of the applicable performance criteria set forth in Appendix A for the Performance Period on a pro rata basis in an amount equal to (A) the number of PSUs under this Award that become earned based on actual performance as described in this Section 3(c), multiplied by (B) a fraction, the numerator of which is the number of completed full months of service by Grantee from the beginning of the Performance Period to Grantee’s date of termination and the denominator of which is the number of months in the Performance Period.4.Payment and Settlement of Earned PSUs.a.General. Upon the earning of the PSUs described in Section 3 above, the Company shall, at its election, either: (i) establish a brokerage account for Grantee and credit to that account the number of shares of Common Stock of the Company equal to the number of PSUs that have been earned; or (ii) deliver to Grantee a certificate representing a number of shares of Common Stock equal to the number of PSUs that have been earned. Such earned PSUs shall be paid and settled as soon as practicable following the Performance Certification Date, but in no event later than March 15 of the year following the end of the Performance Period for which the PSUs were earned. b.Total and Permanent Disability or Death. Upon the occurrence of Grantee’s termination of employment with Motorola Solutions and its Subsidiaries due to Total and Permanent Disability or death prior to the last day of the Performance Period (as described in Section 3(b) above), the PSUs that become earned pursuant to Section 3(b) shall be settled within 4NAI-1541353716v130 days of Grantee’s termination of employment due to Grantee’s Total and Permanent Disability or death. c.Certain Terminations of Employment. Upon the occurrence of Grantee’s termination of employment with Motorola Solutions and its Subsidiaries due to (i) a Divestiture (as defined in the LRIP) that occurs during the final calendar year of the Performance Period, or (ii) Grantee’s termination of employment by Motorola Solutions or a Subsidiary for reasons other than for Serious Misconduct (as defined in the LRIP) during the final calendar year of the Performance Period (each as described in Section 3(c) above), the PSUs that become earned PSUs in accordance with Section 3(c) will be payable as soon as practicable following the Performance Certification Date, based on the applicable performance criteria set forth in Appendix A, but in no event later than March 15 of the year following the end of the Performance Period for which the PSUs were earned; provided, however, that in the event that any of the events described in clauses (i) or (ii) above occurs prior to the end of the Performance Period and a Change in Control subsequently occurs after such event but prior to the end of the Performance Period, the PSUs that become earned PSUs in accordance with Section 3(c) shall be paid within 30 days of the consummation of such Change in Control. 5.Change in Control.a.Notwithstanding anything in Sections 3 and 4 of this Award to the contrary, if a Change in Control of the Company occurs prior to the end of the Performance Period, and the successor corporation (or parent thereof) does not assume this Award or replace it with an economically equivalent award, then the target number of PSUs for the Performance Period during which such Change in Control occurs shall become fully earned, assuming achievement of the applicable performance criteria at the target performance level; provided, however that, with respect to any Award that is assumed or replaced, such assumed or replaced Award shall (i) no longer be subject to any performance condition, which shall be deemed satisfied at the target performance level for such assumed or replaced Award (i.e., the Payout Factor shall be deemed to equal one (1)), and (ii) be subject only to a time-based vesting period substantially equivalent to the applicable remaining Performance Period for such award¹/₄ provided, further, that replacement awards shall be subject to accelerated vesting upon the occurrence of any of the following within 24 months following such Change in Control (or such lesser period as may remain in the Performance Period) (each a “Qualifying Termination”): (A) if Grantee’s employment is involuntarily terminated for a reason other than Cause, or (B) if Grantee resigns for Good Reason. For purposes of this paragraph, the terms “Change in Control,” “Cause,” and “Good Reason” are defined in the Omnibus Plan. In the event that Grantee’s employment is terminated for any reason prior to satisfying the time-based vesting condition, other than pursuant to a Qualifying Termination, the Award shall immediately and automatically be forfeited.b.Upon the occurrence of a Change in Control prior to the end of the Performance Period, all PSUs that become earned pursuant to Section 5(a) above by reason of the failure of the successor corporation (or parent thereof) in the Change in Control to assume this Award or replace it with an economically equivalent award shall be settled within 30 days of the consummation of the Change in Control.c.Upon the occurrence of a Change in Control prior to the end of the Performance Period and the subsequent assumption or replacement of this Award with an economically equivalent award by the successor corporation (or parent thereof) in the Change in Control, the settlement of any such assumed or replacement award that becomes payable to Grantee on account of Grantee’s Qualifying Termination shall be settled within 30 days following such Qualifying Termination.6.Whole Shares. All earned PSUs shall be paid in whole shares of Common Stock; no fractional shares shall be credited or delivered to Grantee.5NAI-1541353716v17. Adjustments. The PSUs shall be subject to adjustment as provided in Section 15 of the Omnibus Plan.8.Dividends. No dividends (or dividend equivalents) shall be paid with respect to unearned PSUs credited to Grantee’s account.9.Withholding Taxes. The Company is entitled to withhold applicable taxes for the respective tax jurisdiction attributable to this Award or any payment made in connection with the PSUs. If Grantee is not subject to Section 16 of the U.S. Securities Exchange Act of 1934, as amended (the “Exchange Act”) at the time applicable taxes are assessed, the Company, in its sole discretion, may satisfy its tax withholding responsibilities, in whole or in part, by either (a) electing to withhold a sufficient number of shares of Common Stock otherwise deliverable in connection with the applicable PSUs that are earned, the Fair Market Value of which shall be determined on the Payment Date (as such terms are defined in Section 20 below) in accordance with Section 20 below, to satisfy Grantee’s tax withholding obligation or (b) requiring Grantee to pay, by cash or certified check, the amount necessary to satisfy Grantee’s tax withholding obligation. If Grantee is subject to Section 16 of the Exchange Act at the time applicable taxes are assessed, Grantee may satisfy any withholding obligation, in whole or in part, by either (i) electing to have the Company withhold a sufficient number of shares of Common Stock otherwise deliverable in connection with the applicable PSUs that are earned, the Fair Market Value of which shall be determined on the Payment Date (as such terms are defined in Section 20 below) in accordance with Section 20 below, to satisfy Grantee’s tax withholding obligation or (ii) paying, by cash or certified check, the amount necessary to satisfy Grantee’s tax withholding obligation.10.Voting and Other Rights.a.Grantee shall have no rights as a stockholder of the Company in respect of the PSUs, including the right to vote and to receive cash dividends and other distributions until delivery of certificate or equivalent representing shares of Common Stock in satisfaction of the PSUs.b.The grant of PSUs does not confer upon Grantee any right to continue in the employ of the Company or a Subsidiary or to interfere with the right of the Company or a Subsidiary to terminate Grantee’s employment at any time.11.Funding. No assets or shares of Common Stock shall be segregated or earmarked by the Company in respect of any PSUs awarded hereunder. The grant of PSUs hereunder shall not constitute a trust and shall be solely for the purpose of recording an unsecured contractual obligation of the Company.12.Nature of Award. By accepting this agreement, Grantee acknowledges Grantee’s understanding that the grant of PSUs under this agreement is completely at the discretion of Motorola Solutions, and that Motorola Solutions’ decision to make this Award in no way implies that similar awards may be granted in the future or that Grantee has any guarantee of future employment. Nor shall this or any such grant interfere with Grantee’s right or the Company’s right to terminate such employment relationship at any time, with or without cause, to the extent permitted by applicable laws and any enforceable agreement between Grantee and the Company. Grantee’s acceptance of this Award is voluntary. The Award is not part of normal or expected compensation for purposes of calculating any severance, resignation, redundancy, end of service payments, bonuses, long-service awards, pension, or retirement benefits or similar payments, notwithstanding any provision of any compensation, insurance agreement or benefit plan to the contrary.13.Acknowledgements. With respect to the PSUs, this agreement is the entire agreement with the Company. No waiver of any breach of any provision of this agreement by the Company shall be construed to be a waiver of any succeeding breach or as a modification of such provision. The provisions of this agreement shall be severable and in the event that any provision of this agreement shall be found by any court as specified in Section 19 below to be unenforceable, in whole or in part, the remainder of this agreement shall nevertheless be enforceable and binding on the parties. Grantee hereby agrees that the court may modify any invalid, overbroad or 6NAI-1541353716v1unenforceable term of this agreement so that such term, as modified, is valid and enforceable under applicable law. Further, by accepting any Award under this agreement, Grantee affirmatively states that she or he has not, will not and cannot, rely on any representations not expressly made herein.14.Motorola Solutions Assignment Rights. Motorola Solutions shall have the right to assign this agreement, which shall not affect the validity or enforceability of this agreement. This agreement shall inure to the benefit of assigns and successors of Motorola Solutions.15.Waiver. The failure of the Company to enforce at any time any provision of this agreement shall in no way be construed to be a waiver of such provision or any other provision hereof.16.Actions by the Compensation Committee. The Compensation Committee may delegate its authority to administer this agreement consistent with applicable law. The actions and determinations of the Compensation Committee or its delegate shall be binding upon the parties.17.Consent to Transfer Personal Data. By accepting this award, Grantee voluntarily acknowledges and consents to the collection, use, processing and transfer of personal data as described in this Section. Grantee is not obliged to consent to such collection, use, processing and transfer of personal data. However, failure to provide the consent may affect Grantee’s ability to participate in the Omnibus Plan. Motorola Solutions, its Subsidiaries and Grantee’s employer hold certain personal data about Grantee, that may include his/her name, home address and telephone number, date of birth, social security number or other employee identification number, salary grade, hire date, salary, nationality, job title, any shares of stock held in Motorola Solutions, or details of all PSUs or any other entitlement to shares of stock awarded, canceled, purchased, vested, or unvested, for the exclusive purpose of managing and administering the Omnibus Plan (“Data”). Motorola Solutions and/or its Subsidiaries will transfer Data among themselves as necessary for the purpose of implementation, administration and management of Grantee’s participation in the Omnibus Plan, and Motorola Solutions and/or any of its Subsidiaries may each further transfer Data to any third parties assisting Motorola Solutions in the implementation, administration and management of the Omnibus Plan. Data also may also be shared with the Company’s information technology and human resources service providers, with its legal and professional advisors and with governmental authorities, including taxation authorities. These recipients may be located throughout the world, including the United States. Grantee understands that if Grantee resides outside the United States or in the state of California, Grantee may request a list with the names and addresses of any recipients of Data by contacting Grantee’s human resources representative. The Company has entered into written contracts with its third party service providers to process Grantee’s Data pursuant to the Company’s instructions. The Company does not sell Grantee’s Data. The Company also does not share Grantee’s Data with other recipients other than as stated in this agreement. Grantee authorizes them to receive, possess, use, retain and transfer the Data, in electronic or other form, for the purposes of implementing, administering and managing Grantee’s participation in the Omnibus Plan, including any requisite transfer of such Data as may be required for the administration of the Omnibus Plan and/or the subsequent holding of shares of stock on Grantee’s behalf to a broker or other third party with whom Grantee may elect to deposit any shares of stock acquired pursuant to the Omnibus Plan. Grantee understands that Data will be held only as long as is necessary and in accordance with applicable law to implement, administer and manage Grantee’s participation in the Omnibus Plan. Grantee understands that if Grantee resides outside the United States or in the state of California, Grantee may, at any time, review Data, request any necessary amendments or corrections to it or withdraw the consents herein in writing by contacting Motorola Solutions; however, withdrawing consent may affect Grantee’s ability to participate in the Omnibus Plan. The Company does not discriminate against Grantee for exercising Grantee’s rights with respect to Grantee’s Data. If Grantee works or resides in the state of California, Grantee acknowledges that Grantee has read the Motorola Solutions U.S. Personnel Privacy Notice available on the Motorola Solutions website at [].18.Remedies for Breach. Grantee hereby acknowledges that the harm caused to the Company by the breach or anticipated breach of Section 2(b) above will be irreparable and further agrees the Company may obtain injunctive relief against Grantee in addition to and cumulative with any other legal or equitable rights and remedies the Company may have pursuant to this agreement, 7NAI-1541353716v1any other agreements between Grantee and the Company for the protection of the Company’s Confidential Information (as defined in Section 20) or law, including the recovery of liquidated damages. Grantee agrees that any interim or final equitable relief entered by a court of competent jurisdiction, as specified in Section 19 below, will, at the request of the Company, be entered on consent and enforced by any such court having jurisdiction over Grantee. This relief would occur without prejudice to any rights either party may have to appeal from the proceedings that resulted in any grant of such relief.19.Governing Law. All questions concerning the construction, validity and interpretation of this Award shall be governed by and construed according to the law of the State of Illinois without regard to any state’s conflicts of law principles. Any disputes regarding this Award or agreement shall be brought only in the state or federal courts of Illinois.20.Definitions. Any capitalized terms used herein that are not otherwise defined below or elsewhere in this agreement shall have the same meaning provided under the LRIP and the Omnibus Plan.a.“Confidential Information” means information concerning the Company and its business that is not generally known outside the Company, and includes (i) intellectual property; (ii) the Company’s methods of operation and Company processes; (iii) information regarding the Company’s present and/or future products, developments, processes and systems, including invention disclosures and patent applications; (iv) information on customers or potential customers, including customers’ names, sales records, prices, and other terms of sales and Company cost information; (v) Company personnel data; (vi) Company business plans, marketing plans, financial data and projections; and (vii) information received in confidence by the Company from third parties. Information regarding products, services or technological innovations in development, in test marketing or being marketed or promoted in a discrete geographic region, which information the Company or one of its affiliates is considering for broader use, shall be deemed not generally known until such broader use is actually commercially implemented.b.“Fair Market Value” shall be the closing price for a share of Common Stock on the date on which any PSUs earned pursuant to this Award are paid in accordance with Section 4 above (such date, the “Payment Date”), as reported for the New York Stock Exchange Composite Index in the Wall Street Journal at www.wsj.com. In the event the New York Stock Exchange is not open for trading on the Payment Date, or if the Common Stock does not trade on such day, Fair Market Value for this purpose shall be the closing price of the Common Stock on the last trading day prior to the Payment Date.21.409A Compliance Applicable Only to Grantees Subject to U.S. Tax. Notwithstanding any provision in this Award to the contrary, if Grantee is a “specified employee” (certain officers of Motorola Solutions within the meaning of Treasury Regulation Section 1.409A-1(i) and using the identification methodology selected by Motorola Solutions from time to time) on the date of Grantee’s termination of employment, any payment which would be considered “nonqualified deferred compensation” within the meaning of Section 409A of the Internal Revenue Code of 1986, as amended (the “Code”) that Grantee is entitled to receive upon termination of employment, and which otherwise would be paid or delivered during the six month period immediately following the date of Grantee’s termination of employment, will instead be paid or delivered on the earlier of (a) the first day of the seventh month following the date of Grantee’s termination of employment and (b) Grantee’s death. For purposes of determining the time of payment or delivery of any payment Grantee is entitled to receive upon termination of employment, the determination of whether Grantee has experienced a termination of employment will be determined by Motorola Solutions in a manner consistent with the definition of “separation from service” under the default rules of Section 409A of the Code.22.Plan Documents. The Omnibus Plan and the Prospectus for the Omnibus Plan are available on the Motorola Solutions website at [] and the LRIP is available at []. If Grantee does not have access to the website, Grantee must contact Global Rewards Equity Administration, 8NAI-1541353716v1Motorola Solutions, Inc., 500 W. Monroe Street, Chicago, Illinois 60661 U.S.A. to request LRIP and/or Omnibus Plan documents.APPENDIX ARelative TSR Payout Scale*MSI 3-Year TSR Percentile RankPayout Factor**90th % 100th Percentile200.0%80th % 89.99th Percentile177.5%70th % 79.99th Percentile155.0%60th % 69.99th Percentile132.5%55th % 59.99th Percentile110.0%50th % 54.99th Percentile90.0%45th % 44.99th Percentile80.0%35th % 44.99th Percentile50.0%30th % 34.99th Percentile30.0%< 30.00th Percentile0.0%“Relative TSR” means the Company’s total stockholder return performance (i.e., (Ending Stock Price – Beginning Stock Price) divided by Beginning Stock Price)

relative to the companies listed in the S&P 500 at the beginning of the Performance Period. Beginning Stock Price means the daily average stock price during the three months immediately preceding the first day of Performance Period. Ending Stock Price means the daily average stock price during the three months immediately preceding the last day of the Performance Period, with all dividends deemed reinvested. The Compensation Committee reserves the right to reduce the payout, in its discretion, if the Company's TSR performance during the Performance Period is negative. 9NAI-1541353716v1 EX-19 3 exhibit19motorolasolutions.htm EX-19 DocumentExhibit 19INSIDER TRADING PROHIBITIONS POLICY Effective Date: November 14, 2024PURPOSEThe purpose of this Insider Trading Prohibitions Policy (this Policy) is to state prohibitions against using inside information acquired through your employment or association with Motorola Solutions, Inc. (Motorola Solutions or the Company) to engage in transactions in Company securities, to engage in transactions in securities of other companies, or to aid others to do either, and to promote compliance with insider trading laws, rules, and regulations. We expect you to comply with U.S. federal and state securities laws and any applicable local laws governing your transactions in securities. SCOPETHis Policy applies to the Company's elected officers who are named by the Board of Directors of the Company (the Board) as Section 16 Officers, elected officers who are not Section 16 Officers, appointed Vice Presidents, members of the Board and to all other employees of the Company and its subsidiaries worldwide. Additionally, this Policy applies to contractors and consultants of the Company and its subsidiaries worldwide who have access to inside information. A person to which this Policy applies is referred to throughout this Policy using words such as you, your, and yourself. This Policy also applies to related parties. CONTENTS1. KEY TERMS1.1. Inside Information Inside information is material information which has not yet been disclosed generally to the marketplace (i.e., non-public) that, if known, would affect a reasonable investor's decision to buy, sell or hold securities or the market value of those securities. Information is also considered inside information if the disclosure of the information would be viewed by a reasonable investor as having significantly altered the total mix of information made available. Both positive and negative information can be material. Some examples of inside information that are likely to affect trading in securities when announced include: information about earnings and changes in earnings or competitive position; information on expected announcements about large contracts, potential mergers, acquisitions, tender offers, divestitures, joint ventures, strategic alliances or other material transactions; a company's restructuring; a significant related party transactions; a change in dividend policy, the declaration of stock splits, an offering of additional securities, or other transactions related to such securities; financing transactions out of the ordinary course; significant management changes; a change in auditors or notification that the auditor's reports may no longer be relied upon; impending bankruptcy or the existence of severe liquidity problems or financial distress; the gain or loss of a significant customer or supplier; pending or threatened significant litigation or the resolution of such litigation; significant government investigations or threatened or actual regulatory actions or proceedings; a significant cybersecurity incident; or the imposition of an event-specific closed-trading window in the Company's securities or the securities of another company. A Note that it is not possible to define all categories of inside information; therefore, this list is merely illustrative and not exhaustive. A In order to establish that the information has been disclosed generally to the marketplace, it may be necessary to demonstrate that the information has been widely disseminated (such as through the issuance of a widely disseminated press release, a publicly accessible webcast or conference call for which there has been adequate advance public notice, or a public disclosure document such as a Current Report on Form 8-K filed with or furnished to the Securities and Exchange Commission). Once information is widely disseminated, it is still necessary to provide the marketplace with sufficient time to absorb the information. As a general rule, information should not be considered fully absorbed by the marketplace until after the first business day after the day on which the information is released. A A Anyone who has inside information is considered to be an insider. 1.2. Insider Trading Compliance Officer The lead securities counsel of the Company or their designee will serve as the Insider Trading Compliance Officer for the purposes of this Policy, and in their absence, another employee designated by the General Counsel will be responsible for the administration of this Policy. 1.3. Related Parties Related parties include: family members who reside with you (including a spouse, a child, a child away at college, stepchildren, grandchildren, parents, stepparents, grandparents, siblings and in-laws); anyone else who lives in your household; any family members who do not live in your household but whose transactions in securities are directed by you or are subject to your influence or control, such as parents or children who consult with you before they engage in any transaction in securities; and any entities that you influence or control, including any corporations, partnerships, limited liability companies or trusts. 1.4. Securities Securities are common stock, options to purchase common stock or any other type of securities that a company may issue, including (but not limited to) preferred stock, convertible debentures, senior notes and warrants, as well as derivative securities that are not issued by such company, such as exchange-traded put or call options or swaps relating to that company's common stock. 1.5. Tipping Tipping is the act of providing inside information to a third party (including related parties, i.e., a tippee). You, as a tipper, could be held criminally liable under federal law if you provide inside information to a tippee but do not actually engage in the transaction in securities. Tippees inherit the tipper's duties and may be liable for trading on inside information illegally tipped to them by such tipper. 1.6. Transactions in Securities Transactions in securities include purchases, sales, gifts or other transfers of securities, including through a broker, discount broker, or on the internet. 2. STATEMENT OF POLICY 2.1. Federal Securities Law Prohibition: The Securities Exchange Act of 1934 and Rules 10b-5 and 10b5-1 promulgated thereunder prohibit trading in securities on the basis of (i.e., while aware of) inside information. The purpose of this prohibition is to keep insiders (as explained later in this Section 2.1) from exploiting information not available to the public for their own gain. Under these laws, individuals are prohibited from buying or selling a company's securities (or tipping or recommending to others to do so), in breach of a duty or other relationship of trust and confidence, while in possession of inside information. You expose yourself and the Company to civil and criminal liability if you or your related parties engage in transactions in securities while you possess inside information gained through your work at the Company or if you provide others with inside information for use in transactions in securities. The person who has the inside information is an insider and can be liable as an insider if they engage in a transaction in securities, or as a tipper for tipping another person about inside information if that person engages in a transaction in securities. 2.2. Policy Statements: It is the policy of the Company that: 2.2.01 While aware of inside information relating to the Company, you will not, directly or indirectly, engage in transactions in Company securities, except as otherwise specified in this Policy in Section 2.6; Recommend that others engage in transactions in Company securities; engage in tipping, or otherwise disclose inside information to any person, other than those persons within the Company or third party agents of the Company whose positions require them to know such information; Assist anyone engaged in the above activities. 2.2.02 You will not, directly or indirectly, engage in transactions in securities of another company (including, but not limited to, a company with which the Company does business or that is involved in a potential transaction or business relationship with the Company) or take any of the actions prohibited by Section 2.2.01 with respect to such company, at any time during which, due to your employment or association with the Company, you have gained inside information about such company or gained inside information that could affect the share price of such company. 2.2.03 You are responsible for transactions in Company securities by related parties and therefore should make such related parties aware of the need to confer with you before they engage in a transaction in Company securities, as all such transactions should be treated as if the transactions were for your own account. 2.3. Closed Trading Windows: Other than as specified in this Policy: Elected officers and appointed Vice Presidents may not engage in a transaction in Company securities starting the 1st day of each quarter (generally around April 1, July 1, October 1 and January 1) and ending at the close of business on the first business day following the date of the public release of earnings for the respective prior quarter or at such other times as notified by the Insider Trading Compliance Officer. Section 16 officers and members of the Board may not engage in a transaction in Company securities starting the 15th day of the last month of each quarter (March 15, June 15, September 15 and December 15) and ending at the close of business on the first business day following the date of the public release of earnings of the respective prior quarter or at such other times as notified by the Insider Trading Compliance Officer. Event-Specific Closed Trading Window From time to time, a material non-public event may occur that, in the judgment of the Insider Trading Compliance Officer, requires the establishment of a closed trading window. So long as the event remains material and non-public, the persons designated by the Insider Trading Compliance Officer may not engage in transactions in Company securities. 2.4. Pre-Clearance Requirement Section 16 officers and members of the Board are required to obtain pre-approval from the Insider Trading Compliance Officer for all transactions (which, for the avoidance of doubt, includes purchases, sales, gifts or other transfers of Company securities) in Company securities that are not executed pursuant to a 10b5-1 trading plan (described in Section 2.6 below). A request for pre-approval should be submitted to the Insider Trading Compliance Officer at least two business days in advance of the proposed transaction. If a proposed transaction receives pre-approval, the pre-approved transaction must be effected within 72 hours of receipt of the pre-approval. If the person becomes aware of inside information before the transaction is executed, the pre-approval is void and the transaction must be stopped. Transactions not effected within the time limit become subject to pre-approval again. If a person's pre-approval request or permission to engage in the transaction is denied, then he or she must refrain from initiating any transaction in Motorola Solutions securities, and should not inform any other person of the denial, except as necessary to void any transaction that was previously approved and for which the transaction has not been completed. 2.5. Policy Re: Engaging in Hedging Transactions, and Trading on Margin or Pledging of Company Securities It is the Company's policy that the members of the Board, all elected officers, appointed Vice Presidents, and such other persons designated in writing by the Insider Trading Compliance Officer are prohibited from: Engaging in hedging transactions involving Company securities. Such prohibition applies to engaging in derivative transactions relating to Company securities (other than, for the avoidance of doubt, holding stock options delivered directly to employees by the Company under Motorola Solutions' option and incentive plans), such as transactions in exchange-traded options to purchase or sell Company securities, or purchasing any other financial instruments that are designed to hedge or offset any decrease in the market value of Company securities (such as prepaid variable forward contracts, equity swaps, collars or exchange funds). Such prohibition also applies to engaging in short sales of Company securities, which are sales of a security that the seller does not own at the time of the trade. Holding Company securities in a margin account or pledging Company securities as collateral for a loan. Securities held in a margin account or pledged as collateral for a loan may be sold without the person's consent by a broker if the person fails to meet a margin call or by a lender in foreclosure if the person defaults on the loan. A margin or foreclosure sale that occurs when the person is aware of inside information may, under some circumstances, result in unlawful insider trading. Because of this danger, such individuals may not hold Company securities in a margin account nor pledge Company securities as collateral for a loan. 2.6. Transactions Under Company Plans Certain transactions under Company stock plans are subject to this Policy: Stock Option Exercises This Policy applies to any sale of stock acquired when an option is exercised. The sale of shares typically occurs in what is called a broker-assisted cashless exercise. The broker sells stock on the option holder's behalf to satisfy the option exercise price. This Policy does not apply to the exercise of an employee stock option when shares are held and not sold, or when shares are withheld to satisfy tax-withholding obligations. These two transactions do not result in the sale of shares of stock Restricted Stock Units (RSUs) This Policy applies to any sale of stock following the vesting of RSUs. This Policy does not apply, however, to the grant of RSUs or to the Company's withholding of shares to satisfy certain tax obligations. Retirement Accounts This Policy applies to transfers to and among retirement accounts, other than transfers among such accounts that do not have tax or other economic consequence or result in a change in your ownership or voting power. Employee Stock Purchase Plan (ESPP) This Policy applies to any sales of Company stock purchased pursuant to the ESPP plan. This Policy does not apply to enrollment in or purchases of Company stock in the ESPP resulting from your periodic contribution of money to the plan and the purchase of shares at the end of the period pursuant to the election you made at the time of your enrollment in the plan. Dividend Reinvestment Plan This Policy applies to voluntary purchases of Company stock resulting from additional contributions you choose to make to any Company dividend reinvestment plan, and to your election to participate in that plan or increase your level of participation in that plan. This Policy also applies to your sale of any Company stock purchased pursuant to the Company's dividend reinvestment plan. This Policy does not apply to purchases of Company stock under the Company's dividend reinvestment plan resulting from your reinvestment of dividends paid on Company securities. 10b5-1 Trading Plan This Policy does allow individuals to establish a periodic stock trading plan, commonly called a 10b5-1 trading plan, under Rule 10b5-1 of the Securities Exchange Act of 1934. However, you must ensure that you enter into the 10b5-1 trading plan at a time when you could otherwise engage in a transaction in Company securities under this Policy. The plan must also be compliant with all of the legal requirements necessary to make it a 10b5-1 trading plan, including compliance with the requisite cooling off or waiting period between the effectiveness of the trading plan and the date of the first transaction thereunder. The form of each 10b5-1 trading plan must be reviewed and approved by the Insider Trading Compliance Officer. Because you would no longer have discretion over a transaction executed pursuant to a 10b5-1 trading plan adopted in accordance with this Policy, such a transaction is not subject to the prohibition on trading while in possession of inside information and is exempt from the closed trading window restrictions and the pre-clearance requirements. To enter into a 10b5-1 trading plan, please consult your broker and follow the approval requirements noted above. 2.7. Expert Networking and other Consulting Opportunities Consulting firms of various kinds and commercial enterprises known as expert networks can offer cash compensation or other items of value (meals, entertainment, investment information, etc.) to employees and/or former employees who share information about the Company, industry standards, general technological developments, or other general business information. Those firms, in turn, may use or sell the information to investment funds and other potential investors. On occasion, law firms establish consulting arrangements with employees or former employees to obtain information that may be used in connection with litigation matters. Each of these situations creates a significant risk that the information may lead to the misuse of inside information by investors and could be considered unlawful tipping. Even if not inside information, the information still may be confidential proprietary information that should not be disclosed to third parties. For these reasons, before sharing any information or accepting any compensation or anything of value from such outside firms, employees and former employees must (1) inquire of the outside firm the purpose for which the information is sought and with whom the outside firm may share the information and (2) obtain prior written authorization from each of the Insider Trading Compliance Officer and, as applicable, the Law Department's lead Commercial Attorney, lead Supply Chain Attorney or lead IP Attorney on the General Counsel's staff. The above restrictions do not apply to Company-sponsored arrangements that are conducted under contract between Motorola Solutions and outside consulting or industry analyst firms. 3. ROLES & RESPONSIBILITIES 3.1. This Policy continues to apply to transactions covered by this Policy by former employees and members of the Board even after termination of service to the Company. If an individual is in possession of inside information when his or her service terminates, that individual may not engage in a transaction covered by this Policy until that information is publicly available or is no longer material. The pre-clearance procedures specified in Section 2.4, however, will cease to apply to such transactions upon the expiration of any closed trading window or other Company-imposed trading restrictions applicable at the time of the termination of service. 3.2. Failure to comply with this Policy may be a violation of Motorola Solutions' Code of Business Conduct and could be a basis for disciplinary action that may include termination of employment. In some cases, individual civil or criminal penalties may also apply. 3.3. All questions regarding this Policy should be directed to the Insider Trading Compliance Officer or their designee. 3.4. In all cases, the responsibility for determining whether a person is in possession of inside information rests with that individual. Any action on the part of the Company, the Insider Trading Compliance Officer or any other employee or members of the Board pursuant to this Policy (or otherwise) does not, in any way, constitute legal advice, relieve an individual of their own obligation to refrain from trading while in possession of inside information, or insulate an individual from liability under applicable securities laws. Individuals are required to report violations, or suspected violations, of this Policy to their supervisor, the Insider Trading Compliance Officer, the Office of Ethics, or a Business Conduct Champion. 8 EX-21 4 msx212024.htm EX-21 DocumentMOTOROLA SOLUTIONS, INC. LISTING OF MAJOR SUBSIDIARIES 2/7/2025 EXHIBIT 21 Motorola Solutions Australia Pty. Limited Australia Noggin Pty Limited Australia Motorola Solutions Ltda. Brazil Motorola Solutions Connectivity, Inc. California, U.S. Avigilon Corporation Canada Motorola Solutions Canada Inc. Canada Quorum II S.A. Chile Advance Convergence Group, Inc. Delaware, U.S. Avigilon USA Corporation Delaware, U.S. SAVO USA Holding 2 Corporation Delaware, U.S. Envysion, Inc. Delaware, U.S. Kodiak Networks, Inc. Delaware, U.S. Motorola International Network Ventures, Inc. Delaware, U.S. Motorola Solutions Credit Company LLC Delaware, U.S. Motorola Solutions Funding Corporation Delaware, U.S. Motorola Solutions Video Manufacturing, Inc. Delaware, U.S. Network Ventures I, Inc. Delaware, U.S. Openpath Security Inc. Delaware, U.S. Pelco, Inc. Delaware, U.S. Rave Wireless, Inc. Delaware, U.S. VaaS International Holdings, Inc. Delaware, U.S. Vigilant Solutions, LLC Delaware, U.S. WatchGuard Video, Inc. Delaware, U.S. Airwave Solutions Limited England and Wales Ava Security Limited England and Wales Guardian Digital Communications Limited England and Wales Motorola Solutions International Holding Limited England and Wales Motorola Solutions UK Acquisition Company Limited England and Wales Motorola Solutions UK Holding One Limited England and Wales Motorola Solutions UK Holding Two Limited England and Wales Motorola Solutions UK Holdings LP England and Wales Motorola Solutions UK Limited England and Wales Motorola Solutions UK One LP England and Wales Motorola Solutions Germany

GmbhGermanyMYConnect, Inc.Illinois, U.S.Tetra Ireland Communications LimitedIrelandMotorola Solutions Israel LimitedIsraelMotorola Solutions Malaysia Sdn. Bhd.MalaysiaIPVideo CorporationNew York, U.S.Avtex, LLCSouth Carolina, U.S.Secure Collateral Management, LLCTexas, U.S.Twisted Pair Solutions, Inc.Washington, U.S. EX-23.1 5 msieX2312024.htm EX-23.1 DocumentExhibit 23.1CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRMWe hereby consent to the incorporation by reference in the Registration Statements on Form S-8 (Nos. 333-53120, 333-123879, 333-133736, 333-142845, 333-204324, 333-265096, and 333-265097) and Form S-3 (Nos. 333-277316) of Motorola Solutions, Inc. of our report dated February14, 2025 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in this Form 10-K./s/ PricewaterhouseCoopers LLP Chicago, IllinoisFebruary14, 2025 EX-31.1 6 msieX311202410-k.htm EX-31.1 DocumentExhibit 31.1CERTIFICATIONI, Gregory Q. Brown, Chairman and Chief Executive Officer, Motorola Solutions, Inc., certify that:1.Â Â Â I have reviewed this annual report on Form 10-K of Motorola Solutions, Inc.;2.Â Â Â Â Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Â Â Â Â Based on my knowledge, the financial statements, and other financial information included in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.Â Â Â The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: (a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and (d)Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and 5.Â Â Â The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and (b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.Date: February14, 2025/s/ GREGORY Q. BROWNGregory Q. BrownChairman and Chief Executive OfficerMotorola Solutions, Inc. EX-31.2 7 msieX312202410-k.htm EX-31.2 DocumentExhibit 31.2CERTIFICATIONI, Jason J. Winkler, Executive Vice President and Chief Financial Officer, Motorola Solutions, Inc., certify that:1.Â Â Â I have reviewed this annual report on Form 10-K of Motorola Solutions, Inc.;2.Â Â Â Â Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;3.Â Â Â Â Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;4.Â Â Â The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: (a)Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;(b)Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;(c)Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and (d)Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and 5.Â Â Â The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):(a)All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and (b)Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.Date: February14, 2025/s/ JASON J. WINKLERJason J. WinklerExecutive Vice President and Chief Financial OfficerMotorola Solutions, Inc. EX-32.1 8 msieX321202410-k.htm EX-32.1 DocumentExhibit 32.1CERTIFICATIONI, Gregory Q. Brown, Chairman and Chief Executive Officer, Motorola Solutions, Inc., certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (âSection 906â), that, to my knowledge:(1)the annual report on Form 10-K for the period ended December31, 2024 (the âAnnual Reportâ), which this statement accompanies fully complies with the requirements of Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934; and (2)the information contained in the Annual Report fairly presents, in all material respects, the financial condition and results of operations of Motorola Solutions, Inc.This certificate is being furnished solely for purposes of Section 906. Dated: February14, 2025/s/ GREGORY Q. BROWNGregory Q. BrownChairman and Chief Executive OfficerMotorola Solutions, Inc. EX-32.2 9 msieX32202410-k.htm EX-32.2 DocumentExhibit 32.2CERTIFICATIONI, Jason J. Winkler, Executive Vice President and Chief Financial Officer, Motorola Solutions, Inc., certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 (âSection 906â), that, to my knowledge:(1)the annual report on Form 10-K for the period ended December31, 2024 (the âAnnual Reportâ), which this statement accompanies fully complies with the requirements of Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934; and (2)the information contained in the Annual Report fairly presents, in all material respects, the financial condition and results of operations of Motorola Solutions, Inc.This certificate is being furnished solely for purposes of Section 906. Dated: February14, 2025/s/ JASON J. WINKLERJason J. WinklerExecutive Vice President and Chief Financial OfficerMotorola Solutions, Inc. EX-101.SCH 10 msi-20241231.xsd XBRL TAXONOMY EXTENSION SCHEMA DOCUMENT 0000001 - Document - Cover Page link:presentationLink link:calculationLink link:definitionLink 00000002 - Document - Audit Information link:presentationLink link:calculationLink link:definitionLink 9952151 - Statement - Consolidated Statements of Operations link:presentationLink link:calculationLink link:definitionLink 9952152 - Statement - Consolidated Statements of Comprehensive Income (Loss) link:presentationLink link:calculationLink link:definitionLink 9952153 - Statement - Consolidated Balance Sheets link:presentationLink link:calculationLink link:definitionLink 9952154 - Statement - Consolidated Balance Sheets (Parenthetical) link:presentationLink link:calculationLink link:definitionLink 9952155 - Statement - Consolidated Statements of Stockholders' Equity link:presentationLink link:calculationLink link:definitionLink 9952156 - Statement - Consolidated Statements of Cash Flows link:presentationLink link:calculationLink link:definitionLink 9952157 - 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Disclosure - Revenue from Contracts with Customers - Remaining Performance Obligation (Details) link:presentationLink link:calculationLink link:definitionLink 995530 - Disclosure - Revenue from Contracts with Customers - Schedule of Contract Balances (Details) link:presentationLink link:calculationLink link:definitionLink 995531 - Disclosure - Revenue from Contracts with Customers - Contract Balances (Details) link:presentationLink link:calculationLink link:definitionLink 995532 - Disclosure - Revenue from Contracts with Customers - Schedule of Contract Cost Assets (Details) link:presentationLink link:calculationLink link:definitionLink 995533 - Disclosure - Revenue from Contracts with Customers - Contract Cost Balances (Details) link:presentationLink link:calculationLink link:definitionLink 995534 - Disclosure - Leases - Operating Expenses (Details) link:presentationLink link:calculationLink link:definitionLink 995535 - Disclosure - Leases - Assets and Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 995536 - 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Disclosure - Income Taxes - Earnings From Continuing Operations Before Income Taxes (Details) link:presentationLink link:calculationLink link:definitionLink 995566 - Disclosure - Income Taxes - Income Tax Expense (Benefit) (Details) link:presentationLink link:calculationLink link:definitionLink 995567 - Disclosure - Income Taxes - Federal Statutory Tax Rate and Income Tax Expense (Details) link:presentationLink link:calculationLink link:definitionLink 995568 - Disclosure - Income Taxes - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 995569 - Disclosure - Income Taxes - Components of Deferred Tax Assets and Liabilities (Details) link:presentationLink link:calculationLink link:definitionLink 995570 - Disclosure - Income Taxes - Summary of Tax Credit Carryforwards (Details) link:presentationLink link:calculationLink link:definitionLink 995571 - Disclosure - Income Taxes - Unrecognized Tax Benefits, Including Attributable to Discontinued Operations (Details) link:presentationLink link:calculationLink link:definitionLink 995572 - 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link:calculationLink link:definitionLink 9955588 - Disclosure - Fair Value Measurements - Non-U.S. Pension Benefit Plans (Details) link:presentationLink link:calculationLink link:definitionLink 9955589 - Disclosure - Fair Value Measurements - Postretirement Health Care Plan (Details) link:presentationLink link:calculationLink link:definitionLink 9955590 - Disclosure - Fair Value Measurements - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9955591 - Disclosure - Long-term Financing and Sales of Receivables - Summary (Details) link:presentationLink link:calculationLink link:definitionLink 9955591 - Disclosure - Long-term Financing and Sales of Receivables - Summary (Details) link:presentationLink link:calculationLink link:definitionLink 9955592 - Disclosure - Long-term Financing and Sales of Receivables - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9955593 - Disclosure - Long-term 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Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955599 - Disclosure - Information by Segment and Geographic Region - Geographic Area Information (Details) link:presentationLink link:calculationLink link:definitionLink 9955600 - Disclosure - Reorganization of Businesses - Additional Information (Details) link:presentationLink link:calculationLink link:definitionLink 9955601 - Disclosure - Reorganization of Businesses - Net Charges Incurred by Business Segment (Details) link:presentationLink link:calculationLink link:definitionLink 9955602 - Disclosure - Reorganization of Businesses - Reorganization of Businesses Accruals (Details) link:presentationLink link:calculationLink link:definitionLink 9955603 - Disclosure - Intangible Assets and Goodwill - Recent Acquisitions (Details) link:presentationLink link:calculationLink link:definitionLink 9955604 - Disclosure - Intangible Assets and Goodwill - Intangible Assets (Details) link:presentationLink link:calculationLink link:definitionLink 9955605 - Disclosure - Intangible Assets and Goodwill - Amortized Intangible Assets, Excluding Goodwill, by Business Segment (Details) link:presentationLink link:calculationLink link:definitionLink 9955606 - Disclosure - Intangible Assets and Goodwill - Carrying Amount of Goodwill (Details) link:presentationLink link:calculationLink link:definitionLink 9955607 - Disclosure - Valuation and Qualifying Accounts (Details) link:presentationLink link:calculationLink link:definitionLink EX-101.CAL 11 msi-20241231_cal.xml XBRL TAXONOMY EXTENSION CALCULATION LINKBASE DOCUMENT EX-101.DEF 12 msi-20241231_def.xml XBRL TAXONOMY EXTENSION DEFINITION LINKBASE DOCUMENT EX-101.LAB 13 msi-20241231_lab.xml XBRL TAXONOMY EXTENSION LABEL LINKBASE DOCUMENT Amount Lessee, Operating Lease, Liability, to be Paid, Fiscal Year Maturity [Abstract] 2026 Defined Benefit Plan, Expected Future Benefit Payment, Year Two Adjustments to reconcile Net earnings to Net cash provided by operating activities: Adjustments to Reconcile Net Income (Loss) to Cash Provided by (Used in) Operating Activities [Abstract] Repayment of debt Repayments of Long-Term Debt Finite-Lived Intangible Assets, Future Amortization Expense Finite-Lived Intangible Assets, Net, Amortization Expense, Fiscal Year Maturity [Abstract] Share repurchase program, available for repurchases Share Repurchase Program, Remaining Authorized, Amount Income tax expense at statutory rate Effective Income Tax Rate Reconciliation at Federal Statutory Income Tax Rate, Amount Cover [Abstract] Cover [Abstract] Amortization period of prior service cost Pension And Other Postretirement Benefit Plans, Accumulated Other Comprehensive Income (Loss), Net Prior Service Cost Credit, Amortization Period Pension And Other Postretirement Benefit Plans, Accumulated Other Comprehensive Income (Loss), Net Prior Service Cost Credit, Amortization Period Thereafter Lessee, Operating Lease, Liability, to be Paid, after Year Five Net increase (decrease) in cash and cash equivalents Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Period Increase (Decrease), Including Exchange Rate Effect Future Lease Payments, Operating Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block] Non U.S. Foreign Plan [Member] 2.3% senior notes due 2030 2.3% Senior Notes Due 2030 [Member] 2.3% Senior Notes Due 2030 Inventory Deferred Tax Assets, Inventory Renewal term or lease contract Lessee, Lease, Renewal Term Lessee, Lease, Renewal Term Trading Symbol Trading Symbol Fair value adjustments to equity investments Equity Securities, FV-NI, Realized Gain (Loss) Comprehensive income Comprehensive Income (Loss), Net of Tax, Including Portion Attributable to Noncontrolling Interest Share-based compensation fair value Business Combination, Consideration Transferred, Share-Based Compensation Business Combination, Consideration Transferred, Share-Based Compensation October 1st through March 31st October First Through March Thirty First [Member] October First Through March Thirty First [Member] Fair value of derivative assets Derivative assets Derivative Asset, Subject to Master Netting Arrangement, before Offset Non-NEOs Non-NEOs [Member] Tax benefit Share-Based Payment Arrangement, Expense, Tax Benefit Accounts payable, accrued liabilities, and contract liabilities Increase (Decrease) In Accounts Payable And Accrued Liabilities And Contract With Customer, Liability Increase (Decrease) In Accounts Payable And Accrued Liabilities And Contract With Customer, Liability Dividends declared per share (USD per share) Common Stock, Dividends, Per Share, Declared 2027 Defined Benefit Plan, Expected Future Benefit Payment, Year Three Summary of Tax Credit Carryforwards Summary of Tax Credit Carryforwards [Table Text Block] Less allowance for credit losses Accounts Receivable, Allowance for Credit Loss, Current Position [Axis] Position [Axis] Dividends paid to noncontrolling interest in subsidiary common stock Noncontrolling Interest, Decrease from Distributions to Noncontrolling Interest Holders Other Charges (Income) Other Charges [Table Text Block] Other Charges [Table Text Block] - Table Text block for the break-up of other charges charged to earnings, Indirect Sales Channel, Through Intermediary [Member] Line of Credit Facility [Table] Line of Credit Facility [Table] Short-term investment funds Short-Term Investments [Member] Earnings Per Share Earnings Per Share, Policy [Policy Text Block] Inventories Inventory, Policy [Policy Text Block] Non-Rule 10b5-1 Arrangement Adopted Non-Rule 10b5-1 Arrangement Adopted [Flag] Company-owned life insurance policies Cash Surrender Value of Life Insurance Hedging Relationship [Domain] Hedging Relationship [Domain] Fair Value Measurements Fair Value Disclosures [Text Block] Land Land [Member] Award Timing Disclosures [Line Items] Net Investment Hedging Net Investment Hedging [Member] Financial Asset, Period Past Due [Axis] Financial Asset, Aging [Axis] Net settlement loss Derivative, Gain (Loss) on Derivative, Net Portion at Fair Value Measurement Portion at Fair Value Measurement [Member] Share-based Payment Arrangement, Option, Exercise Price Range [Table] Share-Based Payment Arrangement, Option, Exercise Price Range [Table] 6.5% debentures due 2025 6.5% Debentures Due 2025 [Member] 6.5% Debentures Due 2025 [Member] Total payments expected in 2026 Purchase Obligation, to be Paid, Year Two Financing Net Cash Provided by (Used in) Financing Activities, Continuing Operations [Abstract] Pre-judgement interest amount Litigation Settlement, Amount Awarded from Other Party, Pre-Judgement Interest Litigation Settlement, Amount Awarded from Other Party, Pre-Judgement Interest Revenue from Contract with Customer [Abstract] Revenue from Contract with Customer [Abstract] SEC Schedule, 12-09, Valuation Allowances and Reserves Type [Axis] SEC Schedule, 12-09, Valuation Allowances and Reserves Type [Axis] Attorneys' fees Litigation Settlement, Amount Awarded From Other Party, Attorneys' Fees Litigation Settlement, Amount Awarded From Other Party, Attorneys' Fees Plan Name [Domain] Plan Name [Domain] UNITED STATES United States UNITED STATES Inventory, Net [Abstract] Inventory, Net [Abstract] \$101-\$200 Exercise Price Range, \$101 to \$200 [Member] Exercise Price Range, \$101 to \$200 6.625% senior notes due 2037 6.625% Senior Notes Due 2037 [Member] 6.625% Senior Notes Due 2037 [Member] Other assets Other assets Other Assets, Noncurrent Leases [Abstract] Leases [Abstract] Gross Carrying Amount Finite-Lived Intangible Assets, Gross Expected Future Service Benefits Payments Schedule Of Expected Future Service Benefit Payments [Table Text Block] Schedule Of Expected Future Service Benefit Payments [Table Text Block] Antidilutive Securities, Name [Domain] Antidilutive Securities, Name [Domain] Effective Income Tax Rate Reconciliation, Percent [Abstract] Effective Income Tax Rate Reconciliation, Percent [Abstract] Non-current contract cost assets Capitalized Contract Cost, Net, Noncurrent Class of Financing Receivable [Domain] Class of Financing Receivable [Domain] Performance restructuring reclassification period Long-term Receivables, Performance Restructuring Reclassification Period Long-term Receivables, Performance Restructuring Reclassification Period Net cash provided by operating activities Net Cash Provided by (Used in) Operating Activities Changes in Accumulated Other Comprehensive Loss Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block] Capitalized items Deferred Tax Assets, Property, Plant and Equipment Hytera Litigation Hytera Litigation [Member] Hytera Litigation Employee Service Share-based Compensation, Allocation of Recognized Period Costs [Line Items] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Line Items] Award Timing Method Award Timing Method [Text Block] Net periodic pension cost Net periodic cost (benefit) Defined Benefit Plan, Net Periodic Benefit Cost (Credit) Trading Arrangements, by Individual Trading Arrangements, by Individual [Table] Restructuring Type [Axis] Restructuring Type [Axis] Acquired Finite-Lived Intangible Assets [Line Items] Acquired Finite-Lived Intangible Assets [Line Items] Measurement Frequency [Axis] Measurement Frequency [Axis] Entity Common Stock, Shares Outstanding Entity Common Stock, Shares Outstanding Environmental Liabilities Environmental Costs, Policy [Policy Text Block] Insider Trading Policies and Procedures [Line Items] Use of Estimates Use of Estimates, Policy [Policy Text Block] Purchase under ESPP lower than fair market value, percentage Share-Based Compensation Arrangement by Share-Based Payment Award, Discount from Market Price, Offering Date Adjustment to Compensation, Amount Adjustment to Compensation Amount Additional paid-in capital Additional Paid in Capital, Common Stock Compensation Amount Outstanding Recovery Compensation Amount Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table Aggregate Change in Present Value of Accumulated Benefit for All Pension Plans Reported in Summary Compensation Table [Member] Entity Small Business Entity Small Business Performance Options Performance Options [Member] Performance Options [Member] Company Selected Measure Amount Company Selected Measure Amount Tabular List, Table Tabular List [Table Text Block] Level 3 Fair Value, Inputs, Level 3 [Member] Used SEC Schedule, 12-09, Valuation Allowances and Reserves, Deduction Share-based Compensation Arrangement by Share-based Payment Award [Line Items] Share-Based Compensation Arrangement by Share-Based Payment Award [Line Items] Investment return assumption Defined Benefit Plan, Assumptions Used Calculating Net Periodic Benefit Cost, Expected Long-Term Rate of Return on Plan Assets Other Assets Schedule of Other Assets, Noncurrent [Table Text Block] Amortization of: Defined Benefit Plan, Net Periodic Benefit Cost (Credit), Gain (Loss) Due to Settlement and Curtailment [Abstract] Accrued liabilities Accrued liabilities Accrued Liabilities, Current Stock options excluded from computation of dilutive shares due to antidilutive nature (in shares) Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount Impairment of Long-Lived Assets Impairment or Disposal of Long-Lived Assets, Policy [Policy Text Block] Credit Facility [Domain] Credit Facility [Domain] Commitments to provide long-term financing Long-term Financing The amount of outstanding commitments to provide long-term financing to third parties. Non-current assets held for disposition Disposal Group, Including Discontinued Operation, Assets, Noncurrent Goodwill Beginning balance Ending balance Goodwill Remaining performance obligations removed Revenue, Remaining Performance Obligation Removed, Amount Revenue, Remaining Performance Obligation Removed, Amount Other comprehensive income (loss), net of tax (Note 4): Other Comprehensive Income (Loss), Net of Tax [Abstract] Government fixed income securities Fixed Income Securities, Government [Member] Fixed Income Securities, Government [Member] Stock repurchase program, authorized amount Share Repurchase Program, Authorized, Amount State tax losses State Tax Losses [Member] State Tax Losses [Member] Fixed income securities Fixed Income Securities [Member] Stock Options Employee Stock Option Share-Based Payment Arrangement, Option [Member] Forward points recognized Foreign Exchange Forward [Member] Depreciation expense Depreciation Expense Depreciation 2025 Lessee, Operating Lease, Liability, to be Paid, Year One Stock Options and Stock Appreciation Rights Stock Options And Stock Appreciation Rights [Member] Stock Options And Stock Appreciation Rights [Member] Antidilutive Security, Excluded EPS Calculation [Table] Antidilutive Security, Excluded EPS Calculation [Table] Comprehensive income attributable to Motorola Solutions, Inc. Comprehensive Income (Loss), Net of Tax, Attributable to Parent Pension Benefit Plans All Pension Benefit Plans Pension Plan [Member] Tax liabilities Accrued Income Taxes, Current Number of purchase periods per year Employee Stock Purchase Plan, Number of Purchase Periods Employee Stock Purchase Plan, Number of Purchase Periods Other tax expense (benefit) Effective Income Tax Rate Reconciliation, Other Adjustments, Percent Net Charges Incurred by Business Segment Restructuring and Related Activities Reportable Segment [Table Text Block] Disclosure of the net charges in restructuring reserves by business segment during the period. Award Type [Axis] Award Type [Axis] Stock Options Outstanding and Exercisable Share-Based Payment Arrangement, Option, Exercise Price Range [Table Text Block] Foreign currency translation Goodwill, Foreign Currency Translation Gain (Loss) Motorola Incentive Plan Motorola Incentive Plan [Member] Motorola Incentive Plan [Member] Basic earnings per common share: Earnings Per Share, Basic [Abstract] ASU 2020-06 modified retrospective adoption Cumulative Effect, Period of Adoption, Adjustment [Member] Inventories, gross Inventory, Gross Settlement cost Litigation Settlement, Amount Awarded From Other Party, Cost Litigation Settlement, Amount Awarded From Other Party, Cost Net book value Property, Plant and Equipment, Net Repayments of debt Repayments of Debt ICFR Auditor Attestation Flag ICFR Auditor Attestation Flag Noncontrolling interests Equity, Attributable to Noncontrolling Interest Wtd. avg. Exercise Price (USD per share) Awards exercisable (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Exercise Price Convertible Debt Convertible Debt [Member] Common stock, par value (USD per share) Common Stock, Par or Stated Value Per Share TETRA Ireland Communications Limited TETRA Ireland Communications Limited [Member] TETRA Ireland Communications Limited Schedule of Share-based Compensation Arrangements by Share-Based Payment Award [Table] Foreign Currency Foreign Currency Transactions and Translations Policy [Policy Text Block] Revolving Credit Facility Revolving Credit Facility [Member] Expiration Date Trading Arrangement Expiration Date Operating lease liabilities Deferred Tax Assets, Leasing Arrangements Deferred Tax Assets, Leasing Arrangements Amortization of treasury rate lock Gain (Loss) on Amortization of Derivative Instrument Gain (Loss) on Amortization of Derivative Instrument Current lease liabilities Operating Lease, Liability, Current Total Shareholder Return Amount Total Shareholder Return Amount April 1st through September 30th April First Through September Thirty [Member] April First Through September Thirty [Member] Effective Income Tax Rate Reconciliation, Amount [Abstract] Income Tax Expense (Benefit), Effective Income Tax Rate Reconciliation, Amount [Abstract] Investment impairments Debt Securities, Available-for-Sale, Allowance for Credit Loss, Writeoff Other intangibles Other Intangibles [Member] The value associated with other intangible assets. Equity Awards Adjustments, Footnote Equity Awards Adjustments, Footnote [Text Block] Financial Asset, Period Past Due [Domain] Financial Asset, Aging [Domain] Canadian dollar Canada, Dollars Tax attribute carryforwards Deferred Tax Assets, Operating Loss Carryforwards State tax credits State Tax Credits [Member] State Tax Credits [Member] Schedule of Share Repurchase Program Class of Treasury Stock [Table Text Block] Equity Swap Equity Swap [Member] Property, plant and equipment, gross Property, Plant and Equipment, Gross Acquisitions and investments, net Payments for Acquisitions and Investments, Net Cash used for acquiring businesses or investments in debt and equity securities. Issuance of common stock and stock options exercised (in shares) Releases/Exercised (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period Foreign exchange contracts Other Comprehensive Income (Loss), Cash Flow Hedge, Gain (Loss), before Reclassification and Tax Debt Instrument [Line Items] Debt Instrument [Line Items] Named Executive Officers, Footnote Named Executive Officers, Footnote [Text Block] Research and development expenditures Research and Development Expense [Member] Wtd. Avg. Exercise Price of Shares Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price [Abstract] Goodwill and Intangible Assets Goodwill and Intangible Assets, Policy [Policy Text Block] Lapse of statute of limitations Unrecognized Tax Benefits, Reduction Resulting from Lapse of Applicable Statute of Limitations Diluted (in shares) Diluted weighted average common shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Diluted Long-term receivables sales proceeds Long Term Receivables Sales Proceeds Long

Term Receivables Sales Proceeds Accrued Liabilities Accrued Liabilities [Member] MNPI Disclosure Timed for Compensation Value MNPI Disclosure Timed for Compensation Value [Flag] Total payments expected in 2025 Purchase Obligation, to be Paid, Year One Insurance contracts Insurance Contracts [Member] Insurance Contracts [Member] Total Motorola Solutions, A Inc. stockholders' equity Equity, Attributable to Parent Gross deferred tax assets Deferred Tax Assets, Gross Net proceeds from issuance of debt Proceeds from Issuance of Debt Split-dollar Life Insurance Arrangement Postretirement Life Insurance [Member] Reorganization And Exit Costs Reorganization And Exit Costs [Member] Reorganization And Exit Costs Litigation Case [Axis] Litigation Case [Axis] Investing Net Cash Provided by (Used in) Investing Activities, Continuing Operations [Abstract] Goodwill Schedule of Goodwill [Table Text Block] Concentration Risk Type [Domain] Concentration Risk Type [Domain] Work-in-process and production materials Inventory, Work in Process and Raw Materials Interest income Investment Income, Net Selling, general and administrative expenses Selling, General and Administrative Expense Defined contribution plan, expenses for material defined contribution plans Defined Contribution Plan, Cost Other Current Assets Schedule of Other Assets [Table Text Block] Costs of sales Cost of Sales [Member] Product Product [Member] Cash and other investments Defined Benefit Plan, Cash and Cash Equivalents [Member] Purchases of common stock Payments for Repurchase of Common Stock, Net Excise Tax Payments for Repurchase of Common Stock, Net Excise Tax Decrease in diluted earnings per share (USD per share) Share Based Compensation Expense Impact on Earnings Per Share Diluted This element represents the increase (decrease) in diluted earnings per share attributable to share-based compensation expense. Document Fiscal Period Focus Document Fiscal Period Focus Invoices confirmed during the year Supplier Finance Program, Obligation, Addition Long-term maturities during 2028 Long-Term Debt, Maturity, Year Four Acquisition-related transaction fees Business Combination, Acquisition Related Costs All Executive Categories All Executive Categories [Member] Share-based awards (in shares) Incremental Common Shares Attributable to Dilutive Effect of Share-Based Payment Arrangements Statement of Financial Position Location, Balance [Domain] Statement of Financial Position Location, Balance [Domain] Reorganization of Businesses Accruals Schedule of Restructuring Reserve by Type of Cost [Table Text Block] 2026 Finite-Lived Intangible Asset, Expected Amortization, Year Two Changed Peer Group, Footnote Changed Peer Group, Footnote [Text Block] Weighted average contractual life for options outstanding Wtd. avg. contractual life Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Remaining Contractual Term ASSETS Assets [Abstract] Option exercise price not less than value of common stock Option Exercise Price Percentage To Fair Value Common Stock Option Exercise Price Percentage to fair value Retirement Plan Type [Domain] Retirement Plan Type [Domain] Total other comprehensive income (loss), net of tax Other comprehensive income (loss) Total other comprehensive income (loss), net of tax Other Comprehensive Income (Loss), Net of Tax Dividend yield Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Dividend Rate Document Type Document Type Years of service required Defined Benefit Plan, Requisite Service Period Defined Benefit Plan, Requisite Service Period Derivative Contract [Domain] Derivative Contract [Domain] Derivative Contract [Domain] Actuarial loss (gain) Defined Benefit Plan, Benefit Obligation, Actuarial Gain (Loss) Operating Business Segment Schedule of Segment Reporting Information, by Segment [Table Text Block] Prepaid pension cost Defined Benefit Plan, Prepaid Pension Cost Defined Benefit Plan, Prepaid Pension Cost Weighted average contractual life for options exercisable Wtd. avg. contractual life Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Weighted Average Remaining Contractual Term Other Income and Expenses [Abstract] Defined Benefit Plan [Table] Defined Benefit Plan [Table] Contract Cost Balances Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block] Dividends payable (USD per share) Dividends Payable, Amount Per Share Maximum Maximum [Member] Options Outstanding Share-Based Compensation Arrangement by Share-Based Payment Award, Additional General Disclosures [Abstract] Equity Valuation Assumption Difference, Footnote Equity Valuation Assumption Difference, Footnote [Text Block] Gain Contingencies, Nature [Axis] Gain Contingencies, Nature [Axis] Supplier finance program, payment timing, period Supplier Finance Program, Payment Timing, Period Intangible assets, net Finite-Lived Intangible Assets, Net Restructuring charges in the period for indirect employees' severance (in number of employees) Restructuring Charges Employees Indirect Restructuring Charges Employees Indirect Antidilutive Securities [Axis] Antidilutive Securities [Axis] Accounts payable Accounts Payable, Current Investment Type [Axis] Investment Type [Axis] Chinese renminbi China, Yuan Renminbi Environmental reserve expense Environmental Remediation Expense, before Recovery Legal settlements loss (gains) Legal settlements Gain (Loss) from Litigation Settlement Value of Stock Option Weighted-Average Assumptions Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block] Net lease expense from operating leases Lease, Cost 2021 Motorola Solutions Credit Agreement 2021 Motorola Solutions Credit Agreement [Member] 2021 Motorola Solutions Credit Agreement Statistical Measurement [Axis] Statistical Measurement [Axis] Supplier finance program, obligation Confirmed obligations beginning balance Confirmed obligations ending balance Supplier Finance Program, Obligation Non-Rule 10b5-1 Arrangement Terminated Non-Rule 10b5-1 Arrangement Terminated [Flag] Net earnings before income taxes Net earnings before income taxes Income (Loss) from Continuing Operations before Income Taxes, Noncontrolling Interest Non-PEO NEO Average Total Compensation Amount Non-PEO NEO Average Total Compensation Amount Unrecognized tax benefits Unrecognized Tax Benefits Noncurrent The non-current portion of the gross amount of unrecognized tax benefits pertaining to uncertain tax positions taken in tax returns as of the balance sheet date, excluding amounts pertaining to examined tax returns. Schedule of Compensation Expense Schedule Of Employee Service Share Based Compensation Allocation Of Recognized Period Costs [Table Text Block] Schedule Of Employee Service Share Based Compensation Allocation Of Recognized Period Costs [Table Text Block] Name Outstanding Recovery, Individual Name Disaggregation of Revenue [Line Items] Disaggregation of Revenue [Line Items] Impairment of goodwill Goodwill, Impairment Loss Variable cost Variable Lease, Cost Investments in money market mutual funds classified as cash and cash equivalents Money Market Funds, at Carrying Value Award Timing Predetermined Award Timing Predetermined [Flag] Other Other Nations [Member] Other Nations [Member] Subsequent Event Type [Domain] Subsequent Event Type [Domain] Payment of dividends Payment of dividends Payments of Ordinary Dividends, Common Stock 7.5% debentures due 2025 7.5% Debentures Due 2025 [Member] 7.5% Debentures Due 2025 [Member] International RE Lease International RE Lease [Member] International RE Lease Customer relationships Customer-related Customer Relationships [Member] Sales Revenue, Segment Revenue, Segment Benchmark [Member] Unrecognized prior service benefit Defined Benefit Plan, Amortization of Prior Service Cost (Credit) Diluted (USD per share) Per share amount (USD per share) Earnings Per Share, Diluted Environmental Reserve Accrued Environmental Loss Contingencies, Noncurrent Revenue Recognition Revenue from Contract with Customer [Policy Text Block] United States Income (Loss) from Continuing Operations before Income Taxes, Domestic U.S. tax expense (benefit) on undistributed non-U.S. earnings Income Tax Reconciliation Tax On Undistributed Non U S Earnings, Percent Income Tax Reconciliation Tax On Undistributed Non U S Earnings, Percent Current income tax expense Current Income Tax Expense (Benefit) Restatement does not require Recovery Restatement Does Not Require Recovery [Text Block] 5.4% Senior Notes Due 2034 5.4% Senior Notes Due 2034 [Member] 5.4% Senior Notes Due 2034 Reorganization of business charges Additional Charges Restructuring, Settlement and Impairment Provisions Retirement Benefits [Abstract] Retirement Benefits [Abstract] Foreign currency gain (loss) Gain (Loss), Foreign Currency Transaction, before Tax Preferred stock issued (in shares) Preferred Stock, Shares Issued Statement of Financial Position [Abstract] Statement of Financial Position [Abstract] Research credits Effective Income Tax Rate Reconciliation, Tax Credit, Research, Amount Net earnings Net earnings Net earnings Net Income (Loss), Including Portion Attributable to Noncontrolling Interest Gain on Hytera litigation Hytera Legal Settlement [Member] Hytera Legal Settlement Equity swap contracts Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net Income tax expense Total income tax expense Income Tax Expense (Benefit) Interest cost Defined Benefit Plan, Interest Cost Other income (expense): Nonoperating Income (Expense) [Abstract] Notional amount of foreign currency derivatives Derivative, Notional Amount Noggin Noggin [Member] Noggin Unrecognized compensation expense, period for recognition Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition Net sales Net Sales Revenue from Contract with Customer, Excluding Assessed Tax Long-term receivables Long-term Receivable, Loans and Lease, Net Amount due from customers for trade receivables with payment terms greater than 12 months, long-term loans and lease receivables under sales-type leases, net of a valuation allowance. Statement of Comprehensive Income [Abstract] Statement of Comprehensive Income [Abstract] Net cash used for investing activities Net Cash Provided by (Used in) Investing Activities Interest expense Interest Expense, Operating and Nonoperating 4.0% senior notes due 2024 4.0% Senior Notes Due 2024 [Member] 4.0% Senior Notes Due 2024 [Member] Business Acquisition [Line Items] Business Acquisition [Line Items] Environmental reserve, current and noncurrent Accrued Environmental Loss Contingencies, Current And Noncurrent Accrued Environmental Loss Contingencies, Current And Noncurrent All Adjustments to Compensation All Adjustments to Compensation [Member] Compensation Employee-related Liabilities, Current ESPP common stock payroll deductions after-tax, maximum percentage ESPP Purchase Through Payroll Deductions ESPP Purchase Through Payroll Deductions Other Income (Expense) Schedule of Other Nonoperating Income (Expense) [Table Text Block] Exit of video manufacturing operations Exit of video manufacturing operations Restructuring Charges Accumulated Other Comprehensive Income (Loss) [Line Items] Accumulated Other Comprehensive Income (Loss) [Line Items] Tax Credit Carryforward [Axis] Tax Credit Carryforward [Axis] Commitments and Contingencies Disclosure [Abstract] Commitments and Contingencies Disclosure [Abstract] Interest expense, net: Interest Income (Expense), Nonoperating Cash Defined Benefit Plan, Cash [Member] Expected timing of satisfaction, period Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period Restricted cash Restricted Cash IP reorganization Effective Income Tax Rate Reconciliation, Change In Fair Value Of Intellectual Property, Percent Effective Income Tax Rate Reconciliation, Change In Fair Value Of Intellectual Property, Percent Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent [Member] Long-term Debt, Type [Domain] Long-Term Debt, Type [Domain] Entity Address, State or Province Entity Address, State or Province Reorganization costs Reorganization Costs [Member] Reorganization Costs [Member] Derivative Instruments and Hedging Activities Disclosure [Abstract] Derivative Instruments and Hedging Activities Disclosure [Abstract] Erroneous Compensation Analysis Erroneous Compensation Analysis [Text Block] Defined Benefit Plan, Plan Assets, Category [Domain] Defined Benefit Plan, Plan Assets, Category [Domain] Defined Benefit Plan Disclosure [Line Items] Defined Benefit Plan Disclosure [Line Items] Financial Instruments [Domain] Financial Instruments [Domain] Gain Contingency, Nature [Domain] Gain Contingency, Nature [Domain] Outstanding at beginning of period (USD per share) Outstanding at end of period (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Weighted Average Grant Date Fair Value 3tc Software 3tc Software [Member] 3tc Software LIABILITIES AND STOCKHOLDERS' EQUITY Liabilities and Equity [Abstract] Ava Security Limited Ava Security Limited [Member] Ava Security Limited Futurecom Systems Group, ULC Futurecom Systems Group, ULC [Member] Futurecom Systems Group, ULC Decrease in basic earnings per share (USD per share) Share Based Compensation Expense Impact On Earnings Per Share Basic This element represents the increase (decrease) in basic earnings per share attributable to share-based compensation expense. Valuation allowances Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Percent Restatement Determination Date Restatement Determination Date Estimate of Fair Value Measurement Fair Value Estimate of Fair Value Measurement [Member] Charged to Earnings SEC Schedule, 12-09, Valuation Allowances and Reserves, Additions, Charge to Cost and Expense Pay vs Performance Disclosure Pay vs Performance Disclosure [Table] Property, Plant and Equipment [Table] Property, Plant and Equipment [Table] Wtd. avg. Exercise Price (USD per share) Balance at end of period (USD per share) Balance at end of period (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Weighted Average Exercise Price Operating lease assets Right-of-use lease assets Operating Lease, Right-of-Use Asset Erroneously Awarded Compensation Recovery Erroneously Awarded Compensation Recovery [Table] No. of options (in shares) Balance at end of period (in shares) Balance at end of period (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding, Number Estimated option fair value forfeiture rate Estimated Option Fair Value Forfeiture Rate Estimated Option Fair Value Forfeiture Rate Exercise Price Range [Domain] Exercise Price Range [Domain] Currency [Axis] Currency [Axis] Plan amendments Defined Benefit Plan, Benefit Obligation, Increase (Decrease) for Plan Amendment Maximum annual limit for purchase of stock under ESPP Share-based Compensation Arrangement by Share-based Payment Award, Maximum Dollar Amount Per Employee Share-based Compensation Arrangement by Share-based Payment Award, Maximum Dollar Amount Per Employee Dividend payable Dividends Payable, Current Other Financial Data Additional Financial Information Disclosure [Text Block] Reclassification adjustment - Prior service benefits into Other income (expense) Accumulated Defined Benefit Plans Adjustment, Net Prior Service Attributable to Parent [Member] Accounts receivable sales proceeds Accounts Receivable Sales Proceeds Accounts Receivable Sales Proceeds Subsequent Event Subsequent Event [Member] Issuance of common stock and stock options exercised Stock Issued During Period, Value, Stock Options Exercised Research credits Effective Income Tax Rate Reconciliation, Tax Credit, Research, Percent Granted (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Grants in Period, Weighted Average Grant Date Fair Value Income Taxes Income Tax, Policy [Policy Text Block] Peer Group Issuers, Footnote Peer Group Issuers, Footnote [Text Block] Segments [Domain] Segments [Domain] Future Lease Payments, Finance Finance Lease, Liability, to be Paid, Maturity [Table Text Block] Income Tax Expense (Benefit) [Rollforward] Unrecognized Tax Benefits [Roll Forward] PEO PEO [Member] Investments Cash Equivalents and Investments [Table Text Block] Cash Equivalents and Investments [Table Text Block] - Schedule of Cash equivalents and investments, including debt and equity securities accounted for under the equity or cost methods of accounting. Confirmed invoices paid during the year Supplier Finance Program, Obligation, Settlement Name Trading Arrangement, Individual Name Funded status of the plan Defined Benefit Plan, Funded (Unfunded) Status of Plan Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Fair Values Derivatives, Balance Sheet Location, by Derivative Contract Type [Table] Property, Plant and Equipment, Type [Axis] Long-Lived Tangible Asset [Axis] Entity Public Float Entity Public Float Selling, general and administrative expenses Selling General And Administrative Expense [Member] Selling, General and Administrative Expense [Member] Exit Costs Exit Costs [Member] Future minimum lease payments and termination of a contract associated with exit from or disposal of business activities or restructurings pursuant to a plan. Estimated fair value of granted shares (USD per share) Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Grants in Period, Fair Value Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Grants in Period, Fair Value Stock compensation Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Percent Senior Debt Obligations Senior Debt Obligations [Member] Actuarial present value of the future death benefits Benefit obligation at January 1 Benefit obligation at December 31 Defined Benefit Plan, Benefit Obligation Awards Close in Time to MNPI Disclosures, Table Awards Close in Time to MNPI Disclosures [Table Text Block] Other, net: Other Nonoperating Income (Expense) [Abstract] Expected volatility of the S&P 500 Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Weighted Average Volatility Rate of Peer Companies Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Weighted Average Volatility Rate of Peer Companies SEC Schedule, 12-09, Valuation and Qualifying Accounts [Abstract] SEC Schedule, 12-09, Valuation and Qualifying Accounts [Abstract] Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year Prior Year End Fair Value of Equity Awards Granted in Any Prior Year that Fail to Meet Applicable Vesting Conditions During Covered Year [Member] Retirement Plan Sponsor Location [Domain] Retirement Plan Sponsor Location [Domain] Aggregate Erroneous Compensation Amount Aggregate Erroneous Compensation Amount Tax-related deposits Value Added Tax Receivable Local Phone Number Local Phone Number Valuation allowance Valuation allowances Deferred Tax Assets, Valuation Allowance Punitive damages Litigation Settlement, Amount Awarded From Other Party, Punitive Damages Litigation Settlement, Amount Awarded From Other Party, Punitive Damages Plan Target and Actual Asset Allocation Schedule Of Defined Benefit Plan Target and Actual Asset Allocation [Table Text Block] Schedule Of Defined Benefit Plan Target and Actual Asset Allocation [Table Text Block] Aggregate Erroneous Compensation Not Yet Determined Aggregate Erroneous Compensation Not Yet Determined [Text Block] Corporate Related Expenses and Assets Schedule Of Corporate-Related Expenses and Assets [Table Text Block] Schedule Of Corporate-Related Expenses and Assets [Text Block] Other Restructuring Other Restructuring [Member] Copyright Infringement Damages Copyright Infringement Damages [Member] Copyright Infringement Damages Options Exercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Additional Disclosures [Abstract] Current ac for environmental loss contingencies Accrued Environmental Loss Contingencies, Current Changes in assets and liabilities, net of effects of acquisitions, dispositions, and foreign currency translation adjustments: Increase (Decrease) in Operating Capital [Abstract] Liabilities, Noncurrent [Abstract] Liabilities, Noncurrent [Abstract] PEO Total Compensation Amount PEO Total Compensation Amount Fair value of derivative liabilities Derivative liabilities Derivative Liability, Subject to Master Netting Arrangement, before Offset Property, Plant and Equipment, Type [Domain] Long-Lived Tangible Asset [Domain] Long-term Debt, Excluding Convertible Debt Long-term Debt, Excluding Convertible Debt [Member] Long-term Debt, Excluding Convertible Debt [Member] Statement of Income Location, Balance [Axis] Statement of Income Location, Balance [Axis] Statement of Income Location, Balance [Axis] Total outstanding foreign exchange contracts Credit Derivative, Maximum Exposure, Undiscounted Defined Benefit Plan, Plan Assets, Category [Axis] Defined Benefit Plan, Plan Assets, Category [Axis] Defined Benefit Plan, Plan Assets, Category [Axis] Debt Disclosure [Abstract] Debt Disclosure [Abstract] Radio Tower

Sites Radio Tower Sites [Member] Radio Tower Sites Commingled funds Commingled Funds [Member] Commingled Funds [Member] Common Stock Common Stock [Member] Forgone Recovery due to Expense of Enforcement, Amount Forgone Recovery due to Expense of Enforcement, Amount Schedule of Business Acquisitions, by Acquisition [Table] Schedule of Business Acquisitions, by Acquisition [Table] Line of Credit Line of Credit [Member] Assets And Liabilities, Lessee Assets And Liabilities, Lessee [Table Text Block] Assets And Liabilities, Lessee [Table Text Block] Segment Reporting [Abstract] Segment Reporting [Abstract] Entity Central Index Key Entity Central Index Key 2.75% senior notes due 2031 2.75% Senior Notes Due 2031 [Member] 2.75% Senior Notes Due 2031 Inventories, Net Schedule of Inventory, Current [Table Text Block] Foreign Currency Translation Adjustments Accumulated Foreign Currency Adjustment Attributable to Parent [Member] Reorganization of businesses Other Restructuring Costs Non-PEO NEO Average Compensation Actually Paid Amount Non-PEO NEO Average Compensation Actually Paid Amount Award Timing, How MNPI Considered Award Timing, How MNPI Considered [Text Block] Financial Instrument [Axis] Financial Instrument [Axis] Less: current portion Long-Term Debt, Current Maturities Information by Segment and Geographic Region Segment Reporting Disclosure [Text Block] Reclassification adjustment - Actuarial net losses into Other income (expense) Accumulated Defined Benefit Plans Adjustment, Net Gain (Loss) Attributable to Parent [Member] Term of lease contract Lessee, Lease, Term Of Contract Lessee, Lease, Term Of Contract Share-based compensation expenses APIC, Share-Based Payment Arrangement, Increase for Cost Recognition Restricted Stock Restricted Stock [Member] Measurement Basis [Axis] Measurement Basis [Axis] Measurement Basis [Axis] Other Liabilities Schedule of Other Liabilities [Table Text Block] Schedule of Other Liabilities [Table Text Block] Title Trading Arrangement, Individual Title Recognized identifiable assets acquired and liabilities assumed, net assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Assets Debenture Unsecured Debt [Member] Market-related asset value method recognition period Defined Benefit Plan, Market-Related Asset Value Method, Recognition Period Defined Benefit Plan, Market-Related Asset Value Method, Recognition Period Earnings from Continuing Operations Before Income Taxes Schedule of Income before Income Tax, Domestic and Foreign [Table Text Block] Unrecognized tax benefits Balance at January 1 Balance at December 31 Unrecognized Tax Benefits Position [Domain] Position [Domain] City Area Code City Area Code Liabilities, Current [Abstract] Liabilities, Current [Abstract] Auditor Location Auditor Location Accrued liabilities and allowances Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Accrued Liabilities Contingent consideration Business Combination, Contingent Consideration, Liability Insider Trading Policies and Procedures Not Adopted Insider Trading Policies and Procedures Not Adopted [Text Block] Accumulated other comprehensive loss Defined Benefit Plan, Accumulated Other Comprehensive (Income) Loss, Before Tax, Excluding Deferred Income Taxes Taxes Defined Benefit Plan, Accumulated Other Comprehensive (Income) Loss, Before Tax, Excluding Deferred Income Taxes Tax Effective Tax Credit Carryforward Tax Effective Tax Credit Carryforward Tax Effective Other charges Other Expense [Member] Common Stock and Additional Paid-in Capital Common Stock Including Additional Paid in Capital [Member] Summary of Open Tax Years by Major Jurisdiction Schedule Of Summary Of Open Tax Years By Major Jurisdiction [Table Text Block] Schedule Of Summary Of Open Tax Years By Major Jurisdiction [Text Block] Aggregate amount Payments for Repurchase of Common Stock Undistributed non-U.S. earnings Deferred Tax Liabilities, Undistributed Foreign Earnings Long-term debt Long-Term Debt, Maturity, Year Two 5.0% senior notes due 2029 5.0 Senior Notes Due 2029 [Member] 5.0 Senior Notes Due 2029 Aggregate Available Trading Arrangement, Securities Aggregate Available Amount Equity Awards Adjustments Equity Awards Adjustments [Member] Additional leases acquired Present value of operating lease liabilities Operating Lease, Liability Underlying Securities Award Underlying Securities Amount Interest income recognized on long-term receivables Interest Income Recognized On Long Term Receivables Interest Income Recognized On Long Term Receivables Revenue recognition period Revenue From Contract With Customer, Revenue Recognition Period Revenue From Contract With Customer, Revenue Recognition Period Dividends declared Dividends, Common Stock, Cash Amendment Flag Amendment Flag Stock Appreciation Rights (SARs) Stock Appreciation Rights (SARs) [Member] British pound United Kingdom, Pounds Machinery and equipment Machinery and Equipment [Member] Return on plan assets Defined Benefit Plan, Plan Assets, Increase (Decrease) for Actual Return (Loss) Other comprehensive income (loss) before reclassification adjustment, net of tax Other Comprehensive Income (Loss), before Reclassifications, Net of Tax Change of control condition Change of control option exercisable condition Change of control option exercisable condition Debt and Credit Facilities Debt Disclosure [Text Block] Fair Value Hierarchy and NAV [Domain] Fair Value Hierarchy and NAV [Domain] Recovery of Erroneously Awarded Compensation Disclosure [Line Items] Debt instrument face principal amount Debt Instrument, Face Amount Compensatory damages Litigation Settlement, Amount Awarded From Other Party, Compensatory Damages Litigation Settlement, Amount Awarded From Other Party, Compensatory Damages Developed technology Developed technology Technology-Based Intangible Assets [Member] Award performance period Share-Based Compensation Arrangement by Share-Based Payment, Award Performance Period Share-Based Compensation Arrangement by Share-Based Payment, Award Performance Period Entity Address, Postal Zip Code Entity Address, Postal Zip Code International International [Member] International Cash and cash equivalents Cash and Cash Equivalents, at Carrying Value Interest expense, net: Interest Income (Expense), Operating [Abstract] Components of prepaid (accrued) pension cost: Components of Prepaid (accrued) Pension [Abstract] Components of Prepaid (Accrued) Pension Costs [Abstract] Deferred income taxes Defined Benefit Plan Deferred Income Taxes Defined Benefit Plan Deferred Income Taxes Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-over-Year Change in Fair Value of Equity Awards Granted in Prior Years That are Outstanding and Unvested Year-end Fair Value of Equity Awards Granted in Covered Year that are Outstanding and Unvested [Member] Market Stock Units Market Stock Units [Member] Market Stock Units [Member] Property, plant and equipment useful life, years Property, Plant and Equipment, Useful Life No. of Options Outstanding Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Outstanding [Roll Forward] Employee Stock Employee Stock [Member] Fair Value Measurement [Domain] Fair Value Measurement [Domain] Stock compensation Effective Income Tax Rate Reconciliation, Tax Expense (Benefit), Share-Based Payment Arrangement, Amount Adjustment To PEO Compensation, Footnote Adjustment To PEO Compensation, Footnote [Text Block] Class of Financing Receivable [Axis] Class of Financing Receivable [Axis] Equity Option Equity Option [Member] Property, plant and equipment, net Property, Plant, and Equipment and Finance Lease Right-of-Use Asset, after Accumulated Depreciation and Amortization Deferred revenue and costs Deferred Tax Assets, Deferred Income Derivatives designated as hedging instruments: Designated as Hedging Instrument [Member] Gain Contingencies [Line Items] Gain Contingencies [Line Items] Compensation Actually Paid vs. Other Measure Compensation Actually Paid vs. Other Measure [Text Block] Foreign exchange valuation adjustment Defined Benefit Plan, Benefit Obligation, Foreign Currency Translation Gain (Loss) Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year Vesting Date Fair Value of Equity Awards Granted and Vested in Covered Year [Member] Weighted average common shares outstanding: Weighted Average Number of Shares Outstanding, Diluted [Abstract] Total assets Assets Costs of sales Cost of Goods and Services Sold Other liabilities Other Liabilities, Noncurrent Adjustment for payout factor (in shares) Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Adjustments for Actual Payouts Deferred compensation plan, employer percentage of matching Deferred Compensation, Employer Matching Contribution, Percent of Match Deferred Compensation, Employer Matching Contribution, Percent of Match Legal entities Legal Entities, Number Legal Entities, Number Forgone Recovery due to Violation of Home Country Law, Amount Forgone Recovery due to Violation of Home Country Law, Amount Derivative Instruments and Hedging Activities Disclosures [Table] Derivative Instruments and Hedging Activities Disclosures [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items] Cumulative Effect, Period of Adoption [Axis] Cumulative Effect, Period of Adoption [Axis] Federal Statutory Tax Rate and Income Tax Expense Schedule of Effective Income Tax Rate Reconciliation [Table Text Block] Termination Date Trading Arrangement Termination Date Gain Contingencies [Table] Gain Contingencies [Table] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items] 2026 Lessee, Operating Lease, Liability, to be Paid, Year Two Total payments expected in 2028 Purchase Obligation, to be Paid, Year Four Long-term maturities during 2025 Long-Term Debt, Maturity, Year One Derivatives not designated as hedging instruments: Not Designated as Hedging Instrument [Member] Debt Instrument [Axis] Debt Instrument [Axis] Net earnings attributable to Motorola Solutions, Inc. Earnings Net earnings Net Income (Loss) Attributable to Parent Other charges Other Operating Income (Expense), Net Trading Arrangement: Trading Arrangement [Axis] 2030-2034 Defined Benefit Plan, Expected Future Benefit Payment, after Year Five for Next Five Years Pay vs Performance Disclosure, Table Pay vs Performance [Table Text Block] Equity Awards Adjustments, Excluding Value Reported in Compensation Table Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member] Escrow deposit Escrow Deposit Entity File Number Entity File Number Total payments expected after 2029 Purchase Obligation, to be Paid, after Year Five Fair value of plan assets Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Plan Assets Segment Reporting, Revenue from External Customer, Product and Service [Table] Noncontrolling Interests Noncontrolling Interest [Member] Income Statement [Abstract] Income Statement [Abstract] Entity Address, Address Line One Entity Address, Address Line One United States Federal Current Federal Tax Expense (Benefit) 5.0 % Senior Notes Due 2029 and 5.4% Senior Notes Due 2034 5.0 % Senior Notes Due 2029 and 5.4% Senior Notes Due 2034 Effect of exchange rate changes on cash and cash equivalents Effect of Exchange Rate on Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents, Continuing Operations Name Forgone Recovery, Individual Name Award Date [Domain] Award Date [Domain] Weighted average remaining lease terms, operating leases Operating Lease, Weighted Average Remaining Lease Term Less inventory reserves Inventory Valuation Reserves Adjustments SEC Schedule, 12-09, Valuation Allowances and Reserves, Increase (Decrease) Adjustment Total payments expected in 2029 Purchase Obligation, to be Paid, Year Five Investments Investment, Policy [Policy Text Block] Award Timing MNPI Considered Award Timing MNPI Considered [Flag] Line of Credit Facility [Line Items] Line of Credit Facility [Line Items] Reductions for tax positions of prior years Unrecognized Tax Benefits, Decrease Resulting from Prior Period Tax Positions Products and Systems Integration Product And Systems Integration Segment [Member] Product and Systems Integration Segment [Member] Timing of Transfer of Good or Service [Domain] Timing of Transfer of Good or Service [Domain] Outstanding Aggregate Erroneous Compensation Amount Outstanding Aggregate Erroneous Compensation Amount PEO Actually Paid Compensation Amount PEO Actually Paid Compensation Amount Add effect of dilutive securities: Dilutive Securities, Effect on Basic Earnings Per Share [Abstract] IPVideo IPVideo [Member] IPVideo Video Video Security And Access Control [Member] Video Security And Access Control Adjustment to Compensation: Adjustment to Compensation [Axis] Less: Earnings attributable to noncontrolling interests Net Income (Loss) Attributable to Noncontrolling Interest 5.22% debentures due 2097 5.22% Debentures Due 2097 [Member] 5.22% Debentures Due 2097 [Member] Litigation Case [Domain] Litigation Case [Domain] Accumulated other comprehensive loss Accumulated Other Comprehensive Income (Loss), Net of Tax Purchases Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset, Purchases Pension Adjustments Service Cost Pension Adjustments Service Cost [Member] Basic (in shares) Weighted average common shares outstanding (in shares) Weighted Average Number of Shares Outstanding, Basic Stock Price or TSR Estimation Method Stock Price or TSR Estimation Method [Text Block] Deferred tax (benefit) charge, adjustment Deferred Tax Charges, Adjustment Deferred Tax Charges, Adjustment Total stockholders' equity balance at beginning of period Balance at end of period Equity, Including Portion Attributable to Noncontrolling Interest Actual return on plan assets Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset, Gain (Loss) Actual Return On Plan Assets Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset, Gain (Loss) Actual Return On Plan Assets Target Mix Defined Benefit Plan, Plan Assets, Target Allocation, Percentage North America North America [Member] 1.75% senior convertible notes due 2024 1.75% Senior Convertible Notes Due in 2024 [Member] 1.75% Senior Convertible Notes Due in 2024 [Member] Name Awards Close in Time to MNPI Disclosures, Individual Name Common stock and equivalents Common Stock And Equivalents [Member] Common Stock And Equivalents [Member] Forfeited/Canceled (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period Litigation settlement awarded Litigation Settlement, Amount Awarded from Other Party Treasury rate lock Treasury Lock [Member] Entity Filer Category Entity Filer Category Contract assets, impairment losses Contract with Customer, Asset, Credit Loss Expense (Reversal) Balance (in shares) Balance (in shares) Shares, Issued Remaining performance obligation amount Revenue, Remaining Performance Obligation, Amount Other Other Cost and Expense, Operating, Other Other Cost and Expense, Operating, Other Performance obligation satisfied in previous period Contract with Customer, Performance Obligation Satisfied in Previous Period Goodwill acquired Goodwill, Acquired During Period Statistical Measurement [Domain] Statistical Measurement [Domain] Retirement age Defined Benefit Plan, Retirement Age Defined Benefit Plan, Retirement Age Defined Benefit Plans Pension and Other Postretirement Plans, Nonpension Benefits, Policy [Policy Text Block] Component of Lease Expense and Other Information Lease, Cost [Table Text Block] Contract assets Contract with Customer, Asset, after Allowance for Credit Loss, Current Derivatives, Fair Value [Line Items] Derivatives, Fair Value [Line Items] Financing Receivables Aging Analysis Financing Receivable, Past Due [Table Text Block] Current contract cost assets Capitalized Contract Cost, Net, Current Unrecognized tax benefits that would impact effective tax rate if recognized Unrecognized Tax Benefits that Would Impact Effective Tax Rate Segment Reporting Information [Line Items] Segment Reporting Information [Line Items] Extinguishment of Debt, Type [Domain] Extinguishment of Debt, Type [Domain] All Trading Arrangements All Trading Arrangements [Member] Compensation Actually Paid vs. Net Income Compensation Actually Paid vs. Net Income [Text Block] Earnings Per Common Share Schedule of Earnings Per Share, Basic and Diluted [Table Text Block] Award vesting period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Period Gross Tax Loss Tax Credit Carryforward, Amount Rule 10b5-1 Arrangement Adopted Rule 10b5-1 Arrangement Adopted [Flag] Awards Close in Time to MNPI Disclosures Awards Close in Time to MNPI Disclosures [Table] Derivative [Line Items] Derivative [Line Items] SEC Schedule, 12-09, Valuation and Qualifying Accounts Disclosure [Line Items] SEC Schedule, 12-09, Valuation and Qualifying Accounts Disclosure [Line Items] Income and withholding taxes, net of refunds Income Taxes Paid, Net Purchase accounting adjustments Goodwill, Measurement Period Adjustment Convertible debt conversion ratio Debt Instrument, Convertible, Conversion Ratio Equity method investments Equity Method Investments Pay vs Performance Disclosure [Line Items] Peer Group Total Shareholder Return Amount Peer Group Total Shareholder Return Amount Deferred compensation plan, maximum employer contribution for board officers Deferred Compensation Arrangement with Individual, Maximum Employer Contribution Deferred Compensation Arrangement with Individual, Maximum Employer Contribution Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis] Derivative [Table] Derivative [Table] Income Tax Contingency [Table] Income Tax Contingency [Table] Status Of The Company Plans Schedule Of Status Of Company Pension Plans [Table Text Block] Schedule Of Status Of Company Pension Plans [Table Text Block] Summary of Fair Values and Location in Condensed Consolidated Balance Sheet Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block] Number of employees expected to be separated (in number of employees) Number Of Employees Expected To Be Separated Within One Year Number Of Employees Expected To Be Separated Within One Year Restructuring and Related Activities [Abstract] Restructuring and Related Activities [Abstract] Share-based compensation expense, net of tax Share-Based Payment Arrangement, Expense, after Tax Other assets and liabilities Increase (Decrease) in Other Operating Assets and Liabilities, Net Other Performance Measure, Amount

Other Performance Measure, Amount 2027 Finite-Lived Intangible Asset, Expected Amortization, Year Three Goodwill [Line Items] Goodwill [Line Items] Leases Lessee, Operating Leases [Text Block] Common stock outstanding (in shares) Common Stock, Shares, Outstanding Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table] Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table] Documents Incorporated by Reference Documents Incorporated by Reference [Text Block] Other Other Unspecified Current Assets This element represents other current assets other than specified in taxonomy. Operating lease cost Operating Lease, Cost Shares available for future share-based award grants under the current compensation plan (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Available for Grant Operating lease liabilities Operating Lease, Liability, Noncurrent Benefit payments Defined Benefit Plan, Benefit Obligation, Benefits Paid Performance Stock Units Performance Stock Units [Member] Performance Stock Units [Member] Contract with Customer, Sales Channel [Axis] Contract with Customer, Sales Channel [Axis] Contract liabilities Contract with Customer, Liability, Current Service cost Defined Benefit Plan, Service Cost Entity Tax Identification Number Entity Tax Identification Number Intangible Asset, Finite-Lived [Table] Intangible Asset, Finite-Lived [Table] Equity securities Equities Defined Benefit Plan, Equity Securities [Member] Long-Term Debt Schedule of Long-Term Debt Instruments [Table Text Block] Additions for tax positions of prior years Unrecognized Tax Benefits, Increase Resulting from Prior Period Tax Positions Retirement Plan Type [Axis] Retirement Plan Type [Axis] Other nations Deferred Foreign Income Tax Expense (Benefit) Extinguishment of Silver Lake convertible debt Effective Income Tax Rate Reconciliation, Extinguishment of Debt, Percent Effective Income Tax Rate Reconciliation, Extinguishment of Debt, Percent Selling, General and Administrative Expenses Selling, General and Administrative Expenses [Member] Future compensation increase rate Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Rate of Compensation Increase Gains on sales of investments and businesses, net Gains on sales of investments and businesses, net Gain (Loss) on Sales of Investments and Businesses, Net The net gain or loss from the sale of investments in debt and equity securities and businesses. Patents Patents [Member] Schedule of Largest Notional Amounts of the Positions to Buy or Sell Foreign Currency Schedule of Derivative Instruments [Table Text Block] Other charges (income): Other Cost and Expense, Operating Plan Name [Axis] Plan Name [Axis] Equity Components [Axis] Equity Components [Axis] Other current assets Other current assets Other Assets, Current Amortized Intangible Assets, Excluding Goodwill, By Business Segment Schedule of Intangible Assets by Reporting Segment [Table Text Block] Disclosure of the gross carrying amount and accumulated amortization of intangible assets by reporting segment of the entity. Trade names Trade Names [Member] Exit costs Business Exit Costs [Member] Business Exit Costs Capitalized contract cost, amortization period Capitalized Contract Cost, Amortization Period Beginning balance Ending balance Fair Value, Measurement with Unobservable Inputs Reconciliation, Recurring Basis, Asset Value Unrecognized net loss Defined Benefit Plan, Accumulated Other Comprehensive Income (Loss), Gain (Loss), before Tax Business Acquisition, Acquiree [Domain] Business Acquisition, Acquiree [Domain] Supplier Finance Program, Obligation, Statement of Financial Position [Extensible Enumeration] Supplier Finance Program, Obligation, Statement of Financial Position [Extensible Enumeration] Investments [Domain] Investments [Domain] Share value Business Combination, Consideration Transferred, Equity Interests Issued and Issuable Diluted earnings per common share: Earnings Per Share, Diluted [Abstract] Contract-specific discounting facility Receivable Discounting Facility Sales Proceeds Receivable Discounting Facility Sales Proceeds Videotec S.p.A. Videotec S.p.A. [Member] Videotec S.p.A. Geographical [Axis] Geographical [Axis] Software and Services Services And Software Segment [Member] Services And Software Segment [Member] Deferred tax assets (liabilities), total Deferred Tax Assets, Net 2029 Lessee, Operating Lease, Liability, to be Paid, Year Five Change in valuation allowances Valuation Allowance, Deferred Tax Asset, Increase (Decrease), Amount Adjustments Adjustments Restructuring Reserve, Accrual Adjustment Award Date [Axis] Award Date [Axis] Share repurchase authority utilized during period Stock Repurchased During Period, Value Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member] Other Liabilities Other Liabilities [Member] Shares purchased by employees (in shares) Stock Issued During Period, Shares, Employee Stock Purchase Plans Lessee, Lease, Description [Line Items] Lessee, Lease, Description [Line Items] Long-Term Financing Long-term Receivable, Loans and Lease [Table Text Block] Disclosure of details about long-term receivables, which consist of trade receivables with payment terms greater than twelve months, long-term loans and lease receivables under sales-type leases. Unrecognized prior service benefit (cost) Defined Benefit Plan, Accumulated Other Comprehensive (Income) Loss, Prior Service Cost (Credit), before Tax Amount Used Payments for Restructuring Depreciation tax basis differences on fixed assets Depreciation Tax Basis Differences On Fixed Assets Depreciation Tax Basis Differences On Fixed Assets Adjustment for payout factor (USD per share) Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Adjustment for Actual Payout, Weighted Average Grant Date Fair Value Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Adjustment for Actual Payout, Weighted Average Grant Date Fair Value Cash and cash equivalents, beginning of period Cash and cash equivalents, end of period Cash, Cash Equivalents, Restricted Cash, and Restricted Cash Equivalents Common stock Common stock and equivalents Equity Securities, FV-NI, Current Unrecognized compensation expense Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Amount Other nations Current Foreign Tax Expense (Benefit) Pension and Postretirement Health Care Plan Assets Schedule of Pension And Postretirement Health Care Plan Assets Text Block [Table Text Block] Schedule of Pension And Postretirement Health Care Plan Assets Text Block Unrecognized tax benefits, accrued for interest Unrecognized Tax Benefits, Interest on Income Taxes Accrued Forgone Recovery due to Disqualification of Tax Benefits, Amount Forgone Recovery due to Disqualification of Tax Benefits, Amount Product and Service [Domain] Product and Service [Domain] Short-term lease cost Short-Term Lease, Cost Allowance for credit losses SEC Schedule, 12-09, Allowance, Credit Loss [Member] Goodwill Activity Goodwill [Roll Forward] Releases/Exercised (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period, Weighted Average Grant Date Fair Value Fair Value Disclosures [Abstract] Fair Value Disclosures [Abstract] Preferred stock outstanding (in shares) Preferred Stock, Shares Outstanding Geographic Area Information Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block] Security Exchange Name Security Exchange Name Rave Mobile Rave Mobile [Member] Rave Mobile Purchase price paid by employees (USD per share) Releases/Exercised (USD per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Exercises in Period, Weighted Average Exercise Price Direct Sales Channel, Directly to Consumer [Member] Other Other Unspecified Noncurrent Liabilities This element represents other noncurrent liabilities other than specified in the taxonomy. No. of Non-Vested Awards Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Nonvested, Number of Shares [Roll Forward] States (U.S.) Current State and Local Tax Expense (Benefit) Municipal leases secured tax exempt Municipal Leases Secured Tax Exempt [Member] Municipal Leases Secured Tax Exempt [Member] Forgone Recovery, Explanation of Impracticability Forgone Recovery, Explanation of Impracticability [Text Block] Research and development expenditures Research and Development Expense Warranty and customer liabilities Deferred Tax Assets, Tax Deferred Expense, Reserves and Accruals, Reserves Long Range Incentive Plan Long Range Incentive Plan [Member] Long-Range Incentive Plan [Member] Goodwill and Intangible Assets Disclosure [Abstract] Goodwill and Intangible Assets Disclosure [Abstract] Common stock issued (in shares) Common Stock, Shares, Issued Tax basis differences on investments Tax Basis Differences On Investments Tax Basis Differences On Investments Percentage of net sales Concentration Risk, Percentage Line of credit facility borrowing capacity Line of Credit Facility, Maximum Borrowing Capacity Total Long-term Receivable Financing Receivable, before Allowance for Credit Loss Insider Trading Policies and Procedures Adopted Insider Trading Policies and Procedures Adopted [Flag] Less accumulated depreciation Accumulated Depreciation, Depletion and Amortization, Property, Plant, and Equipment Projected Benefit Obligations For The Plans Defined Benefit Plan, Plan with Projected Benefit Obligation in Excess of Plan Assets [Table Text Block] Valuation allowance - deferred tax assets relating to non-U.S subsidiaries Valuation Allowance Amount Foreign Valuation Allowance Amount Foreign Past Due Under 90 Days Financing Receivables, Less than than 90 Days Past Due [Member] Financing Receivables, Less than than 90 Days Past Due [Member] Common stock authorized (in shares) Common Stock, Shares Authorized Cash paid for acquisition Payments to Acquire Businesses, Net of Cash Acquired \$1-100 Exercise Price Range, \$1 to \$100 [Member] Exercise Price Range, \$1 to \$100 Long-term Debt, Type [Axis] Long-Term Debt, Type [Axis] Entity Voluntary Filers Entity Voluntary Filers Unrecognized net loss Defined Benefit Plan, Amortization of Gain (Loss) Renewal term Lessee, Operating Lease, Renewal Term Statement of Financial Position Location, Balance [Axis] Statement of Financial Position Location, Balance [Axis] Hedging Designation [Domain] Hedging Designation [Domain] Interest expense, net Interest Expense, Nonoperating Deferred income taxes Deferred income tax benefit Deferred Income Tax Expense (Benefit) Discount rate Defined Benefit Plan, Assumptions Used Calculating Benefit Obligation, Discount Rate Corporate fixed income securities Fixed Income Securities, Corporate [Member] Fixed Income Securities, Corporate [Member] Current portion of long-term debt Debt, Current Recurring Fair Value, Recurring [Member] Income Tax Contingency [Line Items] Income Tax Contingency [Line Items] Accounts receivable, net Accounts receivable, after Allowance for Credit Loss, Current Convertible debt conversion price (usd per share) Debt Instrument, Convertible, Conversion Price Calipsa, Inc Calipsa, Inc [Member] Calipsa, Inc Granted (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Gross Revenues from External Customers and Long-Lived Assets [Line Items] Revenues from External Customers and Long-Lived Assets [Line Items] 5.6% senior notes due 2032 5.6% Senior Notes Due 2032 [Member] 5.6% Senior Notes Due 2032 Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items] Valuation Assumptions for Performance Options, Market Stock Units, and PCSOs Schedule of Share-based Payment Award, Equity Instruments Other than Employee Stock Options, Valuation Assumptions [Table Text Block] Schedule of Share-based Payment Award, Equity Instruments Other than Employee Stock Options, Valuation Assumptions [Table Text Block] Loss on ESN fixed asset impairment Asset Impairment Charges Pension Adjustments Prior Service Cost Pension Adjustments Prior Service Cost [Member] Deferred compensation Deferred Compensation, Noncurrent Deferred Compensation, Noncurrent Fair value at January1 Fair value at December1 Fair value plan assets Defined Benefit Plan, Plan Assets, Amount Current liabilities held for disposition Disposal Group, Including Discontinued Operation, Liabilities, Current Defined benefit plans Liability, Defined Benefit Pension Plan, Noncurrent Accounts receivable Accounts Receivable, before Allowance for Credit Loss, Current Period range of amortizing gains and losses recognized Unrecognized Gains (Losses) Amortization Periods Range Unrecognized gains (losses) amortization periods range Commercial Paper Commercial Paper [Member] Gain (loss) on derivative instruments Gain (Loss) on Derivative Instruments, Net, Pretax Pension Benefits Adjustments, Footnote Pension Benefits Adjustments, Footnote [Text Block] Total Shareholder Return Vs Peer Group Total Shareholder Return Vs Peer Group [Text Block] Average price (USD per share) Shares Acquired, Average Cost Per Share Document Annual Report Document Annual Report Exercise price range, minimum (USD per share) Share-Based Payment Arrangement, Option, Exercise Price Range, Lower Range Limit Releases/Exercised (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Equity Instruments Other than Options, Vested in Period Risk-free interest rate Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Risk Free Interest Rate U.S. tax expense (benefit) on undistributed non-U.S. earnings Income Tax Reconciliation Tax On Undistributed Non U S Earnings Income Tax Reconciliation Tax On Undistributed Non U S Earnings Intangibles amortization Amortization expense on intangibles Amortization of Intangible Assets SEC Schedule, 12-09, Movement in Valuation Allowances and Reserves [Roll Forward] SEC Schedule, 12-09, Movement in Valuation Allowances and Reserves [Roll Forward] International Non-US [Member] Accounting Policies [Abstract] Accounting Policies [Abstract] Maximum annual participant subsidy (per participant) Defined Benefit Plan, Maximum Annual Subsidy Per Employee Defined Benefit Plan, Maximum Annual Subsidy Per Employee Fair Value Measurements Fair Value Measurement, Policy [Policy Text Block] Long-term Financing and Sales of Receivables Long-term Customer Financing and Sales of Receivables [Text Block] Provides the disclosures pertaining to (i) the amounts due from customers with payment terms greater than twelve months, long-term loans, and lease receivables under sales type leases, (ii) other financing activities with customers, and (iii) the sale of receivables. Current Fiscal Year End Date Current Fiscal Year End Date Balance1 at Beginning of Period Balance at End of Period SEC Schedule, 12-09, Valuation Allowances and Reserves, Amount Less: Interest Lessee, Operating Lease, Liability, Undiscounted Excess Amount PEO Name PEO Name Award Type [Domain] Award Type [Domain] Award Type [Domain] Trade liabilities Accrued Trade Liabilities Accrued Trade Liabilities Reserve for uncertain tax positions Effective Income Tax Rate Reconciliation, Reserve For Uncertain Tax Provisions, Percent Effective Income Tax Rate Reconciliation, Reserve For Uncertain Tax Provisions, Percent Tax benefit (expense) Other Comprehensive Income (Loss) before Reclassifications, Tax Compensation Actually Paid vs. Company Selected Measure Compensation Actually Paid vs. Company Selected Measure [Text Block] Non-current benefit liability Liability, Defined Benefit Plan, Noncurrent Transferred over Time Transferred over Time [Member] Accounts receivable Increase (Decrease) in Accounts Receivable, Contract Assets And Contract Liabilities Increase (Decrease) in Accounts Receivable, Contract Assets And Contract Liabilities Deferred income taxes Deferred Income Tax Assets, Net Non-PEO NEO Non-PEO NEO [Member] Intangible assets estimated useful lives Finite-Lived Intangible Asset, Useful Life Hedging Relationship [Axis] Hedging Relationship [Axis] Accounts Receivable, Net Schedule of Accounts, Notes, Loans and Financing Receivable [Table Text Block] Market stock units payout factor, threshold consecutive calendar days Share-based Compensation Arrangement by Share-based Payment Award, Payout Factor, Threshold Consecutive Calendar Days Share-based Compensation Arrangement by Share-based Payment Award, Payout Factor, Threshold Consecutive Calendar Days Retirement Benefits Retirement Benefits [Text Block] Other tax expense (benefit) Effective Income Tax Rate Reconciliation, Other Adjustments, Amount Recent and Recently Adopted Accounting Pronouncements New Accounting Pronouncements, Policy [Policy Text Block] Restructuring charges in the period for direct employees' severance (in number of employees) Restructuring Charges During Period For Direct Employees' Severance, Number Of Employees Restructuring charges in the period for direct employees' severance (in number of employees) Vehicle Location And Management Solutions Vehicle Location And Management Solutions [Member] Vehicle Location And Management Solutions Finite-Lived Intangible Assets by Major Class [Axis] Finite-Lived Intangible Assets by Major Class [Axis] Accumulated Amortization Accumulated Amortization Finite-Lived Intangible Assets, Accumulated Amortization Schedule of Net Benefit Plan Costs Schedule of Defined Benefit Plans Disclosures [Table Text Block] Name Measure Name Entity Interactive Data Current Entity Interactive Data Current Type of Restructuring [Domain] Type of Restructuring [Domain] Canada CANADA 4.6% senior notes due 2029 4.6% Senior Notes Due 2029 [Member] 4.6% Senior Notes Due 2029 [Member] Fair Value of Assets and Liabilities Schedule of Fair Value, Assets and Liabilities Measured on Recurring Basis [Table Text Block] Disaggregation of Revenue [Table] Disaggregation of Revenue [Table] Employee separation costs Employee Severance [Member] Extinguishment of Debt [Axis] Extinguishment of Debt [Axis] Reorganization of Businesses Restructuring and Related Activities Disclosure [Text Block] Contingent consideration Business Combination, Contingent Consideration, Liability, Measurement Input Extinguishment of Silver Lake convertible debt Effective Income Tax Rate Reconciliation, Extinguishment of Debt Effective Income Tax Rate Reconciliation, Extinguishment of Debt Share-based compensation expenses Share-Based Payment Arrangement, Noncash Expense Schedule of Share-based Compensation, Activity Share-Based Payment Arrangement, Activity [Table Text Block] Deferred tax assets, net of valuation allowances Deferred Tax Assets, Net of Valuation Allowance Postretirement Health Care Benefits Plan Postretirement Health Coverage [Member] Total payments expected in 2027 Purchase Obligation, to be Paid, Year Three Defined Benefit Plans Accumulated Defined Benefit Plans Adjustment Attributable to Parent [Member] Accrued income receivable Defined Benefit Plan, Accrued Income Receivable [Member] Defined Benefit Plan, Accrued Income Receivable [Member] Interest rate Debt instrument stated interest rate Debt Instrument, Interest Rate, Stated Percentage Supplemental Cash Flow Information Supplemental Cash Flow Information [Abstract] Settlements and agreements Unrecognized Tax Benefits, Decrease Resulting from Settlements with Taxing Authorities Summary of Derivative Instruments and the Effect on the Condensed Consolidated Statements of Operations Derivative Instruments, Gain (Loss) [Table Text Block] Total other expense Total other expense Nonoperating Income (Expense) Service Service [Member] Concentration Risk Benchmark [Domain] Concentration Risk Benchmark [Domain] Forfeiture rate Share-based Compensation Arrangement by Share-based Payment Award, Fair Value Assumptions, Forfeiture Rate Valuation and Qualifying Accounts SEC Schedule, 12-09, Schedule of Valuation and Qualifying Accounts Disclosure [Text Block] Auditor Firm ID Auditor Firm ID Total income tax expense (benefit), percent Effective Income Tax Rate Reconciliation, Percent Operating earnings Operating earnings Operating Income (Loss) Accumulated Other Comprehensive Income (Loss) [Roll Forward] AOI Including Portion Attributable to Noncontrolling Interest, Net of Tax [Roll Forward] Projected benefit obligation Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Projected Benefit Obligation Valuation allowances Effective Income Tax Rate Reconciliation, Change in Deferred Tax Assets Valuation Allowance, Amount Number of reportable segments Number of Reportable Segments Total liabilities and stockholders' equity Liabilities and Equity Rule 10b5-1 Arrangement Terminated Rule 10b5-1 Arrangement Terminated [Flag] Fair Value Hierarchy and NAV [Axis] Fair Value Hierarchy and NAV [Axis] \$301-\$400 Exercise Price Range, \$301 to \$400 [Member] Exercise Price Range, \$301 to \$400 Valuation And Qualifying Accounts Valuation And Qualifying Accounts [Table Text Block] Valuation And Qualifying Accounts [Table Text Block] Hedging Designation [Axis] Hedging Designation [Axis] Operating lease asset impairments

Operating Lease, Impairment Loss Risk Management Derivative Instruments and Hedging Activities Disclosure [Text Block] \$401 and over Total Proceeds from receivable sales Proceeds from Sale and Collection of Receivables Finite-Lived Intangible Assets, Major Class Name [Domain] Finite-Lived Intangible Assets, Major Class Name [Domain] Contract Balances Capitalized Contract Cost [Table Text Block] Total investment securities Securities Investment [Member] Extinguishment of Debt [Table] Extinguishment of Debt [Table] Right-of-use assets obtained in exchange for lease liabilities Right-of-Use Asset Obtained in Exchange for Operating Lease Liability Underlying Security Market Price Change Underlying Security Market Price Change, Percent Expected return on plan assets Defined Benefit Plan, Expected Return (Loss) on Plan Assets Tax Credit Carryforward, Name [Domain] Tax Credit Carryforward, Name [Domain] Individual: Individual [Axis] 6.5% debentures due 2028 6.5% Debentures Due 2028 [Member] 6.5% Debentures Due 2028 [Member] Building and Building Improvements Building and Building Improvements [Member] Accumulated Other Comprehensive Income (Loss) Total Accumulated other comprehensive loss AOCI Attributable to Parent [Member] Forfeited/Canceled (USD per share) Share-Based Compensation Arrangements by Share-Based Payment Award, Options, Forfeitures in Period, Weighted Average Exercise Price Expected life (years) Share-Based Compensation Arrangement by Share-Based Payment Award, Fair Value Assumptions, Expected Term Inventories, net Inventories, net inventory, Net Product and Service [Axis] Product and Service [Axis] Property, Plant and Equipment [Line Items] Property, Plant and Equipment [Line Items] Statement [Line Items] Statement [Line Items] Number of felonies Felonies, Number Felonies, Number Benefit payments Defined Benefit Plan, Plan Assets, Benefits Paid Property, Plant And Equipment, Net Property, Plant and Equipment [Table Text Block] Compensation Actually Paid vs. Total Shareholder Return Compensation Actually Paid vs. Total Shareholder Return [Text Block] Sublease income Sublease Income Other Assets: Other Assets, Noncurrent [Abstract] Derivative Instruments Derivatives, Policy [Policy Text Block] Minimum Minimum [Member] Extinguishment of Debt [Line Items] Extinguishment of Debt [Line Items] Adoption Date Trading Arrangement Adoption Date Non-current contract liabilities Contract with Customer, Liability, Noncurrent United Kingdom UNITED KINGDOM Auditor Information [Abstract] Auditor Information Accumulated Benefit Obligations For The Plans Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets [Table Text Block] Segments [Axis] Segments [Axis] Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year Change in Fair Value as of Vesting Date of Prior Year Equity Awards Vested in Covered Year [Member] Net liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Net Liabilities Receivable with Imputed Interest [Table] Receivable with Imputed Interest [Table] Income tax expense at statutory rate Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent Derivative Instrument [Axis] Derivative Instrument [Axis] Derivative Instrument [Axis] Long-term debt, gross Long-Term Debt, Gross Exercise Price Award Exercise Price Schedule of Deferred Tax Assets and Liabilities Schedule of Deferred Tax Assets and Liabilities [Table Text Block] Three Large Managed Service Contracts Airwave Managed Service Contract [Member] Airwave Managed Service Contract Arrangement Duration Trading Arrangement Duration Intangible Assets And Goodwill Intangible Assets And Goodwill Disclosure Abstract Intangible Assets And Goodwill Disclosure [Abstract] Leases Lessee, Finance Leases [Text Block] Gain on TETRA Ireland equity method investment Debt and Equity Securities, Realized Gain (Loss) Intangible Assets and Goodwill Goodwill and Intangible Assets Disclosure [Text Block] Payment for additional dividends Payments For Additional Dividends, Common Stock Payments For Additional Dividends, Common Stock Proceeds from sales of investments Proceeds from Sales of Investments and Businesses, Net The net proceeds from the sale of investments in debt and equity securities and businesses. Investments Long-term investments noncurrent Long-Term Investments Material Terms of Trading Arrangement Material Terms of Trading Arrangement [Text Block] Debt instrument, term Debt Instrument, Term Excise tax Share Repurchase Program, Excise Tax Purchase Obligation, Fiscal Year Maturity [Abstract] Purchase Obligation, Fiscal Year Maturity [Abstract] Repurchase amount Debt Instrument, Repurchase Amount 2028 Finite-Lived Intangible Asset, Expected Amortization, Year Four Equities Equity Funds [Member] Barrett Communications Pty Ltd Barrett Communications Pty Ltd [Member] Barrett Communications Pty Ltd All Individuals All Individuals [Member] Command Center Command Center Software [Member] Command Center Software 4.6% senior notes due 2028 4.6% Senior Notes Due 2028 [Member] 4.6% Senior Notes Due 2028 [Member] Leasehold improvements Building [Member] Credit Concentration Risk Credit Concentration Risk [Member] Income Tax Disclosure [Abstract] Income Tax Disclosure [Abstract] Foreign exchange valuation adjustment Defined Benefit Plan, Plan Assets, Foreign Currency Translation Gain (Loss) Other, net Total other Other Nonoperating Income (Expense) Statement of Stockholders' Equity [Abstract] Statement of Stockholders' Equity [Abstract] Receivables [Abstract] Receivables [Abstract] Interest payable Interest Payable Undistributed earnings intends to reinvest for which no tax have been provided Undistributed Earnings of Foreign Subsidiaries Change in plan assets: Defined Benefit Plan, Change in Fair Value of Plan Assets [Roll Forward] Current benefit liability Liability, Defined Benefit Plan, Current Assets: Assets, Fair Value Disclosure [Abstract] Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table] Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table] Environmental reserve expense Environmental Remediation Expense, after Recovery Restructuring Cost and Reserve [Line Items] Restructuring Cost and Reserve [Line Items] Share based awards Restricted Stock, Restricted Stock Units, and Market Stock Units [Member] [Member] Restricted Stock, Restricted Stock Units, and Market Stock Units [Member] [Member] United Kingdom tax losses United Kingdom Tax Losses [Member] United Kingdom Tax Losses [Member] Foreign exchange contracts Gain (Loss) on Foreign Currency Derivative Instruments Not Designated as Hedging Instruments Other Other Unspecified Assets The aggregate carrying amount as of the balance sheet date of noncurrent assets not separately disclosed in the financial statements or notes thereto. Acquired liabilities Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Liabilities Tax Credit Carryforward [Line Items] Tax Credit Carryforward [Line Items] Deferred income taxes Deferred Income Tax Liabilities, Net Share-based Payment Arrangement, Option, Exercise Price Range [Line Items] Share-Based Payment Arrangement, Option, Exercise Price Range [Line Items] Retirement Plan Sponsor Location [Axis] Retirement Plan Sponsor Location [Axis] Non-U.S. tax expense on non-U.S. earnings Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Percent Share-based compensation arrangement, award requisite service period Share-Based Compensation Arrangement by Share-Based Payment Award, Award Requisite Service Period Other current assets and contract assets Increase (Decrease) in Other Operating Assets Cumulative Effect, Period of Adoption [Domain] Cumulative Effect, Period of Adoption [Domain] Long-term receivables, gross Long-term Receivable, Loans and Lease, Gross This element represents the gross amount of receivables with payment terms greater than 12 months, long-term loans and lease receivables under sales-type leases. Aggregate fair value of outstanding RSUs Share Based Compensation Arrangement By Share Based Payment Award, Equity Instruments Other Than Options, Vested In Period, Aggregate Fair Value Share Based Compensation Arrangement By Share Based Payment Award, Equity Instruments Other Than Options, Vested In Period, Aggregate Fair Value Intangible assets Business Combination, Recognized Identifiable Assets Acquired and Liabilities Assumed, Finite-Lived Intangibles Defined benefit plans Other Comprehensive (Income) Loss, Defined Benefit Plan, after Reclassification Adjustment, after Tax United States Federal Deferred Federal Income Tax Expense (Benefit) Non-current long-term receivables Financing Receivable, before Allowance for Credit Loss, Noncurrent Accrued Liabilities Schedule of Accrued Liabilities [Table Text Block] 5.4% senior notes due 2034 5.4% Senior Notes Due 2024 [Member] 5.4% Senior Notes Due 2024 Cash Equivalents Cash and Cash Equivalents, Policy [Policy Text Block] Commitments and Contingencies Commitments and Contingencies Disclosure [Text Block] Change in benefit obligation: Defined Benefit Plan, Change in Benefit Obligation [Roll Forward] Fixed asset impairments Impairment, Long-Lived Asset, Held-for-Use Measure: Measure [Axis] Market stock units, maximum payout factor Share-based Compensation Arrangement by Share-based Payment Award, Award Payout Percentage Share-based Compensation Arrangement by Share-based Payment Award, Award Payout Percentage Additions based on tax positions related to current year Unrecognized Tax Benefits, Increase Resulting from Current Period Tax Positions Share price (USD per share) Share Price Preferred stock authorized (in shares) Preferred Stock, Shares Authorized 2025 Defined Benefit Plan, Expected Future Benefit Payment, Year One Market stock units, minimum payout factor Share-based Compensation Arrangement by Share-based Payment Award, Minimum Payout Factor Percentage of Share Price Share-based Compensation Arrangement by Share-based Payment Award, Minimum Payout Factor Percentage of Share Price Unrecognized tax benefits, accrued for penalties Unrecognized Tax Benefits, Income Tax Penalties Accrued Entity Emerging Growth Company Entity Emerging Growth Company Long-term maturities during 2029 Long-Term Debt, Maturity, Year Five Sell Short [Member] Lessee, Lease, Description [Table] Lessee, Lease, Description [Table] Non-GAAP Measure Description Non-GAAP Measure Description [Text Block] Reclassification adjustment Reclassification from Accumulated Other Comprehensive Income, Current Period, before Tax Software and Services Segment [Member] Services Segment [Member] Accumulated benefit obligation Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets, Accumulated Benefit Obligation Equity Component [Domain] Equity Component [Domain] Preferred stock, par value (USD per share) Preferred Stock, Par or Stated Value Per Share Silver Lake Convertible Debt Silver Lake Convertible Debt [Member] Silver Lake Convertible Debt Accounting Standards Update [Extensible List] Accounting Standards Update [Extensible Enumeration] Current assets held for disposition Disposal Group, Including Discontinued Operation, Other Assets, Current Loss on equity method investments Gain (Loss) On Managed Investment Fund Investments This item represents the net total realized and unrealized gain (loss) included in earnings for the period as a result of selling or holding investments in a managed investment fund. U.S. tax losses U S Tax Losses [Member] U S Tax Losses [Member] Additional 402(v) Disclosure Additional 402(v) Disclosure [Text Block] Weighted Average Actuarial Assumptions Used To Determine Benefit Obligations For The Plans Schedule of Weighted average actuarial assumptions used to determine benefit obligations for the plans [Table Text Block] Schedule of Weighted average actuarial assumptions used to determine benefit obligations for the plans Reclassification adjustment into earnings, net of tax Reclassification from Accumulated Other Comprehensive Income, Current Period, Net of Tax Entity Shell Company Entity Shell Company Entity Incorporation, State or Country Code Entity Incorporation, State or Country Code 2028 Defined Benefit Plan, Expected Future Benefit Payment, Year Four SEC Schedule, 12-09, Valuation Allowances and Reserves [Domain] SEC Schedule, 12-09, Valuation Allowances and Reserves [Domain] Repurchased face amount of debt Debt Instrument, Repurchased Face Amount Other Income (Expense) Other Income (Expense) [Member] Other Income (Expense) Statement [Table] Statement [Table] Measurement Frequency [Domain] Measurement Frequency [Domain] Summary of Significant Accounting Policies Significant Accounting Policies [Text Block] Interest paid Interest Paid, Excluding Capitalized Interest, Operating Activities Capital expenditures Capital Expenditures Payments to Acquire Productive Assets Concentration Risk Benchmark [Axis] Concentration Risk Benchmark [Axis] LevelA 1 Fair Value, Inputs, Level 1 [Member] Foreign currency translation adjustments Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax Total current assets Assets, Current Statement of Cash Flows [Abstract] Statement of Cash Flows [Abstract] Senior Notes Senior Notes [Member] No. of options (in shares) Awards exercisable (in shares) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercisable, Number Long-term maturities during 2027 Long-Term Debt, Maturity, Year Three Schedule of Long-term Debt Instruments [Table] Schedule of Long-Term Debt Instruments [Table] Company contributions Defined Benefit Plan, Plan Assets, Contributions by Employer Weighted-average estimated fair value of employee stock options granted (USD per share) Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Grants in Period, Weighted Average Grant Date Fair Value Strategic investments, at cost Equity Securities without Readily Determinable Fair Value, Amount Accumulated Other Comprehensive Income (Loss) [Table] Accumulated Other Comprehensive Income (Loss) [Table] Entity Well-known Seasoned Issuer Entity Well-known Seasoned Issuer Awards exercisable (in shares) Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Exercisable, Number Share-based Compensation Arrangement by Share-based Payment Award, Equity Instruments Other than Options, Exercisable, Number Euro Euro Member Countries, Euro Income Taxes Income Tax Disclosure [Text Block] Share repurchase program Stock Repurchased and Retired During Period, Value 2028 Lessee, Operating Lease, Liability, to be Paid, Year Four Domestic Plan Domestic Plan [Member] Supplier Finance Program Supplier Finance Program [Table Text Block] Commercial loans and leases secured Commercial Loans And Leases Secured [Member] Commercial Loans And Leases Secured [Member] Organization, Consolidation and Presentation of Financial Statements [Abstract] Organization, Consolidation and Presentation of Financial Statements [Abstract] Share-based Compensation, Shares Authorized under Stock Option Plans, by Exercise Price Range [Axis] Exercise Price Range [Axis] Weighted average discount rate, operating leases Operating Lease, Weighted Average Discount Rate, Percent Canada tax credits Canada Tax Credits [Member] Canada Tax Credits Net cash used for financing activities Net Cash Provided by (Used in) Financing Activities Restructuring charges in the period for total employee severance (in number of employees) Restructuring Charges Employees Restructuring Charges Employees Products and Systems Integration Products Segment [Member] Products Segment [Member] Credit Facility [Axis] Credit Facility [Axis] Less current portion Financing receivables Financing Receivable, before Allowance for Credit Loss, Current Long-term debt Long-Term Debt, Fair Value Entity Registrant Name Entity Registrant Name Operating Net Cash Provided by (Used in) Operating Activities, Continuing Operations [Abstract] Adjustment to Non-PEO NEO Compensation Footnote Adjustment to Non-PEO NEO Compensation Footnote [Text Block] Depreciation and amortization Depreciation, Depletion and Amortization Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table] Timing of Transfer of Good or Service [Axis] Timing of Transfer of Good or Service [Axis] Gross margin Gross margin Gross Profit States (U.S.) Deferred State and Local Income Tax Expense (Benefit) Fair Value as of Grant Date Award Grant Date Fair Value Non-U.S. tax expense on non-U.S. earnings Effective Income Tax Rate Reconciliation, Foreign Income Tax Rate Differential, Amount Share-Based Compensation Costs Share Based Compensation Costs [Policy Text Block] Share Based Compensation Costs [Policy Text Block] Defined benefit plan assets Non-current benefit asset Assets for Plan Benefits, Defined Benefit Plan LevelA 2 Fair Value, Inputs, Level 2 [Member] Aggregate intrinsic value for options outstanding Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value IP reorganization Effective Income Tax Rate Reconciliation, Change In Fair Value Of Intellectual Property Effective Income Tax Rate Reconciliation, Change In Fair Value Of Intellectual Property Capitalized contract cost, amortization Capitalized Contract Cost, Amortization Geographical [Domain] Geographical [Domain] Adjustments for unamortized gains on interest rate swap terminations Unamortized Gains on Interest Rate Swap Terminations Unamortized Gains on Interest Rate Swap Terminations Disaggregation of Revenue Disaggregation of Revenue [Table Text Block] Principles of Consolidation Consolidation, Policy [Policy Text Block] Restructuring Cost [Table] Restructuring Cost [Table] Payment of dividends to noncontrolling interest Payments of Ordinary Dividends, Noncontrolling Interest Restatement Determination Date: Restatement Determination Date [Axis] Title of 12(b) Security Title of 12(b) Security Concentration Risk Type [Axis] Concentration Risk Type [Axis] Other Liabilities [Abstract] Other Liabilities, Noncurrent [Abstract] Common stock, \$0.01 par value; Authorized shares: 600.0; Issued shares: 12/31/23a€168.5; 12/31/22a€169.6; Outstanding shares: 12/31/23a€167.5; 12/31/22a€168.7 Common Stock, Value, Issued Document Financial Statement Error Correction [Flag] Document Financial Statement Error Correction [Flag] Share-based Payment Arrangement [Abstract] Share-Based Payment Arrangement [Abstract] Other comprehensive income (loss) before reclassification adjustment Other Comprehensive Income (Loss), before Reclassifications, before Tax State income taxes, net of federal benefit Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Percent Aggregate intrinsic value for options exercisable Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Exercisable, Aggregate Intrinsic Value Finite-Lived Intangible Assets [Line Items] Finite-Lived Intangible Assets [Line Items] Other Deferred Tax Assets, Other Accrued Liabilities [Abstract] Accrued Liabilities, Current [Abstract] Cash paid during the period for: Cash Paid During Period for [Abstract] Derivative Instruments and Hedging Activities Disclosures [Line Items] Derivative Instruments and Hedging Activities Disclosures [Line Items] All Currencies [Domain] All Currencies [Domain] 2029 Defined Benefit Plan, Expected Future Benefit Payment, Year Five Preferred stock, \$100 par value: 0.5 shares authorized; none issued and outstanding Preferred Stock, Value, Issued State income taxes, net of federal benefit Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Amount Finished goods Inventory, Finished Goods, Gross Operating Lease, Liability, Current, Statement of Financial Position [Extensible List] Operating Lease, Liability, Current, Statement of Financial Position [Extensible Enumeration] \$201-\$300 Exercise Price Range, \$201 to \$300 [Member] Exercise Price Range, \$201

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[illegible][illegible]

[illegible]

[illegible]

[illegible]

[illegible]

12 Months Ended

Cover [Abstract]	
Document Type	10-K
Document Annual Report	true
Document Period End Date	Dec. 31, 2024
Current Fiscal Year End Date	--12-31
Document Transition Report	false
Entity File Number	1-7221
Entity Registrant Name	MOTOROLA SOLUTIONS, INC.
Entity Incorporation, State or Country Code	DE
Entity Tax Identification Number	36-1115800
Entity Address, Address Line One	500 W. Monroe Street
Entity Address, City or Town	Chicago
Entity Address, State or Province	IL
Entity Address, Postal Zip Code	60661
City Area Code	847
Local Phone Number	576-5000
Title of 12(b) Security	Common Stock
Trading Symbol	MSI
Security Exchange Name	NYSE
Entity Well-known Seasoned	

Issuer	Yes	
Entity Voluntary Filers	No	
Entity Current Reporting Status	Yes	
Entity Interactive Data Current	Yes	
Entity Filer Category	Large Accelerated Filer	
Entity Small Business	false	
Entity Emerging Growth Company	false	
ICFR Auditor Attestation Flag	true	
Document Financial Statement Error Correction [Flag]	false	
Entity Shell Company	false	
Entity Public Float		\$ 56.3

Entity Common Stock, Shares Outstanding	166,936,952

Documents Incorporated by Reference	Portions of the registrant’s definitive Proxy Statement to be delivered to stockholders in connection with its 2025 Annual Meeting of Shareholders (the “Proxy Statement”), to be filed within 120 days of the end of the fiscal year ended December 31, 2024, are incorporated by reference into Part III of this Annual Report on Form 10-K (this “Form 10-K”).
Entity Central Index Key	0000068505
Document Fiscal Year Focus	2024
Document Fiscal Period Focus	FY
Amendment Flag	false

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Audit Information	12 Months Ended
	Dec. 31, 2024

Auditor Information [Abstract]

Auditor Firm ID	238
Auditor Name	PricewaterhouseCoopers LLP
Auditor Location	Chicago, Illinois

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Consolidated Statements Of Operations - USD (\$)	12 Months Ended		
shares in Millions, \$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Net sales	\$ 10,817	\$ 9,978	\$ 9,112
Costs of sales	5,305	5,008	4,883
Gross margin	5,512	4,970	4,229
Selling, general and administrative expenses	1,752	1,561	1,450
Research and development expenditures	917	858	779
Other charges	155	257	339
Operating earnings	2,688	2,294	1,661
Other income (expense):			
Interest expense, net	(227)	(216)	(226)
Gains on sales of investments and businesses, net	0	0	3
Other, net	(489)	68	77
Total other expense	(716)	(148)	(146)
Net earnings before income taxes	1,972	2,146	1,515
Income tax expense	390	432	148
Net earnings	1,582	1,714	1,367
Less: Earnings attributable to noncontrolling interests	5	5	4
Net earnings attributable to Motorola Solutions, Inc.	\$ 1,577	\$ 1,709	\$ 1,363
Earnings per common share:			
Basic (USD per share)	\$ 9.45	\$ 10.23	\$ 8.14
Diluted (USD per share)	\$ 9.23	\$ 9.93	\$ 7.93
Weighted average common shares outstanding:			
Basic (in shares)	166.8	167.0	167.5
Diluted (in shares)	170.8	172.1	171.9
Dividends declared per share (USD per share)	\$ 4.03	\$ 3.62	\$ 3.25
Product			
Net sales	\$ 6,454	\$ 5,814	\$ 5,368
Costs of sales	2,674	2,591	2,595
Service			
Net sales	4,363	4,164	3,744
Costs of sales	\$ 2,631	\$ 2,417	\$ 2,288

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Consolidated Statements of Comprehensive Income (Loss) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Statement of Comprehensive Income [Abstract]

Net earnings	\$ 1,582	\$ 1,714	\$ 1,367
Other comprehensive income (loss), net of tax (Note 4):			
Foreign currency translation adjustments	(64)	57	(155)
Derivative instruments	5	(12)	0
Defined benefit plans	60	(50)	(1)
Total other comprehensive income (loss), net of tax	1	(5)	(156)
Comprehensive income	1,583	1,709	1,211
Less: Earnings attributable to noncontrolling interests	5	5	4
Comprehensive income attributable to Motorola Solutions, Inc.	\$ 1,578	\$ 1,704	\$ 1,207

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Consolidated Balance Sheets - USD (\$)	Dec. 31, 2024	Dec. 31, 2023
\$ in Millions		
ASSETS		
Cash and cash equivalents	\$ 2,102	\$ 1,705
Accounts receivable, net	1,952	1,710
Contract assets	1,230	1,102
Inventories, net	766	827
Other current assets	429	357
Current assets held for disposition	0	24
Total current assets	6,479	5,725
Property, plant and equipment, net	1,022	964
Operating lease assets	529	495
Investments	135	143
Deferred income taxes	1,280	1,062
Goodwill	3,526	3,401
Intangible assets, net	1,249	1,255

Other assets	375	274
Non-current assets held for disposition	0	17
Total assets	14,595	13,336
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current portion of long-term debt	322	1,313
Accounts payable	1,018	881
Contract liabilities	2,072	2,037
Accrued liabilities	1,643	1,504
Current liabilities held for disposition	0	1
Total current liabilities	5,055	5,736
Long-term debt	5,675	4,705
Operating lease liabilities	427	407
Other liabilities	1,719	1,741
Non-current liabilities held for disposition	0	8
Preferred stock, \$100 par value; 0.5 shares authorized; none issued and outstanding	0	0
Common stock, \$0.01 par value; Authorized shares: 600.0; Issued shares: 12/31/23—168.5; 12/31/22—169.6; Outstanding shares: 12/31/23—167.5; 12/31/22—168.7	2	2
Additional paid-in capital	1,940	1,622
Retained earnings	2,300	1,640
Accumulated other comprehensive loss	(2,539)	(2,540)
Total Motorola Solutions, Inc. stockholders' equity	1,703	724
Noncontrolling interests	16	15
Total stockholders' equity	1,719	739
Total liabilities and stockholders' equity	\$ 14,595	\$ 13,336

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Consolidated Balance Sheets		
(Parenthetical) - \$ / shares		
	Dec. 31, 2024	Dec. 31, 2023

Statement of Financial Position [Abstract]

Preferred stock, par value (USD per share)	\$ 100	\$ 100
Preferred stock authorized (in shares)	500,000	500,000
Preferred stock issued (in shares)	0	0
Preferred stock outstanding (in shares)	0	0
Common stock, par value (USD per share)	\$ 0.01	\$ 0.01
Common stock authorized (in shares)	600,000,000.0	600,000,000.0
Common stock issued (in shares)	168,600,000	167,400,000
Common stock outstanding (in shares)	167,100,000	166,200,000

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Consolidated Statements of Stockholders' Equity - USD (\$)	Total	Common Stock and Additional Paid-in Capital	Common Stock and Additional Paid-in Capital ASU 2020-06 modified retrospective adoption	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Retained Earnings ASU 2020-06 modified retrospective adoption	Noncontrolling Interests
shares in Millions, \$ in Millions							
Balance (in shares) at Dec. 31, 2021		169.6					
Balance at beginning of period at Dec. 31, 2021		\$ 989		\$ (2,379)	\$ 1,350		\$ 17
Increase (Decrease) in Stockholders' Equity [Roll Forward]							
Net earnings	\$ 1,367				1,363		4
Other comprehensive income (loss)	\$ (156)			(156)			
Issuance of common stock and stock options exercised (in shares)		2.6					
Issuance of common stock and stock options exercised		\$ 157					
Share repurchase program (in shares)	(3.7)	(3.7)					
Share repurchase program					(836)		
Share-based compensation expenses		\$ 172					
Dividends paid to noncontrolling interest in subsidiary common stock							(6)
Dividends declared					(544)		
Accounting Standards Update [Extensible List]	Accounting Standards Update 2020-06 [Member]						
ASU 2020-06 modified retrospective adoption			\$ (10)			\$ 10	
Balance (in shares) at Dec. 31, 2022		168.5					
Balance at end of period at Dec. 31, 2022		\$ 1,308		(2,535)	1,343		15
Increase (Decrease) in Stockholders' Equity [Roll Forward]							
Net earnings	\$ 1,714				1,709		5
Other comprehensive income (loss)	\$ (5)			(5)			
Issuance of common stock and stock options exercised (in shares)		1.8					
Issuance of common stock and stock options exercised		\$ 104					
Share repurchase program (in shares)	(2.9)	(2.9)					
Share repurchase program					(808)		
Share-based compensation expenses		\$ 212					
Dividends paid to noncontrolling interest in subsidiary common stock							(5)
Dividends declared					(604)		
Balance (in shares) at Dec. 31, 2023		167.4					
Balance at end of period at Dec. 31, 2023	\$ 739	\$ 1,624		(2,540)	1,640		15
Increase (Decrease) in Stockholders' Equity [Roll Forward]							
Net earnings	1,582				1,577		5
Other comprehensive income							

(loss)	\$ 1			1	
Issuance of common stock and stock options exercised (in shares)		1.8			
Issuance of common stock and stock options exercised		\$ 75			
Share repurchase program (in shares)	(0.6)	(0.6)			
Share repurchase program				(244)	
Share-based compensation expenses		\$ 243			
Dividends paid to noncontrolling interest in subsidiary common stock					(4)
Dividends declared				(673)	
Balance (in shares) at Dec. 31, 2024		168.6			
Balance at end of period at Dec. 31, 2024	\$ 1,719	\$ 1,942	\$ (2,539)	\$ 2,300	\$ 16

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Consolidated Statements of Cash Flows - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Operating			
Net earnings	\$ 1,582	\$ 1,714	\$ 1,367
Adjustments to reconcile Net earnings to Net cash provided by operating activities:			
Depreciation and amortization	336	356	440
Non-cash other charges	16	14	23
Exit of video manufacturing operations	0	24	0
Loss on ESN fixed asset impairment	0	0	147
Share-based compensation expenses	243	212	172
Gains on sales of investments and businesses, net	0	0	(3)
Losses from the extinguishment of long term debt	585	0	6
Changes in assets and liabilities, net of effects of acquisitions, dispositions, and foreign currency translation adjustments:			
Accounts receivable	(246)	(180)	(112)
Inventories	62	200	(242)
Other current assets and contract assets	(213)	(82)	(1)
Accounts payable, accrued liabilities, and contract liabilities	302	(144)	451
Other assets and liabilities	(61)	(38)	(91)
Deferred income taxes	(215)	(32)	(334)
Net cash provided by operating activities	2,391	2,044	1,823
Investing			
Acquisitions and investments, net	(290)	(180)	(1,177)
Proceeds from sales of investments	40	19	46
Capital expenditures	(257)	(253)	(256)
Net cash used for investing activities	(507)	(414)	(1,387)
Financing			
Net proceeds from issuance of debt	1,288	0	595
Repayment of debt	(1,906)	(1)	(285)
Issuances of common stock	75	104	156
Purchases of common stock	(247)	(804)	(836)
Payment of dividends	(654)	(589)	(530)
Payment of dividends to noncontrolling interest	(4)	(5)	(6)
Net cash used for financing activities	(1,448)	(1,295)	(906)
Effect of exchange rate changes on cash and cash equivalents	(39)	45	(79)
Net increase (decrease) in cash and cash equivalents	397	380	(549)
Cash and cash equivalents, beginning of period	1,705	1,325	1,874
Cash and cash equivalents, end of period	2,102	1,705	1,325
Cash paid during the period for:			
Interest paid	253	234	226
Income and withholding taxes, net of refunds	\$ 627	\$ 587	\$ 307

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Summary of Significant Accounting Policies

Accounting Policies

[Abstract]

Summary of Significant Accounting Policies

12 Months Ended

Dec. 31, 2024

Summary of Significant Accounting Policies

Principles of Consolidation:

The consolidated financial statements include the accounts of Motorola Solutions, Inc. (the "Company" or "Motorola Solutions") and all controlled subsidiaries. All intercompany transactions and balances have been eliminated.

The consolidated financial statements as of December 31, 2024 and 2023 and for the years ended December 31, 2024, 2023 and 2022, include, in the opinion of management, all adjustments (consisting of normal recurring adjustments and reclassifications) necessary to present fairly the Company's consolidated financial position, results of operations, statements of comprehensive income, and statements of stockholders' equity and cash flows for all periods presented.

Use of Estimates:

The preparation of financial statements in conformity with United States ("U.S.") Generally Accepted Accounting Principles ("GAAP") requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates.

Revenue Recognition:

Net sales consist of a wide range of goods and services including the delivery of products, systems and system integration as well as offering software and service solutions. The Company recognizes revenue to reflect the transfer of control of promised goods or services to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services.

The Products and Systems Integration segment is comprised of devices, systems, and systems integration for our Land Mobile Radio Communication ("LMR" or "LMR Communications") and Video Security and Access Control ("Video") technologies. Direct customers of the Products and Systems Integration segment are typically government, public safety agencies, procuring at state, local, and federal levels as well as large commercial customers with secure mission-critical needs. Indirect customers are defined as customers purchasing professional and commercial radios and video security, which are primarily sold through the Company's reseller partners to an end-customer base, composed of various industries where private communications systems and video security are used to secure operations and enable a mobile workforce. Contracts with the Company's customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our government customers, funded through appropriations. The Company records consideration from shipping and handling on a gross basis within Net sales. In limited instances where the Company is not the principal in the arrangement, the Company will recognize revenue on a net basis.

LMR and Video devices include two-way portable and vehicle-mounted radios, video cameras and accessories. Devices are considered capable of being distinct and distinct within the context of the Company's contracts. Revenue is recognized upon the transfer of control of the devices to the customer at a point in time, typically consistent with delivery under the applicable shipping terms. Devices are sold by both the direct sales force and through reseller partners. Revenue is generally recognized upon transfer of devices to reseller partners, rather than the end-customer, except for limited consignment arrangements. Provisions for returns and reseller discounts are made on a portfolio basis using historical data.

The Products and Systems Integration segment includes both customized communications systems and video security solutions, including the integration of these networks with devices, software, and applications within both LMR and Video technologies. For systems contracts, revenue for the year ended December 31, 2024 was \$2.0 billion compared to \$1.9 billion for the year ended December 31, 2023 and \$1.8 billion for the year ended December 31, 2022. The communications systems include the aggregation of promises to the customer to provide i) a communications network core and central processing software, base stations, consoles, and repeaters or ii) a video security solution including video analytics, network video management hardware and software, and access control solutions. The individual promises within a communications network contract are not distinct in the context of the contract, as the Company provides a significant service of integrating and customizing the goods and services promised. The communications network represents a distinct performance obligation for which revenue is recognized over time, as the Company creates an asset with no alternative use and has an enforceable right to payment for work performed. The Company's revenue recognition over time is based on an input measure of costs incurred, which depicts the transfer of control to its customers under its contracts. Products and Systems Integration revenue for communications network systems is recognized over an average duration of approximately one to two years. Individual promises of the video security solution are capable of being distinct and distinct in the context of the contract. Video security solutions are traditionally sold through reseller partners, with contracts negotiated under fixed pricing. Revenue is recognized upon the transfer of control of the video solution to the reseller partners, typically upon shipment.

The Software and Services segment provides solutions for government, public safety and commercial communications systems. Direct customers of the Software and Services segment are typically government, public safety and first-responder agencies and municipalities. Indirect customers are commercial customers who distribute our software solutions to a final end customer base. Contracts with our customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our direct customers, funded through government appropriations.

Software offerings primarily include Command Center and Video software and services which can be delivered either as an "as-a-service", on-premise, or hybrid solution. Solutions delivered as-a-service consist of a range of promises including hosted software, technical support and the right to unspecified future software enhancements. Software is not distinct from the hosting service since the customer does not have the right to take possession of the software at any time during the term of the arrangement. Solutions delivered as-a-service are recognized over time on a straight-line basis as a series of distinct services.

On-premise and hybrid offerings generally consist of multiple promises primarily including software licenses and post-contract customer support. The promises are generally each distinct and distinct within the context of the contract as the customer benefits from each promise individually without any significant integration or interrelationship between the promises. On-premise software revenue is generally recognized at the point in time when the customer can benefit from the software which generally aligns with the beginning of the license period. Revenue for post-contract customer support is recognized over time as the customer simultaneously receives and consumes the services on a straight-line basis. In certain situations when the software license is not distinct within the context of the contract, revenue for the software license is recognized over time following the transfer of control under the arrangement. For hybrid arrangements, the on-premise software, cloud-based software, and implementation services are a single performance obligation, where in over time revenue recognition begins at the point of service activation when the customer can access the system and begin beneficial use.

Services include a continuum of service offerings beginning with repair, technical support and maintenance. More advanced offerings include: monitoring, software updates and cybersecurity services. Managed service offerings range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. Services are provided across all technologies and are both distinct and capable of being distinct in the context of the contract, representing a series of recurring services that the Company stands ready to perform over the contract term. Since services contracts typically allow for customers to terminate for convenience or for non-appropriations of fiscal funding, the contract term is generally considered to be limited to a monthly or annual basis, subject to customer renewal. While contracts with customers are typically fixed fee, certain managed services contracts may be subject to variable consideration related to the achievement of service level agreement performance measurements. The Company has not historically paid significant penalties under service level agreements, and accordingly, it does not constrain its contract price. Certain contracts may also contain variable consideration driven by the number of users. Revenue is typically recognized on services over time as a series of services performed over the contract term on a straight-line basis.

The Company enters into arrangements which generally consist of multiple promises to our customers. The Company evaluates whether the promised goods and services are distinct or a series of distinct goods or services. Where contracts contain multiple promises, the Company allocates the total estimated consideration to each performance obligation based on applying an estimated selling price ("ESP") as our best estimate of standalone selling price. We use list price as the standalone selling price for indirect sales sold through our channel partners. Given the unique nature of the goods and services we provide to direct customers, sufficient standalone sales of our products generally do not exist. Therefore, the Company determines ESP by: (i) collecting all reasonably available historical data points including sales, cost and margin analyses of the product or services, and other inputs based on its normal pricing and discounting practices, (ii) making any reasonably required adjustments to the data based on market and Company-specific factors, and (iii) stratifying the data points for similar customers and circumstances, when appropriate, based on major product or service, type of customer, geographic market, and sales volume.

The Company accounts for certain system contracts without an alternative use on an over time basis, electing an input method of estimated costs as a measure of performance completed. The selection of costs incurred as a measure of progress aligns the transfer of control to the overall production of the customized system.

For system contracts accounted for over time using estimated costs as a measure of performance completed, the Company relies on estimates around the total estimated costs to complete the contract ("Estimated Costs to Complete"). Estimated Costs to Complete include direct labor, material and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. The Company has a standard and disciplined process in which management reviews the progress and performance of open contracts in order to determine the best estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor cost, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. When estimates of total costs to be incurred on a contract exceed estimates of total revenue to be earned, a provision for the entire loss on the contract is recorded in the period in which the loss is determined.

Cash Equivalents: The Company considers all highly-liquid investments purchased with an original maturity of three months or less to be cash equivalents. Restricted cash was \$3 million and \$2 million as of December 31, 2024 and December 31, 2023, respectively.

Investments: The Company generally invests in equity securities of a strategic nature.

The Company applies the equity method of accounting for equity investments if the Company has significant influence over the issuing entity. The Company's share of the investee's underlying net income or loss is recorded to Other, net within Other income (expense).

Equity securities with readily determinable fair values are carried at fair value with changes in fair value recorded in Other, net within Other income (expense). Equity securities without readily determinable fair values are carried at cost, less impairments, if any, and adjusted for observable price changes for the identical or a similar investment of the same issuer. The Company performs a qualitative impairment assessment to determine if such investments are impaired. The qualitative assessment considers all available information, including declines in the financial performance of the issuing entity, the issuing entity's operating environment, and general market conditions. Impairments of equity securities without readily determinable fair values are recorded to Other, net within Other income (expense).

Inventories: Inventories are valued at the lower of cost (which approximates cost on a first-in, first-out basis) and net realizable value.

Property, Plant and Equipment: Property, plant and equipment are stated at cost less accumulated depreciation. Depreciation is recorded on a straight-line basis, based on the estimated useful lives of the assets (leasehold improvements, one to twenty years; machinery and equipment, one to fifteen years) and commences once the assets are ready for their intended use. When certain events or changes in operating conditions occur, useful lives of the assets may be adjusted or an impairment assessment may be performed on the recoverability of the carrying value.

Goodwill and Intangible Assets: Goodwill is assessed for impairment at least annually at the reporting unit level, or more frequently if events or circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying value level. The Company performs its annual assessment of goodwill for impairment as of the last day of the third quarter of each fiscal year, typically through a qualitative assessment. Indicators of impairment include: (i) macroeconomic conditions, (ii) industry and market conditions, (iii) cost factors, including product and selling, general and administrative costs, (iv) overall financial performance of the Company, (v) changes in share price, and (vi) other relevant company-specific events. If it is determined that it is more likely-than-not that the fair value of the reporting unit is less than its carrying amount, the Company will perform a quantitative goodwill impairment test, which compares the fair value of the reporting unit to its carrying value. A quantitative assessment includes the assignment of assets and liabilities to each of the Company's reporting units and an assessment of the fair value of each of the Company's reporting units. The Company utilizes an income approach (discounted cash flows) to estimate the fair value of each reporting unit, which is corroborated by market multiples when available and as appropriate. Key assumptions in the quantitative analysis include revenue growth rates (including long-term growth rates for terminal value assumptions), operating margin estimates, discount rates, and where applicable, the comparable multiples from publicly traded companies in the Company's industry.

If the carrying amount of a reporting unit exceeds its fair value, the Company would recognize an impairment loss in an amount equal to that excess, limited to the total amount of goodwill allocated to that reporting unit.

Intangible assets are amortized on a straight line basis over their respective estimated useful lives ranging from one to twenty years. The Company has no intangible assets with indefinite useful lives.

Leases: The Company leases certain office, factory and warehouse space, land and other equipment, principally under non-cancelable operating leases.

The Company determines if an arrangement is a lease at inception of the contract. The Company's key considerations in determining whether a contract is or contains a lease include establishing whether the supplier has the ability to use other assets to fulfill its service or whether the terms of the agreement enable the Company to control the use of a dedicated asset during the contract term. In the majority of the Company's contracts where it must identify whether a lease is present, it is readily determinable that the Company controls the use of the assets and obtains substantially all of the economic benefit during the term of the contract. In those contracts where identification is not readily determinable, the Company has determined that the supplier has either the ability to use another asset to provide the service or the terms of the contract give the supplier the right to operate the asset at its discretion during the term of the contract.

Right-of-use ("ROU") assets and operating lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at the commencement date. The Company's lease payments are typically fixed or contain fixed elements. The Company's ROU assets and operating lease liabilities are not subject to lease and non-lease components for all of its current lease categories and therefore, all consideration is included in lease payments. For the Company's leases consisting of land and other equipment (i.e., "communications network sites"), future payments are subject to variability due to changes in indices or rates. The Company values its ROU assets and lease liabilities based on the index or rate in effect at lease commencement. Future changes in the indices or rates are accounted for as variable lease costs. Other variable lease costs include items that are not fixed at lease commencement including property taxes, insurance, and operating charges that vary based on usage. ROU assets also include lease payments made in advance and are net of lease incentives.

As the majority of the Company's leases do not provide an implicit rate, the Company uses its incremental borrowing rates based on the information available at the commencement date in determining the present value of future payments. The Company's incremental borrowing rates are based on the term of the lease, the economic environment of the lease, and the effect of collateralization.

The Company's lease terms range from one to twenty-one years and may include options to extend the lease by one to ten years or terminate the lease after the initial non-cancelable term. The Company does not include options in the determination of the lease term for the majority of leases as sufficient economic factors do not exist that would compel it to continue to use the underlying asset beyond the initial non-cancelable term. However, for the Company's communications network site leases that are necessary to provide services to customers under managed service arrangements, the Company includes options in the lease term to the extent of the customer contracts to which those leases relate.

Impairment of Long-Lived Assets: Long-lived assets, which include intangible assets, held and used by the Company are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of assets may not be recoverable. The Company evaluates recoverability of assets to be held and used by comparing the carrying amount of an asset (group) to future net undiscounted cash flows to be generated by the asset (group). If an asset (group) is considered to be impaired, the impairment to be recognized is equal to the amount by which the carrying amount of the asset (group) exceeds the asset's (group's) fair value calculated using a discounted future cash flows analysis or market comparable analysis. Assets held for sale, if any, are reported at the lower of the carrying amount or fair value less cost to sell.

Income Taxes: The Company records deferred income tax assets and liabilities based on the estimated future tax effects of differences between the financial and tax bases of assets and liabilities based on currently enacted tax laws. The Company's deferred and other tax balances are based on management's interpretation of the tax regulations and rulings in numerous tax jurisdictions. Income tax expenses and liabilities recognized by the Company also reflect its best estimates and assumptions regarding, among other things, the level of future taxable income, the effect of the Company's various tax planning strategies, and uncertain tax positions. Future tax authority rulings and changes in tax laws, changes in projected levels of taxable income, and future tax planning strategies could affect the actual effective tax rate and tax balances recorded by the Company.

Long-Term Receivables: Long-term receivables include trade receivables where contractual terms of the note agreement are greater than one year. The Company estimates credit losses on accounts receivable based on historical losses and then takes into account estimates of current and future economic conditions. Long-term receivables are considered past due if payments have not been received according to the contractual terms of the note agreement, including principal and interest. Impaired long-term receivables are valued based on the present value of expected future cash flows discounted at the receivable's effective interest rate, or the fair value of the collateral if the receivable is collateral dependent. Interest income and late fees on impaired long-term receivables are recognized only when payments are received. Previously impaired long-term receivables are no longer considered impaired and are reclassified to performing when they have performed under restructuring for four consecutive quarters.

Environmental Liabilities: The Company maintains a liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Comprehensive Environmental Response, Compensation and Liability Act (commonly known as the "Superfund Act") incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. When the timing and amount of the future cash payments are fixed or reliably determinable, the Company discounts the future cash flows used in estimating the accrual using a risk-free treasury rate. The current portion of the estimated environmental liability is included in the Accrued liabilities statement line and the non-current portion is included in the Other liabilities statement line within the Company's Consolidated Balance Sheet.

Foreign Currency: Certain non-U.S. operations within the Company use their respective local currency as their functional currency. Those operations that do not have the U.S. dollar as their functional currency translate assets and liabilities at current rates of exchange in effect at the balance sheet date and revenues and expenses using rates that approximate those in effect during the period. The resulting translation adjustments are included as a component of Accumulated other comprehensive income (loss) in the Company's Consolidated Balance Sheet. For those operations that have transactions denominated in local currency which differs from functional currency, transactions denominated in the local currency are measured in their functional currency using the current rates of exchange for monetary assets and liabilities and historical rates of exchange for nonmonetary assets. Gains and losses from remeasurement of monetary assets and liabilities are included in Other within Other income (expense) within the Company's Consolidated Statements of Operations.

The Company uses financial instruments to reduce its overall exposure to the effects of currency fluctuations on cash flows. The Company's policy prohibits speculation in financial instruments for profit on exchange rate fluctuations, trading in currencies for which there are no underlying exposures, or entering into transactions for any currency to intentionally increase the underlying exposure.

The Company's strategy related to foreign exchange exposure management is to offset the gains or losses on the financial instruments against gains or losses on the underlying operational cash flows, net investments or monetary assets and liabilities based on the Company's assessment of risk. The Company enters into derivative contracts for some of its non-functional currency cash, receivables, and payables, which are primarily denominated in major currencies that can be traded on open markets. The Company typically uses forward contracts and options to hedge these currency exposures. In addition, the Company has entered into derivative contracts for some forecasted transactions or net investments in some of its overseas entities, which are designated as part of a hedging relationship if it is determined that the transaction qualifies for hedge accounting under the provisions of the authoritative accounting guidance for derivative instruments and hedging activities. A portion of the Company's exposure is from currencies that are not traded in liquid markets and these are addressed, to the extent reasonably possible, by managing net asset positions, product pricing and component sourcing.

Derivative Instruments: For foreign exchange contracts, not designated as hedging instruments, gains and losses are recorded immediately in Other income (expense) within the Consolidated Statements of Operations. For equity swap contracts, which do not qualify for hedge accounting, gains and losses are recorded immediately in Selling, general and administrative expenses within the Consolidated Statements of Operations. Gains and losses pertaining to instruments designated as net investment hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income. Components excluded from the assessment of hedge ineffectiveness in net investment hedges are included in Accumulated other comprehensive income at their initial value and amortized into Interest expense, net on a straight-line basis. Gains and losses pertaining to instruments designated as cash flow hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income.

Fair Value Measurements: The Company holds certain fixed income securities, equity securities and derivatives, which are recognized and disclosed at fair value in the financial statements. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants as of the measurement date and is measured using the fair value hierarchy. This hierarchy prescribes valuation techniques based on whether the inputs to each measurement are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the Company's assumptions about current market conditions. The prescribed fair value hierarchy and related valuation methodologies are as follows:

Level 1 — Quoted prices for identical instruments in active markets.

Level 2 — Quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-derived valuations, in which all significant inputs are observable, in active markets.

Level 3 — Valuations derived from valuation techniques, in which one or more significant inputs are unobservable.

Earnings Per Share: The Company calculates its basic earnings per share based on the weighted-average number of common shares issued and outstanding. Net earnings attributable to Motorola Solutions, Inc. is divided by the weighted-average number of common shares outstanding for the period to arrive at the basic earnings per share. Diluted earnings per share is calculated by dividing net earnings attributable to Motorola Solutions, by the sum of the weighted-average number of common shares used in the basic earnings per share calculation and the weighted-average number of common shares that would be issued assuming exercise or conversion of all potentially dilutive securities, excluding those securities that would be anti-dilutive to the earnings per share calculation. Both basic and diluted earnings per share amounts are calculated for net earnings attributable to Motorola Solutions for all periods presented.

Share-Based Compensation Costs: The Company grants share-based compensation awards and offers an employee stock purchase plan. The amount of compensation cost for these share-based awards is generally measured based on the fair value of the awards as of the date that the share-based awards are issued and adjusted to the estimated number of awards that are expected to vest. The fair values of stock options and stock appreciation rights are generally determined using a Black-Scholes option pricing model which incorporates assumptions about expected volatility, risk-free rate, dividend yield, and expected life. Performance-based stock options, performance stock units, and market stock units vest based on market conditions and are therefore measured under a Monte Carlo simulation in order to simulate a range of possible future unit prices for Motorola Solutions over the performance period. Compensation cost for share-based awards is recognized on a straight-line basis over the vesting period.

Defined Benefit Plans: The Company records annual expenses relating to its defined benefit plans based on calculations which include various actuarial assumptions, including discount rates, assumed asset rates of return, compensation increases, and turnover rates. The Company reviews its actuarial assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends. Under relevant accounting rules, when almost all of the plan participants are considered inactive, the amortization period for certain unrecognized gains and losses changes from the average remaining service period to the average remaining lifetime of the participants. As such, depending on the specific plan, the Company amortizes gains and losses over periods ranging from eight to twenty-five years. Prior service costs will be amortized over periods ranging from one to fifteen years. Benefits under all pension plans are valued based on the projected unit credit cost method. The Company utilizes a five-year, market-related asset value method of recognizing asset related gains and losses.

The benefit obligation and plan assets for the Company's defined benefit plans are presented on a net basis according to the plans' net funded status and measured as of December 31, 2024.

Recent Acquisitions:

On October 29, 2024, the Company acquired 3tc Software, a provider of control room software solutions for \$22 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of one year. The acquisition expands the Company's critical experience and innovation focused on advancing computer-aided dispatch ("CAD") for the U.K.'s public safety agencies. This business is part of the Software and Services segment.

On July 1, 2024, the Company acquired Noggin, a global provider of critical event management ("CEM") software for \$91 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$19 million to certain key employees that will be expensed over a service period of three years. This acquisition enhances the Company's portfolio by adding operational resilience and CEM capabilities, which help enterprises and critical infrastructure anticipate, prepare for and efficiently respond to incidents. The business is part of the Software and Services segment.

On July 1, 2024, the Company acquired a company that provides vehicle location and management solutions for \$132 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$3 million to certain key employees that will be expensed over a service period of three years. The acquisition expands the Company's video solutions within the Software and Services segment.

On February 13, 2024, the Company acquired Silent Sentinel, a provider of specialized, long-range cameras, for \$37 million, net of cash acquired. This acquisition complements the Company's portfolio of fixed video cameras, expanding its footprint with government and critical infrastructure customers and strengthens the Company's position as a global leader in end-to-end video security solutions. The business is part of the Products and Systems Integration segment.

On December 15, 2023, the Company acquired IPVideo, the creator of the HALO Smart Sensor, for \$170 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$5 million to certain key employees that will be expensed over a service period of one year. The HALO Smart Sensor is a multifunctional safety and security device with built-in vape detection and air quality monitoring, gunshot detection, abnormal noise and motion detection and emergency keyword detection. This acquisition adds sensor technology to the Company's physical security portfolio. The business is a part of the Products and Systems Integration segment.

On December 14, 2022, the Company acquired Rave Mobile, a leader in mass notification and incident management, for \$553 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$2 million to certain key employees that will be expensed over a service period of two years. This acquisition complements the Company's portfolio with a platform specifically designed to help organizations and public safety agencies communicate and collaborate during emergencies. The business is a part of the Software and Services segment.

On October 25, 2022, the Company acquired Futurecom, a leading provider of radio coverage extension solutions for public safety agencies, for \$30 million, net of cash acquired. Futurecom designs and manufactures radio frequency repeaters. This acquisition further expands the Company's communications network and device portfolios. The business is a part of the Products and Systems Integration segment.

On August 8, 2022, the Company acquired Barrett Communications, a global provider of specialized radio communications, for \$18 million, net of cash acquired. This acquisition complements the Company's existing radio portfolio, allowing the Company to use high frequency and very high frequency radio communications to support mission-critical operations. The business is a part of the Products and Systems Integration segment.

On May 12, 2022, the Company acquired Videotec, a global provider of ruggedized video security solutions, for \$23 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million

to certain key employees that will be expensed over a service period of one year. This acquisition extends the Company's breadth of high-performance video products, reinforcing the Company's strategy to be a global leader in video security solutions. The business is a part of the Products and Systems Integration segment.

On April 19, 2022, the Company acquired Calipsa, a technology leader in cloud-native advanced video analytics, for \$39 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of two years. This acquisition extends the Company's intelligent analytics across video security solutions and supports the accelerating trend of enterprises using cloud technologies to enhance safety and security. The business is a part of the Software and Services segment.

On March 23, 2022, the Company acquired TETRA Ireland, the provider of Ireland's National Digital Radio Service, for \$120 million, net of cash acquired. The Company was an initial shareholder of TETRA Ireland and acquired the remaining interest in the entity from the other shareholders. This acquisition expands the Company's portfolio of delivering mission-critical voice and data communications solutions to first responders and frontline workers. The business is part of the Software and Services segment.

On March 3, 2022, the Company acquired Ava, a global provider of cloud-native video security and analytics, for \$388 million, net of cash acquired. In addition, the Company issued restricted stock and restricted stock units at a fair value of \$7 million to certain key employees that will be expensed over an average service period of two years. This acquisition expands the Company's portfolio of intelligent video solutions that help to enhance safety and streamline operations. The business is a part of both the Products and Systems Integration segment and the Software and Services segment.

Recent Accounting Pronouncements:

In November 2024, the Financial Accounting Standards Board ("FASB") issued Accounting Standard Update ("ASU") No. 2024-03, "Disaggregation of Income Statement Expenses" (DISE), to enhance disclosures relating to key income statement expense topics. The ASU is effective for fiscal years beginning after December 15, 2026 and interim periods beginning in 2028, with early adoption permitted. The Company is still evaluating the complete impact of the adoption of this ASU on its disclosures.

In December 2023, the FASB issued ASU No. 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which expands disclosures in an entity's income tax rate reconciliation table and disclosures regarding cash taxes paid both in the U.S. and foreign jurisdictions. This ASU is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company anticipates that it will have additional disclosures regarding cash taxes and the income tax rate reconciliation once it adopts this ASU.

Recently Adopted Accounting Pronouncements:

In November 2023, the FASB issued ASU No. 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," to update reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The Company adopted ASU No. 2023-07 for the year ended December 31, 2024 and applied the required retrospective transition method. Refer to "Note 13: Information by Segment and Geographic Region" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for the related disclosures.

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**Revenue from
Contracts with
Customers**

**Revenue from
Contract with
Customer [Abstract]**

**Revenue from Contracts
with Customers**

Revenue from Contracts with Customers

Disaggregation of Revenue

The following table summarizes the disaggregation of our revenue by segment, geography, major product and service type and customer type for the years ended December 31, 2024, 2023 and 2022, consistent with the information reviewed by our chief operating decision maker, the chief executive officer, for evaluating the financial performance of reportable segments:

	Years Ended											
	2024			2023			2022					
	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total			
(in millions)												
Regions												
North America	\$ 5,097	\$ 2,723	\$ 7,820	\$ 4,507	\$ 2,425	\$ 6,932	\$ 4,286	\$ 2,088	\$ 6,374			
International	1,786	1,211	2,997	1,735	1,311	3,046	1,442	1,296	2,738			
	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112			
Major Products and Services												
LMR Communications	\$ 5,739	\$ 2,361	\$ 8,100	\$ 5,127	\$ 2,399	\$ 7,526	\$ 4,713	\$ 2,274	\$ 6,987			
Video	1,144	776	1,920	1,115	611	1,726	1,015	508	1,523			
Command Center	—	797	797	—	726	726	—	602	602			
	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112			
Customer Type												
Direct	\$ 4,238	\$ 3,586	\$ 7,824	\$ 3,619	\$ 3,396	\$ 7,015	\$ 3,368	\$ 3,057	\$ 6,425			
Indirect	2,645	348	2,993	2,623	340	2,963	2,360	327	2,687			
	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112			

Remaining Performance Obligations

Remaining performance obligations represent the revenue that is expected to be recognized in future periods related to performance obligations that are unsatisfied, or partially unsatisfied, as of the end of a period. The transaction value associated with remaining performance obligations which were not yet satisfied as of December 31, 2024 was \$9.4 billion. A total of \$4.1 billion was from Products and Systems Integration performance obligations that were not yet satisfied, of which \$2.3 billion is expected to be recognized in the next twelve months. The remaining amounts will generally be satisfied over time as systems are implemented. Remaining performance obligations from the Products and Systems Integration segment are equal to disclosed backlog for the segment. A total of \$5.3 billion was from Software and Services performance obligations that were not yet satisfied as of December 31, 2024. The determination of Software and Services performance obligations that are not satisfied

takes into account a contract term that may be limited by the customer's ability to terminate for convenience. Where termination for convenience exists in the Company's services contracts, its disclosure of the remaining performance obligations that are unsatisfied assumes the contract term is limited until renewal. As a result, remaining performance obligations from the Software and Services segment may be less than disclosed backlog in the software and Services segment due to multi-year service contracts with termination for convenience clauses. The Company expects to recognize \$1.8 billion from unsatisfied Software and Services performance obligations over the next twelve months, with the remaining performance obligations to be recognized over time as services are performed and software is implemented.

In 2023, the Competition and Markets Authority (the "CMA") imposed a legal order on Airwave which implemented a prospective price control on Airwave (the "Charge Control"). Our remaining performance obligations for Airwave services contracted with the Home Office of the United Kingdom (the "Home Office") through December 31, 2026 was reduced by \$777 million and since August 1, 2023 our revenue under the Airwave contract has been recognized in accordance with the Charge Control. On March 13, 2024, the Company received notice of the contract extension (the "Deferred National Shutdown Notice") from the Home Office, recording additional remaining performance obligations of \$748 million in the Software and Services segment to reflect the incremental three-years of services.

Contract Balances

December 31 (in millions)	2024	2023	2022
Accounts receivable, net	\$ 1,952	\$ 1,710	\$ 1,518
Contract assets	1,230	1,102	974
Contract liabilities	2,072	2,037	1,859
Non-current contract liabilities	496	424	363

Payment terms on system contracts are typically tied to implementation milestones associated with progress on contracts, while revenue recognition is over time based on a cost-to-cost method of measuring performance. The Company may recognize a Contract asset or Contract liability, depending on whether revenue has been recognized in excess of billings or billings in excess of revenue. Services contracts are typically billed in advance, generating Contract liabilities until the Company has performed the services. The Company does not record a financing component to contracts when it expects, at contract inception, that the period between the transfer of a promised good or service and related payment terms are less than a year.

Revenue recognized during the years ended December 31, 2024 and 2023 which was previously included in Contract liabilities as of January 1, 2024 and 2023, respectively, was \$1.3 billion, compared to \$1.1 billion of revenue recognized during the year ended December 31, 2022 which was previously included in Contract liabilities as of January 1, 2022. Revenue of \$28 million was reversed during the year ended December 31, 2024 related to performance obligations satisfied, or partially satisfied, in previous periods, primarily driven by changes in the estimates of progress on system contracts, compared to \$37 million during the year ended December 31, 2023 and \$26 million during the year ended December 31, 2022.

There have been no material expected credit losses recognized on contract assets during the year ended December 31, 2024.

Contract Cost Balances

December 31 (in millions)	2024	2023	2022
Current contract cost assets	\$ 70	\$ 56	\$ 61
Non-current contract cost assets	141	119	130

Contract cost assets include incremental costs to obtain a contract, primarily related to the Company's sales incentive plans, and certain costs to fulfill contracts. Contract cost assets are amortized into expense over a period that follows the passage of control to the customer over time. Incremental costs to obtain a contract with the Company's sales incentive plans are accounted for under a portfolio approach, with amortization ranging from one year to eight years to approximate the recognition of revenues over time. Where incremental costs to obtain a contract will be recognized in one year or less, the Company applies a practical expedient around expensing amounts as incurred. Amortization of contract cost assets was \$51 million for the year ended December 31, 2024, compared to \$61 million as of the year ended December 31, 2023 and \$62 million as of the year ended December 31, 2022.

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Leases

Leases [Abstract]

Leases

Leases

The Company leases certain office, factory and warehouse space, land and other equipment under various operating leases.

Components of Lease Expense

(in millions)	December 31, 2024	December 31, 2023	December 31, 2022
Lease expense:			
Operating lease cost	\$ 140	\$ 140	\$ 130
Short-term lease cost	1	1	1
Variable cost	47	36	33
Sublease income	(5)	(5)	(5)
Net lease expense from operating leases	\$ 183	\$ 172	\$ 159

Operating Lease Assets and Liabilities

(in millions)	Statement Line Classification	December 31, 2024	December 31, 2023
Right-of-use lease assets	Operating lease assets	\$ 529	\$ 495
Current lease liabilities	Accrued liabilities	127	125
Operating lease liabilities	Operating lease liabilities	427	407

Other Information Related to Leases

(in millions)	December 31, 2024	December 31, 2023	December 31, 2022
Supplemental cash flow information:			
Net cash used for operating activities related to operating leases	\$ 152	\$ 147	\$ 145
Right-of-use assets obtained in exchange for lease liabilities	\$ 150	\$ 98	\$ 221

During the year ended December 31, 2024, the Company recorded \$80 million of assets obtained in exchange for lease liabilities due to an assumption that it is reasonably certain that renewal options will be extended on its radio tower site leases operated within the Airwave radio network, consistent with the Home Office's notice of contract extension pursuant to their Deferred National Shutdown Notice through December 31, 2029. In addition, assets obtained in exchange for liabilities during the year ended December 31, 2024 included \$24 million of additional leases due to the renewal of a large managed services contract due to an assumption that it is reasonably certain that renewal options will be extended on the associated radio tower site leases. The Company recorded \$19 million of assets obtained in exchange for lease liabilities related to the ten year renewal of an international region office. During the year ended December 31, 2023, the Company included \$66 million of additional leases due to renewals of three large managed service contracts due to an assumption that it is reasonably certain that renewal options will be extended on the associated radio tower site leases.

	December 31, 2024	December 31, 2023	
Weighted average remaining lease terms (years)		5	5
Weighted average discount rate	3.97 %		4.34 %
Future Lease Payments			
December 31 (in millions)		Amount	
2025		\$	146
2026			128
2027			109
2028			84
2029			63
Thereafter			83
Total lease payments		\$	613
Less: Interest			59
Present value of operating lease liabilities		\$	554

Leases

The Company leases certain office, factory and warehouse space, land and other equipment under various operating leases.

Components of Lease Expense

(in millions)	December 31, 2024	December 31, 2023	December 31, 2022
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Variable cost	47	36	33
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Net lease expense from operating leases	\$ 183	\$ 172	\$ 159
Operating Lease Assets and Liabilities			
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Other Information Related to Leases			
(in millions)	December 31, 2024	December 31, 2023	December 31, 2022
Supplemental cash flow information:			
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	December 31, 2024	December 31, 2023	
Weighted average remaining lease terms (years)		5	5
Weighted average discount rate	3.97 %		4.34 %
Future Lease Payments			
December 31 (in millions)		Amount	
2025		\$	146
2026			128
2027			109
2028			84
2029			63
Thereafter			83
Total lease payments		\$	613
Less: Interest			59
Present value of operating lease liabilities		\$	554

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Other Financial Data

12 Months Ended
Dec. 31, 2024

[Organization, Consolidation and Presentation of Financial Statements \[Abstract\]](#)

[Other Financial Data](#)

Other Financial Data

Statement of Operations Information

Other Charges (Income)

Other charges (income) included in Operating earnings consist of the following:				
Years ended December 31 (in millions)	2024	2023	2022	
Other charges (income):				
Intangibles amortization (Note 15)	\$ 152	\$ 177	\$ 257	
Reorganization of businesses (Note 14)	26	22	18	
Legal settlements	7	4	23	
Fixed asset impairments	2	3	12	
Environmental reserve expense	2	15	—	
Exit of video manufacturing operations	—	24	—	
Operating lease asset impairments	6	6	24	
Acquisition-related transaction fees	20	7	23	
Gain on Hytera litigation	(61)	—	(15)	
Other	1	(1)	(3)	
	\$ 155	\$ 257	\$ 339	

During the year ended December 31, 2024, the Company recognized a gain on the Hytera litigation of \$61 million for amounts recovered through legal proceedings due to theft of the Company's trade secrets. Refer to "Hytera Civil Litigation" within "Note 12: Commitments and Contingencies" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for further discussion regarding the Hytera litigation.

During the year ended December 31, 2023, the Company revised the estimate for its liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Superfund Act, incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. During the year ended December 31, 2023, the Company became aware of incremental costs required in its remediation of the Superfund site. As such, the Company recorded a charge of \$15 million, increasing the reserve balance to \$127 million. The Company discounted the cash flows used in estimating this accrual using a risk-free treasury rate. As of December 31, 2024, the current portion of the estimated environmental liability is \$9 million and is included in the Accrued liabilities statement line and the non-current portion is \$119 million and is included in the "Other liabilities" statement line within the Company's Consolidated Balance Sheets.

During the year ended December 31, 2023, the Company entered into an arrangement to sell its Richmond, British Columbia and Richardson, Texas video manufacturing operations, including the machinery and equipment, inventory, transfer of employees and related facility lease to a contract manufacturer. During the year ended December 31, 2023, the Company presented the assets and liabilities as held for sale in its Consolidated Balance Sheets and recognized an impairment loss of \$24 million on the exit of these video manufacturing operations within Other charges in the Consolidated Statements of Operations, as the carrying value of the asset group was below the expected selling price. The transaction closed on February 1, 2024 resulting in a gain on the sale of these video manufacturing operations, which was de minimis.

Other Income (Expense)				
Interest expense, net, and Other both included in Other income (expense) consist of the following:				
Years ended December 31 (in millions)	2024	2023	2022	
Interest expense, net:				
Interest expense	\$ (295)	\$ (249)	\$ (240)	
Interest income	68	33	14	
	\$ (227)	\$ (216)	\$ (226)	
Other, net:				
Net periodic pension and postretirement benefit (Note 8)	\$ 132	\$ 99	\$ 123	
Loss from the extinguishment of long-term debt (Note 5)	(585)	—	(6)	
Investment impairments	(3)	(16)	(1)	
Foreign currency gain (loss)	2	(53)	37	
Gain (loss) on derivative instruments (Note 6)	(19)	20	(61)	
Loss on equity method investments	—	—	(3)	
Fair value adjustments to equity investments	(5)	13	(30)	
Gain on TETRA Ireland equity method investment	—	—	21	
Assessments on uncertain tax positions (Note 7)	(11)	—	—	
Other	—	5	(3)	
	\$ (489)	\$ 68	\$ 77	

Earnings Per Common Share

Basic and diluted earnings per common share from net earnings attributable to Motorola Solutions, Inc. are computed as follows:

Years ended December 31	Amounts attributable to Motorola Solutions, Inc. common stockholders			
	Net Earnings			
	2024	2023	2022	
Basic earnings per common share:				
Earnings	\$ 1,577	\$ 1,709	\$ 1,363	
Weighted average common shares outstanding	166.8	167.0	167.5	
Per share amount	\$ 9.45	\$ 10.23	\$ 8.14	
Diluted earnings per common share:				
Earnings	\$ 1,577	\$ 1,709	\$ 1,363	
Weighted average common shares outstanding	166.8	167.0	167.5	
Add effect of dilutive securities:				
Share-based awards	4.0	3.7	3.7	
1.75% senior convertible notes	—	1.5	0.7	
Diluted weighted average common shares outstanding	170.8	172.1	171.9	
Per share amount	\$ 9.23	\$ 9.93	\$ 7.93	

In 2022 and 2023, the Company had \$1.0 billion of 1.75% senior convertible notes outstanding (the "Silver Lake Convertible Debt"). The notes were convertible based on a rate of 4.9670 per \$1,000 principal amount as of December 31, 2023 (equal to a conversion price of \$201.33 per share), adjusted for dividends declared through the date of settlement. In 2021, the Company's Board of Directors approved an irrevocable determination requiring the future settlement of the Silver Lake Convertible Debt to be in cash. Because the Company irrevocably decided to settle the principal amount of the Silver Lake Convertible Debt in cash, the Company did not reflect any shares underlying the Silver Lake Convertible Debt in its diluted weighted average shares outstanding until the average stock price per share for the period exceeded the conversion price. For the years ended December 31, 2022 and December 31, 2023, the Company included the number of shares that would be issuable upon conversion in the Company's computation of diluted earnings per share, based on the amount by which the average stock price exceeded the conversion price. In 2024, the Company repurchased the \$1.0 billion aggregate principal amount of the Silver Lake Convertible Debt for aggregate consideration of \$1.59 billion in cash, inclusive of the conversion premium, recognizing a loss on the extinguishment of \$585 million. Accordingly, in the computation of diluted earnings per common share for the year ended December 31, 2024, a total of 0.2 million shares related to the Silver Lake Convertible Debt were excluded from the computation of diluted earnings per common share because their inclusion would have been antidilutive. Refer to "Note 5: Debt and Credit Facilities" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for more information regarding the repurchase.

In the computation of diluted earnings per common share for the year ended December 31, 2024, the assumed exercise of 0.1 million options were excluded because their inclusion would have been antidilutive. In the computation of diluted earnings per common share for the year ended December 31, 2023, the assumed exercise of 0.3 million options, including 0.2 million subject to market-based contingent option agreements, were excluded because their inclusion would have been antidilutive. In the computation of diluted earnings per common share for the year ended December 31, 2022, the assumed exercise of 0.3 million options, including 0.1 million subject to market-based contingent option agreements, were excluded because their inclusion would have been antidilutive.

Balance Sheet Information

Accounts Receivable, Net

Accounts receivable, net, consists of the following:

December 31	2024	2023
Accounts receivable	\$ 2,035	\$ 1,779
Less allowance for credit losses	(83)	(69)
	\$ 1,952	\$ 1,710

Inventories, Net

Inventories, net, consist of the following:

December 31	2024	2023
Finished goods	\$ 396	\$ 328
Work-in-process and production materials	498	640
	894	968
Less inventory reserves	(128)	(141)
	\$ 766	\$ 827

Other Current Assets

Other current assets consist of the following:

December 31	2024	2023
Current contract cost assets (Note 2)	\$ 70	\$ 56
Contractor receivables	40	40
Tax-related deposits (Note 7)	54	32
Other	261	229
	\$ 429	\$ 357

Property, Plant and Equipment, Net

Property, plant and equipment, net, consist of the following:

December 31	2024	2023
Land	\$ 5	\$ 5
Leasehold improvements	441	448
Machinery and equipment	2,243	2,396
	2,689	2,849
Less accumulated depreciation	(1,667)	(1,885)
	\$ 1,022	\$ 964

Depreciation expense for the years ended December 31, 2024, 2023, and 2022 was \$184 million, \$179 million and \$183 million, respectively.

Investments

Investments consist of the following:

December 31	2024	2023
Common stock	\$ 23	\$ 28
Strategic investments, at cost	26	28
Company-owned life insurance policies	75	74
Equity method investments	11	13
	\$ 135	\$ 143

Other Assets

Other assets consist of the following:

December 31	2024	2023
Defined benefit plan assets (Note 8)	\$ 162	\$ 98
Non-current contract cost assets (Note 2)	141	119
Other	72	57
	\$ 375	\$ 274

Accounts Payable

The Company utilizes a supplier finance program that provides suppliers with the ability to accelerate payment on the Company's invoices beyond the stated payment terms. Under the terms of this program, the Company agrees to pay an intermediary the stated amount of confirmed invoices on the stated maturity dates of the invoices, and the supplier is able to negotiate earlier payment terms with the intermediary. The Company or the intermediary may terminate the agreement at any time upon 60 days' notice. The Company does not provide any forms of guarantees under this arrangement. Supplier participation in the program is solely at the supplier's discretion, and the participating suppliers negotiate their arrangements directly with the intermediary. The Company has no economic interest in a supplier's decision to participate in the program, and their participation has no bearing on our payment terms or amounts due. The stated invoice payment terms range from 75 to 120 days from the invoice date and are considered commercially reasonable.

The Company's outstanding amounts related to the suppliers participating in this program was \$38 million and \$35 million as of December 31, 2024 and December 31, 2023, respectively. Supplier finance program obligations are classified as Accounts payable within the Consolidated Balance Sheets. The following table displays a rollforward of the confirmed amount of supplier finance obligations from January 1, 2023 to December 31, 2024:

(in millions)	2024	2023
Confirmed obligations at the beginning of the year	\$ 35	\$ 37
Invoices confirmed during the year	139	114
Confirmed invoices paid during the year	(136)	(116)
Confirmed obligations outstanding at the end of the year	\$ 38	\$ 35

Accrued Liabilities

Accrued liabilities consist of the following:

December 31	2024	2023
Compensation	\$ 406	\$ 407
Tax liabilities (Note 7)	217	231
Dividend payable	182	163
Trade liabilities	160	140
Operating lease liabilities (Note 3)	127	125
Customer reserves	97	89
Other	454	349
	\$ 1,643	\$ 1,504

Other Liabilities

Other liabilities consist of the following:

December 31	2024	2023
Defined benefit plans (Note 8)	\$ 768	\$ 939
Non-current contract liabilities (Note 2)	496	424
Unrecognized tax benefits (Note 7)	39	26
Deferred income taxes (Note 7)	87	55
Environmental Reserve	119	119
Deferred compensation	89	70
Other	121	108
	\$ 1,719	\$ 1,741

Stockholders' Equity Information

Share Repurchase Program: Through a series of actions, the Board of Directors has authorized the Company to repurchase in the aggregate up to \$18.0 billion of its outstanding shares of common stock (the "share repurchase program"). The share repurchase program does not have an expiration date. As of December 31, 2024, the Company had used approximately \$15.8 billion of the share repurchase authority to repurchase shares, leaving approximately \$2.2 billion of authority available for future repurchases. During the year ended December 31, 2024, the Company paid \$3 million of 1% excise tax pursuant to the Inflation Reduction Act of 2022, related to its 2023 share repurchases in excess of issuances.

The Company's share repurchases for 2024, 2023, and 2022 can be summarized as follows:

Year	Shares Repurchased (in millions)	Average Price	Amount (in millions)
2024	0.6	\$ 396.69	\$ 244
2023	2.9	278.56	804
2022	3.7	225.00	836

Payment of Dividends: On November 14, 2024, the Company announced that its Board of Directors approved an increase in the quarterly cash dividend from \$0.98 per share of common stock to \$1.09 per share of common stock. During the years ended December 31, 2024, 2023, and 2022 the Company paid \$654 million, \$589 million, and \$530 million, respectively, in cash dividends to holders of its common stock. On January 15, 2025, the Company paid an additional \$182 million in cash dividends to holders of its common stock.

Accumulated Other Comprehensive Loss

The following table displays the changes in Accumulated other comprehensive loss, including amounts reclassified into income, and the affected line items in the Consolidated Statements of Operations during the years ended December 31, 2024, 2023, and 2022:

	Years ended December 31		
	2024	2023	2022
Foreign Currency Translation Adjustments:			
Balance at beginning of period	\$ (482)	\$ (539)	\$ (384)
Other comprehensive income (loss) before reclassification adjustment	(66)	61	(156)
Tax benefit (expense)	2	(4)	1
Other comprehensive income (loss), net of tax	(64)	57	(155)
Balance at end of period	\$ (546)	\$ (482)	\$ (539)
Derivative Instruments:			
Balance at beginning of period	\$ (12)	\$ —	\$ —
Other comprehensive income (loss) before reclassification adjustment	4	(12)	—
Reclassification adjustment into Interest expense, net	1	—	—
Other comprehensive income (loss), net of tax	5	(12)	—
Balance at end of period	\$ (7)	\$ (12)	\$ —
Defined Benefit Plans:			
Balance at beginning of period	\$ (2,046)	\$ (1,996)	\$ (1,995)
Other comprehensive income (loss) before reclassification adjustment	44	(130)	(76)
Tax benefit (expense)	(9)	34	18
Other comprehensive income (loss) before reclassification adjustment, net of tax	35	(96)	(58)
Reclassification adjustment - Actuarial net losses into Other income (expense)	34	61	80
Reclassification adjustment - Prior service benefits into Other income (expense)	—	1	(2)
Tax expense	(9)	(16)	(21)
Reclassification adjustments into Net earnings, net of tax	25	46	57
Other comprehensive income (loss), net of tax	60	(50)	(1)
Balance at end of period	\$ (1,986)	\$ (2,046)	\$ (1,996)
Total Accumulated other comprehensive loss	\$ (2,539)	\$ (2,540)	\$ (2,535)

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Debt and Credit Facilities

Debt Disclosure [Abstract]

Debt and Credit Facilities

12 Months Ended
Dec. 31, 2024

Debt and Credit Facilities

Long-Term Debt

	2024	2023	
December 31			
4.0% senior notes due 2024	\$ —	\$ —	313
1.75% senior convertible notes due 2024			1,000
7.5% debentures due 2025		252	252
6.5% debentures due 2025		70	70
4.6% senior notes due 2028		696	695
6.5% debentures due 2028		24	25
5.0% senior notes due 2029		396	—
4.6% senior notes due 2029		802	802
2.3% senior notes due 2030		895	894
2.75% senior notes due 2031		846	845
5.6% senior notes due 2032		596	595
5.4% senior notes due 2034		893	—
6.625% senior notes due 2037		38	38
5.5% senior notes due 2044		397	397
5.22% debentures due 2097		93	93
		5,998	6,019
Adjustments for unamortized gains on interest rate swap terminations		(1)	(1)
Less: current portion		(322)	(1,313)
Long-term debt	\$ 5,675	\$ 4,705	

During the year ended December 31, 2024, the Company repaid the \$313 million aggregate principal amount of 4.0% senior notes due 2024.

As of December 31, 2024, \$252 million of 7.5% debentures, which mature in May 2025, and \$70 million of 6.5% debentures, which mature in September 2025, were presented as the Current portion of long-term debt within the Company's Consolidated Balance Sheets, as the debentures mature within the next twelve months.

On September 5, 2019, the Company entered into an agreement with Silver Lake Partners to issue \$1.0 billion of 1.75% senior convertible notes which were scheduled to mature in September 2024 (the "Silver Lake Convertible Debt"), which became fully convertible on September 5, 2021. In 2024, the Company repurchased the \$1.0 billion aggregate principal amount of the Silver Lake Convertible Debt for aggregate consideration of \$1.59 billion in cash, inclusive of the conversion premium. The repurchase of the Silver Lake Convertible Debt was accounted for as an extinguishment of debt, as the repurchase was negotiated under economically favorable terms outside of the original contractual conversion rate. A loss on the extinguishment of \$585 million was recorded, representing the excess amounts repurchased over the carrying value of debt of \$593 million, offset by accrued interest of \$8 million. The loss on the extinguishment of debt was recorded within Other Income (Expense) in the Consolidated Statements of Operations during the year ended December 31, 2024.

On March 25, 2024, the Company issued \$400 million of 5.0% senior notes due 2029 and \$900 million of 5.4% senior notes due 2034. The Company recognized net proceeds of \$1.3 billion after debt issuance costs and discounts. A portion of proceeds from the issuance of these notes was used to repurchase the \$1.0 billion aggregate principal amount of the Silver Lake Convertible Debt in 2024.

The Company has an unsecured commercial paper program, backed by the 2021 Motorola Solutions Credit Agreement (defined below), under which the Company may issue unsecured commercial paper notes up to a maximum aggregate principal amount of \$2.2 billion outstanding at any one time. Proceeds from the issuances of the commercial paper notes are expected to be used for general corporate purposes. The notes are issued at a zero-coupon rate and are issued at a discount which reflects the interest component. At maturity, the notes are paid back in full including the interest component. The notes are not redeemable prior to maturity. As of December 31, 2024 the Company had no outstanding debt under the commercial paper program.

Aggregate requirements for long-term debt maturities during the next five years are as follows: \$322 million in 2025, no maturities in 2026 or 2027, \$724 million in 2028 and \$1.2 billion in 2029.

Credit Facilities

As of December 31, 2024, the Company had a \$2.25 billion syndicated, unsecured revolving credit facility scheduled to mature in March 2026 (the "2021 Motorola Solutions Credit Agreement"). The 2021 Motorola Solutions Credit Agreement includes a letter of credit sub-limit and fronting commitments of \$450 million. An annual facility fee is payable on the undrawn amount of the credit line. The interest rate and facility fee are subject to adjustment if the Company's credit rating changes. The Company must comply with certain customary covenants including a maximum leverage ratio, as defined in the 2021 Motorola Solutions Credit Agreement. The Company was in compliance with its financial covenants as of December 31, 2024.

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Risk Management

Derivative Instruments and Hedging Activities Disclosure [Abstract]

Risk Management

12 Months Ended
Dec. 31, 2024

Risk Management

Foreign Currency Risk

The Company had outstanding foreign exchange contracts with notional amounts totaling \$1.0 billion and \$1.3 billion at December 31, 2024 and December 31, 2023, respectively. The Company does not believe these financial instruments should subject it to undue risk due to foreign exchange movements because gains and losses on these contracts should generally offset gains and losses on the underlying assets, liabilities and transactions.

The following table shows the Company's five largest net notional amounts of the positions to buy or sell foreign currency as of December 31, 2024 and the corresponding positions as of December 31, 2023:

Net Buy (Sell) by Currency	2024	Notional Amount	2023
Euro	\$ 150	\$ 322	
Australian dollar	(136)	(140)	
British pound	124	252	
Canadian dollar	70	76	
Chinese renminbi	(48)	(66)	

Counterparty Risk

The use of derivative financial instruments exposes the Company to counterparty credit risk in the event of non-performance by counterparties. However, the Company's risk is limited to the fair value of the instruments when the derivative is in an asset position. The Company actively monitors its exposure to credit risk. As of December 31, 2024, all of the counterparties had investment grade credit ratings. As of December 31, 2024, the credit risk with all derivative counterparties was approximately \$10 million.

Derivative Financial Instruments

The following tables summarize the fair values and location in the Consolidated Balance Sheet of all derivative financial instruments held by the Company at December 31, 2024 and 2023:

December 31, 2024	Fair Values of Derivative Instruments	
	Other Current Assets	Accrued Liabilities
Derivatives designated as hedging instruments:		
Foreign exchange contracts	\$ 7	\$ —
Derivatives not designated as hedging instruments:		
Foreign exchange contracts	\$ 3	\$ 9
Equity swap contracts	\$ —	\$ 1
Total derivatives	\$ 10	\$ 10

December 31, 2023	Fair Values of Derivative Instruments	
	Other Current Assets	Accrued Liabilities
Derivatives designated as hedging instruments:		
Foreign exchange contracts	\$ 1	\$ 3
Treasury rate lock	—	12
Derivatives not designated as hedging instruments:		
Foreign exchange contracts	12	1
Equity swap contracts	1	—
Total derivatives	\$ 14	\$ 16

The following table summarizes the effect of derivatives on the Company's consolidated financial statements for the years ended December 31, 2024, 2023 and 2022:

	Financial Statement Location	2024	2023	2022
Derivatives designated as hedging instruments:				
Foreign exchange contracts	Accumulated other comprehensive income (loss)	\$ 9	\$ (4)	\$ 12
Forward points recognized	Other income (expense)	2	3	2
Treasury rate lock settlement	Accumulated other comprehensive income (loss)	4	(12)	—
Amortization of treasury rate lock	Other income (expense)	(1)	—	—
Derivatives not designated as hedging instruments:				
Foreign exchange contracts	Other income (expense)	\$ (19)	\$ 20	\$ (61)
Equity swap contracts	Selling, general and administrative expenses	3	1	—

Net Investment Hedges

The Company uses foreign exchange forward contracts to hedge against the effect of the British pound and the Euro exchange rate fluctuations against the U.S. dollar on a portion of its net investment in certain European operations. The Company recognizes changes in the fair value of the net investment hedges as a component of foreign currency translation adjustments within Other comprehensive income to offset a portion of the change in translated value of the net investments being hedged, until the investments are sold or liquidated. As of December 31, 2024, the Company had €100 million of net investment hedges in certain Euro functional subsidiaries and £50 million of net investment hedges in certain British pound functional subsidiaries.

The Company excludes the difference between the spot rate and the forward rate of the forward contract from its assessment of hedge effectiveness. The effect of the forward points recognized is amortized on a straight line basis and recognized through interest expense within Other income (expense) in the Consolidated Statement of Operations.

Equity Swap Contracts

The Company uses equity swap contracts which serve as economic hedges against volatility within the equity markets, impacting the Company's deferred compensation plan obligations. These contracts are not designated as hedges for accounting purposes. Unrealized gains and losses on these contracts are included in Selling, general and administrative expenses in the Consolidated Statements of Operations. The notional amount of these contracts as of December 31, 2024 was \$19 million.

Treasury Rate Lock

In 2023, the Company entered into treasury rate lock agreements which locked in the interest rate for \$200 million in future debt issuances. The treasury rate lock agreements were designated and qualified as cash flow hedges. During the year ended December 31, 2024, the Company issued \$900 million of 5.4% senior notes due 2034 (the "2034 notes"). The treasury rate lock agreements were terminated upon the issuance of the 2034 notes for a net settlement loss of \$8 million. The accumulated loss recorded in Accumulated other Comprehensive Income (AOCI) will be reclassified to Interest expense, net on a straight-line basis over the 10-year term of the 2034 notes.

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Income Taxes

Income Tax Disclosure [Abstract] Income Taxes

Income Taxes

Components of Income Tax Expense

Components of earnings before income taxes are as follows:

Years ended December 31	2024	2023	2022
United States	\$ 1,705	1,744	1,312
Other nations	267	402	203
	\$ 1,972	2,146	1,515

Components of income tax expense are as follows:

Years ended December 31	2024	2023	2022
United States Federal	\$ 434	\$ 269	\$ 240
Other nations	38	125	159
States (U.S.)	133	70	83
Current income tax expense	605	464	482
United States Federal	(221)	(30)	(179)
Other nations	40	(9)	(118)
States (U.S.)	(34)	7	(37)
Deferred income tax benefit	(215)	(32)	(334)
Total income tax expense	\$ 390	\$ 432	\$ 148

Differences between income tax expense computed at the U.S. federal statutory tax rate of 21% and income tax expense as reflected in the Consolidated Statements of Operations are as follows:

Years ended December 31	2024	2023	2022
Income tax expense at statutory rate	\$ 414	\$ 450	\$ 318
State income taxes, net of federal benefit	66	71	76
Non-U.S. tax expense on non-U.S. earnings	24	15	1
U.S. tax expense (benefit) on undistributed non-U.S. earnings	(27)	(44)	(43)
IP reorganization	(171)	—	(77)
Extinguishment of Silver Lake convertible debt	148	—	—
Stock compensation	(45)	(33)	(68)
Valuation allowances	5	(13)	(51)
Research credits	(24)	(19)	(16)
Reserve for uncertain tax positions	(6)	(3)	(6)
Other tax expense (benefit)	6	8	14
	\$ 390	\$ 432	\$ 148

The effective tax rate for 2024 was below the current U.S. federal statutory rate of 21% primarily due to the tax benefit recognized upon the Company's decision to implement a business initiative in 2024 which allows for additional utilization of foreign tax credit carryforwards and a higher federal derived intangible income deduction on its 2023 U.S. tax return, the recognition of excess tax benefits on share-based compensation, the 2024 estimated foreign derived intangible income deduction, and generation of research and development credits, partially offset by the non-tax deductible loss on the extinguishment of the Silver Lake Convertible Debt and 2024 estimated U.S. state income taxes.

In 2021, the Organization of Economic Cooperation and Development ("OECD") introduced its Pillar Two Framework Model Rules ("Pillar 2"), that was supported by over 130 countries worldwide, which is designed to impose a 15% global minimum tax on adjusted financial results. Certain aspects of Pillar 2 took effect on January 1, 2024, while other aspects go into effect on January 1, 2025. The Company continues to evaluate the potential impact of Pillar 2 on its business, as the countries in which it operates continue to enact legislation implementing Pillar 2. While many aspects of the application of Pillar 2 continue to be clarified, Pillar 2 did not materially impact the Company's 2024 tax liability, and is not expected to have a material impact in future years.

Deferred tax balances that were recorded within Accumulated other comprehensive loss in the Company's Consolidated Balance Sheet, rather than Income tax expense, are the result of retirement benefit adjustments and currency translation adjustments. The adjustments were charges of \$16 million for the year ended December 31, 2024, benefits of \$14 million for the year ended December 31, 2023, and charges of \$2 million for the year ended December 31, 2022.

The Company evaluates its permanent reinvestment assertions with respect to foreign earnings at each reporting period and generally, except for certain earnings that the Company intends to reinvest indefinitely due to the capital requirements of the foreign subsidiaries or due to local country restrictions, accrues for the U.S. federal and foreign income tax applicable to the earnings. As a result of the 2017 U.S. Tax Cuts and Jobs Act ("the Tax Act"), dividends from foreign subsidiaries are now exempt or the earnings have been previously subject to U.S. tax. As a result, the tax accrual for undistributed foreign earnings is limited primarily to foreign withholding taxes and tax on inherent capital gains that would result from distribution of foreign earnings which are not permanently reinvested, and such earnings may be distributed without an additional charge.

Undistributed foreign earnings that the Company intends to reinvest indefinitely amounted to, in the aggregate, \$2.0 billion at December 31, 2024. It is impracticable to determine the exact amount of unrecognized deferred tax liabilities on such earnings; however, due to the above-mentioned changes made under the Tax Act, the Company believes that the additional U.S. or foreign income tax charge with respect to such earnings, if distributed, would be immaterial.

Gross deferred tax assets were \$2.4 billion and \$2.1 billion for December 31, 2024 and December 31, 2023, respectively. Deferred tax assets, net of valuation allowances, were \$2.4 billion and \$2.0 billion at December 31, 2024 and December 31, 2023, respectively. Gross deferred tax liabilities were \$1.2 billion and \$1.0 billion at December 31, 2024 and December 31, 2023, respectively.

Significant components of deferred tax assets (liabilities) are as follows:

December 31	2024	2023
Inventory	\$ 30	\$ 30
Accrued liabilities and allowances	87	77
Employee benefits	221	270
Capitalized items	391	146
Tax basis differences on investments	2	4
Depreciation tax basis differences on fixed assets	(31)	(2)
Undistributed non-U.S. earnings	(23)	(28)
Tax attribute carryforwards	98	115
Business reorganization	7	9
Warranty and customer liabilities	24	22
Deferred revenue and costs	420	406
Valuation allowances	(62)	(63)
Operating lease assets	(128)	(120)
Operating lease liabilities	134	129
Other	24	10
	\$ 1,194	\$ 1,005

At December 31, 2024 and December 31, 2023, the Company had valuation allowances of \$62 million and \$63 million, respectively, against its deferred tax assets, including \$42 million and \$44 million, respectively, relating to deferred tax assets for non-U.S. subsidiaries. The Company's U.S. valuation allowance increased \$1 million during 2024 primarily due to a capital loss generated in 2024 for which the Company does not have sufficient capital gains in the carryback period nor for which it expects to generate sufficient capital gains in the near future. The Company's Non-U.S. valuation allowance decreased \$2 million during 2024 primarily due to the expiration of tax attributes. The Company believes that the remaining deferred tax assets are more-likely-than-not to be realizable based on estimates of future taxable income and the implementation of tax planning strategies.

Tax attribute carryforwards are as follows:

December 31, 2024	Gross Tax Loss	Tax Effected	Expiration Period
United States:			
U.S. tax losses	\$ 127	\$ 27	2025-2037
General business credits	—	1	2030-2036
State tax losses	—	8	2027-2044
State tax credits	—	3	2025-2043
Non-U.S. subsidiaries:			
United Kingdom tax losses	143	36	Unlimited
Canada tax losses	17	5	2034-2044
Canada tax credits	—	5	2038-2044
Other subsidiaries tax losses	66	13	Various
	\$ 98		

The Company had unrecognized tax benefits of \$42 million and \$32 million at December 31, 2024 and December 31, 2023, respectively, of which approximately \$40 million and \$27 million, if recognized, would have affected the effective tax rate for 2024 and 2023, respectively.

A roll-forward of unrecognized tax benefits is as follows:

(in millions)	2024		2023	
Balance at January 1	\$	32	\$	35
Additions based on tax positions related to current year		1		1
Additions for tax positions of prior years		18		1
Reductions for tax positions of prior years		(1)		(1)
Settlements and agreements		(5)		—
Lapse of statute of limitations		(3)		(4)
Balance at December 31	\$	42	\$	32

The Company recorded \$39 million and \$26 million of unrecognized tax benefits in Other liabilities at December 31, 2024 and December 31, 2023, respectively.

The Company has several U.S. state and non-U.S. audits pending. A summary of open tax years by major jurisdiction is presented below:

Jurisdiction	Tax Years
United States	2021-2024
Australia	2020-2024
Canada	2020-2024
Germany	2018-2024
India	1997-2024
Israel	2019-2024
Poland	2019-2024
Malaysia	2017-2024
United Kingdom	2022-2024

Although the final resolution of the Company’s global tax disputes is uncertain, based on current information, in the opinion of the Company’s management, the ultimate disposition of these matters will not have a material adverse effect on the Company’s consolidated financial position or liquidity. However, an unfavorable resolution of the Company’s global tax disputes could have a material adverse effect on the Company’s results of operations in the periods, and as of the dates, on which the matters are ultimately resolved.

Based on the potential outcome of the Company’s global tax examinations, the expiration of the statute of limitations for specific jurisdictions, or the continued ability to satisfy tax incentive obligations, it is reasonably possible that the unrecognized tax benefits will change within the next twelve months. The associated net tax impact on the effective tax rate, exclusive of valuation allowance changes, is estimated to be up to a \$9 million tax benefit.

At December 31, 2024, the Company had \$30 million accrued for interest and \$23 million accrued for penalties on unrecognized tax benefits. At December 31, 2023, the Company had \$23 million and \$12 million accrued for interest and penalties, respectively, on unrecognized tax benefits. The Company’s policy is to classify the interest and penalty as a component of interest expense and other expense, respectively.

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Retirement Benefits

Retirement Benefits

[Abstract]

Retirement Benefits

**12 Months Ended
Dec. 31, 2024**

Retirement Benefits

Pension and Postretirement Health Care Benefits Plans

U.S. Pension Benefit Plans

The Company’s non-contributory U.S. defined benefit plans (the “U.S. Pension Plans”) provide benefits to U.S. employees hired prior to January 1, 2005, who became eligible after one year of service. The Company also has an additional non-contributory supplemental retirement benefit plan, the Motorola Supplemental Pension Plan (“MSPP”), which provided supplemental benefits to individuals by replacing benefits that are lost by such individuals under the retirement formula due to application of the limitations imposed by the Internal Revenue Code. In December 2008, the Company amended the U.S. Pension Plans and MSPP (together the “U.S. Pension Benefit Plans”) such that, effective March 1, 2009: (i) no participant shall accrue any benefit or additional benefit on or after March 1, 2009, and (ii) no compensation increases earned by a participant on or after March 1, 2009 shall be used to compute any accrued benefit.

Postretirement Health Care Benefits Plan

Certain health care benefits are available to eligible domestic employees hired prior to January 1, 2002 and meeting certain age and service requirements upon termination of employment or retirement eligibility (the “Postretirement Health Care Benefits Plan”). As of January 1, 2005, the Postretirement Health Care Benefits Plan was closed to new participants. After a series of amendments, all eligible retirees under the age of 65 are provided an annual subsidy per household, versus per individual, toward the purchase of their own health care coverage from private insurance companies and for the reimbursement of eligible health care expenses. All eligible retirees over the age of 65 are entitled to one fixed-rate subsidy capped at \$560 per participant.

Non-U.S. Pension Benefit Plans

The Company also provides defined benefit plans which cover non-U.S. employees in certain jurisdictions, principally the U.K. and Germany (the “Non-U.S. Pension Benefit Plans”). Other pension plans outside of the U.S. are not material to the Company either individually or in the aggregate.

In June 2015, the Company amended its non-U.S. defined benefit plan within the United Kingdom by closing future benefit accruals to all participants effective December 31, 2015.

Net Periodic Cost (Benefit)

The net periodic cost (benefit) for pension and Postretirement Health Care Benefits plans was as follows:

Years ended December 31	U.S. Pension Benefit Plans			Non-U.S. Pension Benefit Plans			Postretirement Health Care Benefits Plan		
	2024	2023	2022	2024	2023	2022	2024	2023	2022
Service cost	\$ —	\$ —	\$ —	\$ 1	\$ 1	\$ 1	\$ —	\$ —	\$ —
Interest cost	189	190	128	57	56	29	4	5	2
Expected return on plan assets	(298)	(293)	(254)	(104)	(108)	(93)	(13)	(13)	(12)
Amortization of:									
Unrecognized net loss	25	22	62	6	37	14	3	2	4
Unrecognized prior service benefit	—	—	—	(3)	(2)	(2)	3	3	—
Net periodic cost (benefit)	\$ (84)	\$ (81)	\$ (64)	\$ (43)	\$ (16)	\$ (51)	\$ (3)	\$ (3)	\$ (6)

The status of the Company’s plans is as follows:

	U.S. Pension Benefit Plans		Non-U.S. Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023	2024	2023
Change in benefit obligation:						
Benefit obligation at January 1	\$ 3,928	\$ 3,809	\$ 1,347	\$ 1,207	\$ 96	\$ 103
Service cost	—	—	1	1	—	—
Interest cost	189	190	57	56	4	5
Plan amendments	—	—	—	—	—	—
Actuarial loss (gain)	(220)	59	(156)	62	17	2
Foreign exchange valuation adjustment	—	—	(32)	66	—	—
Benefit payments	(142)	(130)	(54)	(45)	(12)	(14)
Benefit obligation at December 31	\$ 3,755	\$ 3,928	\$ 1,163	\$ 1,347	\$ 105	\$ 96
Change in plan assets:						
Fair value at January 1	\$ 3,273	\$ 3,076	\$ 1,172	\$ 1,092	\$ 134	\$ 134
Return on plan assets	112	324	(23)	35	6	14
Company contributions	6	3	9	9	—	—
Foreign exchange valuation adjustment	—	—	(21)	60	—	—
Benefit payments	(142)	(130)	(54)	(45)	(12)	(14)
Fair value at December 31	\$ 3,249	\$ 3,273	\$ 1,083	\$ 1,172	\$ 128	\$ 134
Funded status of the plan	\$ (506)	\$ (655)	\$ (80)	\$ (175)	\$ 23	\$ 38
Unrecognized net loss	1,635	1,695	796	829	88	68
Unrecognized prior service benefit (cost)	—	—	(64)	(67)	41	44
Prepaid pension cost	\$ 1,129	\$ 1,040	\$ 652	\$ 587	\$ 152	\$ 150
Components of prepaid (accrued) pension cost:						
Current benefit liability	\$ (3)	\$ (2)	\$ —	\$ —	\$ —	\$ —
Non-current benefit liability	(503)	(653)	(194)	(210)	—	—
Non-current benefit asset	—	—	114	35	23	38
Deferred income taxes	388	403	95	102	35	31
Accumulated other comprehensive loss	1,247	1,292	637	660	94	81
Prepaid pension cost	\$ 1,129	\$ 1,040	\$ 652	\$ 587	\$ 152	\$ 150

For the year ended December 31, 2024, the primary driver of the decrease in the U.S. Pension Benefit Plans’ benefit obligation was higher actuarial gains due to a increase in the discount rate from 5.01% as of December 31, 2023 to 5.70% as of December 31, 2024, partially offset by actuarial losses in the benefit obligation due to updated lump-sum interest rates and demographic assumption changes. For the year ended December 31, 2023, the primary driver of the increase in the U.S. Pension Benefit Plans’ benefit obligation was higher actuarial losses due to an decrease in the discount rate from 5.20% as of December 31, 2022 to 5.01% as of December 31, 2023, partially offset by actuarial gains in the benefit obligation due to updated lump-sum interest rates and mortality.

For the year ended December 31, 2024, the most significant drivers of the decrease in Non-U.S. Pension Benefit Plans’ benefit obligation were the higher actuarial gains coupled with favorable foreign exchange effects. The Non-U.S. Pension Benefit Plans incurred actuarial gains primarily due to an increase in the discount rate from 4.30% as of December 31, 2023 to 5.07% as of December 31, 2024. For the year ended December 31, 2023, the most significant drivers of the increase in Non-U.S. Pension Benefit Plans’ benefit obligation were the higher actuarial losses coupled with unfavorable foreign exchange effects. The Non-U.S. Pension Benefit Plans incurred actuarial losses primarily due to a decrease in the discount rate from 4.60% as of December 31, 2022 to 4.30% as of December 31, 2023.

Actuarial Assumptions

Certain actuarial assumptions such as the discount rate and the long-term rate of return on plan assets have a significant effect on the amounts reported for net periodic cost and the benefit obligation. The assumed discount rates reflect the prevailing market rates of a universe of high-quality, non-callable, corporate bonds currently available that, if the obligation were settled at the measurement date, would provide the necessary future cash flows to pay the benefit obligation when due. The long-term rates of return on plan assets represent an estimate of long-term returns on an investment portfolio consisting of a mixture of equities, fixed income, cash and other investments similar to the actual investment mix. In determining the long-term return on plan assets, the Company considers long-term rates of return on the asset classes (both historical and forecasted) in which the Company expects the plan funds to be invested.

The Company uses a full yield curve approach to estimate interest and service cost components of net periodic cost (benefit) for defined benefit pension and other post-retirement benefit plans. The full yield curve approach requires the application of the specific spot rate along the yield curve used in the determination of the projected benefit obligation to the relevant projected cash flows.

The Company used “Mortality Improvement Scale MP-2021” to calculate both the 2024 U.S. projected benefit obligations and the 2023 U.S. projected benefit obligations.

Weighted average actuarial assumptions used to determine costs for the plans at the beginning of the fiscal year were as follows:

	U.S. Pension Benefit Plans		Non-U.S. Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023	2024	2023
Discount rate	4.90 %	5.09 %	4.27 %	4.68 %	4.89 %	5.05 %
Investment return assumption	7.74 %	7.87 %	5.84 %	6.18 %	8.30 %	8.00 %

Weighted average actuarial assumptions used to determine benefit obligations for the plans were as follows:

	U.S. Pension Benefit Plans		Non-U.S. Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023	2024	2023
Discount rate	5.70 %	5.01 %	5.07 %	4.30 %	5.49 %	4.92 %
Future compensation increase rate	n/a	n/a	0.67 %	0.67 %	n/a	n/a

The following table presents the accumulated benefit obligation, projected benefit obligation and fair value of plan assets for our plans that have an accumulated benefit obligation and projected benefit obligation in excess of plan assets:

December 31	U.S. Pension Benefit Plans		Non U.S. Pension Benefit Plans	
	2024	2023	2024	2023
Accumulated benefit obligation	\$ 3,755	\$ 3,928	\$ 1,162	\$ 1,346
Projected benefit obligation	3,755	3,928	1,163	1,347
Fair value of plan assets	3,249	3,273	1,083	1,172

Investment Policy

The individual plans have adopted an investment policy designed to meet or exceed the expected rate of return on plan assets assumption. To achieve this, the plans retain professional advisors and investment managers that invest plan assets into various classes including, but not limited to: equity and fixed income securities, cash, cash equivalents, hedge funds, infrastructure/utilities, insurance contracts, leveraged loan funds and real estate. The Company uses long-term historical actual return experience with consideration of the expected investment mix of the plans' assets, as well as future estimates of long-term investment returns, to develop its expected rate of return assumption used in calculating the net periodic cost. The individual plans have target mixes for these asset classes, which are readjusted periodically when an asset class weighting deviates from the target mix, with the goal of achieving the required return at a reasonable risk level.

The weighted-average asset allocations by asset categories for all pension plans and the Postretirement Health Care Benefits Plan were as follows:

December 31	All Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023
Target Mix:				
Equity securities	23 %	26 %	25 %	28 %
Fixed income securities	61 %	56 %	57 %	51 %
Cash and other investments	16 %	18 %	18 %	21 %
Actual Mix:				
Equity securities	22 %	26 %	24 %	28 %
Fixed income securities	60 %	56 %	56 %	52 %
Cash and other investments	18 %	18 %	20 %	20 %

Within the equity securities asset class, the investment policy provides for investments in a broad range of publicly-traded securities including both domestic and foreign equities. Within the fixed income securities asset class, the investment policy provides for investments in a broad range of publicly-traded debt securities including: U.S. treasury issues, corporate debt securities, mortgage and asset-backed securities, as well as foreign debt securities. In the cash and other investments asset class, investments may include, but are not limited to: cash, cash equivalents, commodities, hedge funds, infrastructure/utilities, insurance contracts, leveraged loan funds and real estate.

Cash Funding

The Company made \$6 million and \$3 million of contributions to its U.S. Pension Benefit Plans during 2024 and 2023, respectively. The Company contributed \$9 million and \$9 million to its Non U.S. Pension Benefit Plans during 2024 and 2023, respectively. The Company made no contributions to its Postretirement Health Care Benefits Plan in 2024 or 2023.

Expected Future Benefit Payments

The following benefit payments are expected to be paid:

Year	U.S. Pension Benefit Plans		Non-U.S. Pension Benefit Plans	Postretirement Health Care Benefits Plan
2025	\$	172	\$	54
2026		189		55
2027		206		57
2028		224		58
2029		241		59
2030-2034		1,365		306

Other Benefit Plans

Split-Dollar Life Insurance Arrangements

The Company maintains a number of endorsement split-dollar life insurance policies on now-retired officers under a frozen plan. The Company had purchased the life insurance policies to insure the lives of employees and then entered into a separate agreement with the employees that split the policy benefits between the Company and the employee. Motorola Solutions owns the policies, controls all rights of ownership, and may terminate the insurance policies. To effect the split-dollar arrangement, Motorola Solutions endorsed a portion of the death benefits to the employee and upon the death of the employee, the employee's beneficiary typically receives the designated portion of the death benefits directly from the insurance company and the Company receives the remainder of the death benefits. It is currently expected that minimal cash payments will be required to fund these policies.

The net periodic pension cost for these split-dollar life insurance arrangements was \$3 million for the year ended December 31, 2024, and \$5 million for each of the years ended December 31, 2023 and 2022. The Company has recorded a liability representing the actuarial present value of the future death benefits as of the employees' expected retirement date of \$46 million and \$52 million as of December 31, 2024 and December 31, 2023, respectively.

Deferred Compensation Plan

The Company maintains a deferred compensation plan ("the Plan") for certain eligible participants. Under the Plan, participants may elect to defer base salary and cash incentive compensation in excess of 401(k) plan limitations. Participants under the Plan may choose to invest their deferred amounts in the same investment alternatives available under the 401(k) plan (as defined below). The Plan also allows for Company matching contributions for the following: (i) the first 4% of compensation deferred under the Plan, subject to a maximum of \$50,000 for officers elected by the board of directors of the Company, (ii) lost matching amounts that would have been made under the 401(k) plan if participants had not participated in the Plan, and (iii) discretionary amounts as approved by the Compensation and Leadership Committee of the board of directors.

Defined Contribution Plan

The Company has various defined contribution plans, in which all eligible employees may participate. In the U.S., the Motorola Solutions 401(k) plan (the "401(k) plan") is a contributory plan. Matching contributions are based upon the amount of the employees' contributions. The Company's expenses for material defined contribution plans for the years ended December 31, 2024, 2023 and 2022 were \$53 million, \$45 million and \$43 million, respectively.

Under the 401(k) plan, the Company may make an additional discretionary matching contribution to eligible employees. For the years ended December 31, 2024, 2023, and 2022 the Company made no discretionary contributions.

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Share-Based Compensation and Other Incentive Plans
Share-Based Payment Arrangement [Abstract]
Share-Based Compensation and Other Incentive Plans

12 Months Ended
Dec. 31, 2024

Share-Based Compensation and Other Incentive Plans

The Company grants options and stock appreciation rights to acquire shares of common stock to certain employees and to existing option holders of acquired companies in connection with the merging of option plans following an acquisition. Each option and stock appreciation right granted has an exercise price of no less than 100% of the fair market value of the common stock on the date of the grant. The awards have a contractual life of five to ten years and vest over two to three years. In conjunction with a change in control, stock options and stock appreciation rights assumed or replaced with comparable stock options or stock appreciation rights only become exercisable if the holder is also involuntarily terminated (for a reason other than cause) or resigns for good reason within 24 months of a change in control.

Restricted stock grants consist of shares or the rights to shares of the Company's common stock which are awarded to certain employees. The grants are restricted in such that they are subject to vesting conditions; however, restricted stock holders have voting rights, and the rights to earn dividends on unvested shares.

Restricted stock unit ("RSU") grants consist of shares or the rights to shares of the Company's common stock which are awarded to certain employees and non-employee directors. The grants are restricted such that they are subject to substantial risk of forfeiture and to restrictions on their sale or other transfer by the employee. In conjunction with a change in control, shares of RSUs assumed or replaced with comparable shares of RSUs will only have the restrictions lapse if the holder is also involuntarily terminated (for a reason other than cause) or resigns for good reason within 24 months of a change in control.

Performance-based stock options ("performance options"), market stock units ("MSUs"), and performance stock units ("PSUs") have been granted to certain Company executive officers. Performance options have a three-year performance period and are granted as a target number of units subject to adjustment based on company performance. Each performance option granted has an exercise price of no less than 100% of the fair market value of the common stock on the date of the grant. The awards have a contractual life of ten years. Shares ultimately issued for performance option awards granted are based on the actual total shareholder return ("TSR") compared to the S&P 500 over the three-year performance period based on a payout factor that corresponds to actual TSR results as established at the date of grant. Vesting occurs on the third anniversary of the grant date. Under the terms of the MSUs, vesting is conditioned upon continuous employment until the vesting date and the payout factor is at least 60% of the share price on the award date. The payout factor is the share price on vesting date divided by share price on award date, with a maximum of 200%. The share price used in the payout factor is calculated using an average of the closing prices on the grant or vesting date, and the 30 calendar days immediately preceding the grant or vesting date. Vesting occurs ratably over three years. PSUs have been granted as a portion of the Long Range Incentive Plan ("LRIP") awards issued to certain Company executive officers. The PSUs have a three-year performance period and were granted at a target number of units subject to adjustment based on company performance. The number of PSUs earned will be based on the actual TSR compared to the S&P 500 over the three-year performance period.

The employee stock purchase plan allows eligible participants to purchase shares of the Company's common stock through payroll deductions of up to 20% of eligible compensation on an after-tax basis. Plan participants cannot purchase more than \$25,000 of stock in any calendar year. The price an employee pays per share is 85% of the lower of the fair market value of the Company's stock on the close of the first trading day or last trading day of the purchase period. The plan has two purchase periods, the first from October 1 through March 31 and the second from April 1 through September 30. For each of the years ended December 31, 2024, 2023 and 2022, employees purchased 0.4 million shares, at purchase prices of \$231.98 and \$300.55 in 2024, \$194.62 and \$231.40 in 2023, and \$199.16 and \$190.37 in 2022.

Significant Assumptions Used in the Estimate of Fair Value

The Company calculates the value of each employee stock option, estimated on the date of grant, using the Black-Scholes option pricing model. The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was \$92.20, \$73.04 and \$67.18, respectively, using the following weighted-average assumptions:

	2024	2023	2022
Expected volatility	21.4 %	24.4 %	29.2 %
Risk-free interest rate	4.3 %	4.2 %	2.5 %
Dividend yield	1.4 %	1.6 %	1.9 %
Expected life (years)	5.9	5.9	6.6

The Company calculates the value of each performance option, MSU, and PSU using a Monte Carlo simulation option pricing model, estimated on the date of grant. The fair values of performance options, MSUs, and PSUs granted during 2024 were \$141.51, \$396.90 and \$515.85, respectively. The fair values of performance options, MSUs, and PSUs granted during 2023 were \$122.55, \$299.32 and \$348.27, respectively. The fair value of performance options, MSUs and PSUs granted during 2022 was \$84.73, \$244.13 and \$249.51, respectively. The following assumptions were used for the calculations.

	2024 Performance Options	2023 Performance Options	2022 Performance Options
Expected volatility of common stock	21.7 %	25.1 %	29.7 %
Expected volatility of the S&P 500	30.5 %	33.3 %	39.2 %
Risk-free interest rate	4.3 %	4.1 %	2.0 %
Dividend yield	1.4 %	1.7 %	2.0 %
Expected life (years)	6.5	6.5	6.5

	2024 Market Stock Unit	2023 Market Stock Unit	2022 Market Stock Units
Expected volatility of common stock	21.7 %	25.1 %	29.7 %
Risk-free interest rate	4.4 %	4.5 %	1.9 %
Dividend yield	1.3 %	1.5 %	1.6 %

	2024 Performance Stock Units	2023 Performance Stock Units	2022 Performance Stock Units
Expected volatility of common stock	21.7 %	25.1 %	29.7 %
Expected volatility of the S&P 500	30.8 %	33.3 %	39.2 %
Risk-free interest rate	4.3 %	4.6 %	1.8 %
Dividend yield	1.1 %	1.4 %	1.6 %

The Company uses the implied volatility for traded options on the Company's stock as the expected volatility assumption in the valuation of stock options, performance options, MSUs, and PSUs. The selection of the implied volatility approach was based upon the availability of actively-traded options on the Company's stock and the Company's assessment that implied volatility is more representative of future stock price trends than historical volatility. At the conclusion of each three-year PSU and performance option cycle, the Company uses the historical volatility as the expected volatility to calculate the actual TSR compared to the S&P 500.

The risk-free interest rate assumption is based upon the average daily closing rates during the year for U.S. treasury notes that have a life which approximates the expected life of the grant. The dividend yield assumption is based on the Company's history expectation of dividend payouts. The expected life represents the average of the contractual term of the options and the weighted average vesting period for all option tranches.

The Company has applied forfeiture rates, estimated based on historical data, of 10% to the stock option fair values calculated by the Black-Scholes option pricing model and 15% to RSUs. These estimated forfeiture rates are applied to grants based on their remaining vesting term and may be revised in subsequent periods if actual forfeitures differ from these estimates.

The following table summarizes information about the total stock options outstanding and exercisable under all stock option plans, at December 31, 2024 (in thousands, except exercise price and years):

Exercise price range	Options Outstanding				Options Exercisable			
	No. of options	Wtd. avg. Exercise Price	Wtd. avg. contractual life (in yrs.)		No. of options	Wtd. avg. Exercise Price	Wtd. avg. contractual life (in yrs.)	
\$1-\$100	713	\$	77	2	713	\$	77	2
\$101-\$200	866		148	5	866		148	5
\$201-\$300	430		244	8	90		239	7
\$301-\$400	200		342	9	5		334	9
\$401 and over	13		482	9	—		—	8
	2,222				1,674			

As of December 31, 2024, the weighted average contractual life for options outstanding and exercisable was five and four years, respectively.

Current Year Activity

Total share-based compensation activity was as follows (in thousands, except exercise price):

	Stock Options		Restricted Stock Units		Restricted Stock	
	No. of Options Outstanding	Wtd. Avg. Exercise Price of Shares	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value
Balance as of January 1, 2024	566	\$	191	1,342	\$	224
Granted	106		360	582		340
Releases/Exercised	(175)		175	(601)		225
Forfeited/Canceled	(6)		314	(48)		268
Balance as of December 31, 2024	491	\$	230	1,275	\$	275
Awards exercisable	275		174	—		—

	Performance Options		Market Stock Units		Performance Stock Units	
	No. of Options Outstanding	Wtd. Avg. Exercise Price of Shares	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value
Balance as of January 1, 2024	1,798	\$	122	89	\$	254
Granted	104		343	37		397
Releases/Exercised	(316)		101	(69)		230
Adjustment for payout factor	147		179	23		179
Forfeited/Canceled	(2)		179	(1)		185
Balance as of December 31, 2024	1,731	\$	144	79	\$	331
Awards exercisable	1,399		113	—		—

At December 31, 2024 and 2023, 6.0 million and 7.2 million shares, respectively, were available for future share-based award grants under the current share-based compensation plan, covering all equity awards to employees and non-employee directors.

Total Share-Based Compensation Expense

Compensation expense for the Company's share-based compensation plans was as follows:

Years ended December 31	2024	2023	2022
Share-based compensation expense included in:			
Costs of sales	\$ 48	\$ 40	\$ 28
Selling, general and administrative expenses	132	116	98
Research and development expenditures	63	56	46
Share-based compensation expense included in Operating earnings	243	212	172
Tax benefit	51	43	34
Share-based compensation expense, net of tax	\$ 192	\$ 169	\$ 138
Decrease in basic earnings per share	\$ (1.15)	\$ (1.01)	\$ (0.82)
Decrease in diluted earnings per share	\$ (1.12)	\$ (0.98)	\$ (0.80)

At December 31, 2024, the Company had unrecognized compensation expense related to all share based awards of \$431 million, net of estimated forfeitures, expected to be recognized over the weighted average period of approximately three years and \$5 million of unrecognized compensation expense related to the employee stock purchase plan that will be recognized over the remaining purchase period. The aggregate fair value of outstanding share based awards as of December 31, 2024 was \$629 million.

Cash received from stock option exercises and the employee stock purchase plan was \$75 million, \$104 million, and \$156 million for the years ended December 31, 2024, 2023, and 2022, respectively. The total intrinsic value of options exercised during the years ended December 31, 2024, 2023, and 2022 was \$164 million, \$152 million, and \$292 million, respectively. The aggregate intrinsic value for options outstanding and exercisable as of December 31, 2024 was \$664 million and \$567 million, respectively, based on a December 31, 2024 stock price of \$462.23 per share.

Motorola Solutions Incentive Plans

The Company's incentive plans provide eligible employees with an annual payment, calculated as a percentage of an employee's eligible earnings, in the year after the close of the current calendar year if specified business goals and individual performance targets are met. The expense for awards under these incentive plans for the years ended December 31, 2024, 2023 and 2022 was \$218 million, \$205 million and \$165 million, respectively.

Long-Range Incentive Plan

The LRIP rewards elected officers for the Company's achievement of specified business goals during the period, based on a single performance objective measured over a three-year period. There were no LRIP awards with cash settlement terms for the years ended December 31, 2024 and 2023. The expense for LRIP awards with cash settlement terms was \$4 million for the year ended December 31, 2022.

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Fair Value Measurements

[Fair Value Disclosures](#)
[\[Abstract\]](#)

[Fair Value Measurements](#)

12 Months Ended Dec. 31, 2024

Fair Value Measurements

Investments and Derivatives

The fair values of the Company's financial assets and liabilities by level in the fair value hierarchy as of December 31, 2024 and December 31, 2023 were as follows:

December 31, 2024	Level 1	Level 2	Total
Assets:			
Foreign exchange derivative contracts	\$ —	\$ 10	\$ 10
Common stock and equivalents	23	—	23
Liabilities:			
Foreign exchange derivative contracts	\$ —	\$ 9	\$ 9
Equity swap contracts	1	—	1
December 31, 2023	Level 1	Level 2	Total
Assets:			
Foreign exchange derivative contracts	\$ —	\$ 13	\$ 13
Equity swap contracts	1	—	1
Common stock and equivalents	28	—	28
Liabilities:			
Foreign exchange derivative contracts	\$ —	\$ 4	\$ 4
Treasury rate lock	—	12	12

Pension and Postretirement Health Care Benefits Plan Assets

The fair values of the various pension and postretirement health care benefits plans' assets by level in the fair value hierarchy as of December 31, 2024 and 2023 were as follows:

U.S. Pension Benefit Plans

December 31, 2024	Level 1		Level 2		Level 3		Total
Equities	\$	23	\$	—	\$	—	\$ 23
Commingled funds		1,039		404		—	1,443
Government fixed income securities		—		239		—	239
Corporate fixed income securities		—		905		—	905
Short-term investment funds		258		—		—	258
Private assets		—		—		203	203
Total investment securities	\$	1,320	\$	1,548	\$	203	\$ 3,071
Accrued income receivable							162
Cash							16
Fair value plan assets							\$ 3,249

The following table summarizes the changes in fair value of the Level 3 assets:

	2024
Fair value at January 1, 2024	\$ 157
Actual return on plan assets	22
Purchases	24
Fair value at December 31, 2024	\$ 203

December 31, 2023	Level 1		Level 2		Level 3		Total	
Equities	\$	27	\$	—	\$	—	\$	27
Commingled funds		1,230		479		—		1,709
Government fixed income securities		—		192		—		192
Corporate fixed income securities		—		894		—		894
Short-term investment funds		253		—		—		253
Private Assets		—		—		157		157
Total investment securities	\$	1,510	\$	1,565	\$	157	\$	3,232
Accrued income receivable								23
Cash								18
Fair value plan assets							\$	3,273

Non-U.S. Pension Benefit Plans

Fidelity U.S. Pension Benefit Plans					
December 31, 2024	Level 1		Level 2		Total
Equities	\$	53	\$	—	\$ 53
Commingled funds		236		35	271
Government fixed income securities		—		615	615
Short-term investment funds		56		—	56
Total investment securities	\$	345	\$	650	\$ 995
Cash					4
Accrued income receivable					42
Insurance contracts					42
Fair value plan assets					\$ 1,083

December 31, 2023	Level 1		Level 2		Total
Equities	\$	60	\$	—	\$ 60
Commingled funds		289		32	321
Government fixed income securities		—		663	663
Short-term investment funds		60		—	60
Total investment securities	\$	409	\$	695	\$ 1,104
Cash					5
Accrued income receivable					16
Insurance contracts					47
Fair value plan assets					\$ 1,172

Postretirement Health Care Benefits Plan

December 31, 2024	Level 1		Level 2		Level 3	Total
Equities	\$	1	\$	—	\$	—
Commingled funds		40		16		56
Government fixed income securities		—		10		10
Corporate fixed income securities		—		37		37
Short-term investment funds		10		—		10
Private funds		—		—	8	8
Total investment securities	\$	51	\$	63	\$ 8	\$ 122
Accrued income receivable						6
Fair value plan assets						\$ 128

The following table summarizes the changes in fair value of the Level 3 assets:

		2024
Fair value at January 1, 2024		\$ 7
Purchases		1
Fair value at December 31, 2024		\$ 8

December 31, 2023	Level 1		Level 2		Level 3	Total
Equities	\$	1	\$	—	\$	—
Commingled funds		49		20		69
Government fixed income securities		—		8		8
Corporate fixed income securities		—		38		38
Short-term investment funds		10		—		10
Private funds		—		—	7	7
Total investment securities	\$	60	\$	66	\$ 7	\$ 133
Accrued income receivable						1
Fair value plan assets						\$ 134

The following is a description of the categories of investments:

Equities — A diversified portfolio of corporate common and preferred stocks.

Commingled funds — A diversified portfolio of assets that includes corporate common and preferred stocks, emerging market and high-yield fixed income securities among others.

Government fixed income securities — Securities issued by municipal, domestic and foreign government agencies, index-linked government bonds as well as interest rate derivatives.

Corporate fixed income securities — A diversified portfolio of primarily investment grade bonds issued by corporations.

Short-term investment funds — Investments in money market accounts and derivatives with a liquidity of less than 90 days.

Private funds — A diversified portfolio of assets that includes private equity funds and private loans.

Level 1 investments include securities which are valued at the closing price reported on the active market in which the individual securities are traded. Level 2 investments consist principally of securities which are valued using independent third party pricing sources. Level 3 investments include securities with valuations derived from valuation techniques, in which one or more significant inputs are unobservable. A variety of inputs are utilized by the independent pricing sources including market based inputs, binding quotes, indicative quotes, and ongoing redemption and subscription activity. Inputs may be weighted differently for any security, and not all inputs are used for each security evaluation.

At December 31, 2024, the Company had \$1.2 billion of investments in money market government and U.S. treasury funds (Level 1) classified as Cash and cash equivalents in its Consolidated Balance Sheet, compared to \$863 million at December 31, 2023. The money market funds had quoted market prices that are approximately at par.

Using quoted market prices and market interest rates, the Company determined that the fair value of long-term debt at December 31, 2024 was \$5.8 billion. The fair value of long-term debt at December 31, 2023 was \$6.4 billion, of which the Senior Convertible Notes were \$1.6 billion (Level 2). Since considerable judgment is required in interpreting market information, the fair value of the long-term debt is not necessarily indicative of the amount which could be realized in a current market exchange. Refer to "Note 5: Debt and Credit Facilities" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for a further discussion of the Senior Convertible Notes.

All other financial instruments are carried at cost, which is not materially different from the instruments' fair values.

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**Long-term Financing
and Sales of
Receivables**

[Receivables
\[Abstract\]](#)

[Long-term Financing
and Sales of
Receivables](#)

12 Months Ended

Dec. 31, 2024

Long-term Financing and Sales of Receivables

Long-term Financing

Long-term receivables consist of receivables with payment terms greater than twelve months, long-term loans and lease receivables under sales-type leases. Long-term receivables consist of the following:

December 31	2024		2023	
Long-term receivables, gross		\$ 65	\$ 36	
Less allowance for losses		(2)	(2)	
Long-term receivables		\$ 63	\$ 34	
Less current portion		(22)	(13)	
Non-current long-term receivables		\$ 41	\$ 21	

The current portion of long-term receivables is included in Accounts receivable, net and the non-current portion of long-term receivables is included in Other assets in the Company's Consolidated Balance Sheet. The Company recognized \$1 million in interest income on long-term receivables for the year ended December 31, 2024, compared to no interest income for the year ended December 31, 2023 and \$1 million for the year ended December 31, 2022.

Certain purchasers of the Company's products and services may request that the Company provide long-term financing (defined as financing with a term greater than one year) in connection with the sale of products and services. These requests may include all or a portion of the purchase price of the products and services. The Company's obligation to provide long-term financing may be conditioned on the issuance of a letter of credit in favor of the Company by a reputable bank to support the purchaser's credit or a pre-existing commitment from a reputable bank to purchase the long-term receivables from the Company. The Company had outstanding commitments to provide long-term financing to third-parties totaling \$105 million at December 31, 2024 and \$103 million at December 31, 2023.

Sales of Receivables

From time to time, the Company sells accounts receivable and long-term receivables to third-parties under one-time arrangements.

The following table summarizes the proceeds received from sales of accounts receivable and long-term receivables for the years ended December 31, 2024, 2023 and 2022.

Years ended December 31	2024	2023	2022
Contract-specific discounting facility	\$ —	\$ —	\$ 49
Accounts receivable sales proceeds	15	96	179
Long-term receivables sales proceeds	205	182	204
Total proceeds from receivable sales	\$ 220	\$ 278	\$ 432

The Company may or may not retain the obligation to service the sold accounts receivable and long-term receivables.

At December 31, 2024, the Company had retained servicing obligations for \$794 million of long-term receivables, compared to \$813 million of long-term receivables at December 31, 2023. Servicing obligations are limited to collection activities of sold accounts receivables and long-term receivables.

Credit Quality of Long-Term Receivables and Allowance for Credit Losses

An aging analysis of financing receivables at December 31, 2024 and December 31, 2023 is as follows:

December 31, 2024	Total Long-term Receivable	Current Billed Due	Past Due Under 90 Days	Past Due Over 90 Days
Municipal leases secured tax exempt	\$ 31	\$ 2	\$ 1	\$ 1
Commercial loans and leases secured	34	3	—	1
Long-term receivables, including current portion	\$ 65	\$ 5	\$ 1	\$ 2

December 31, 2023	Total Long-term Receivable	Current Billed Due	Past Due Under 90 Days	Past Due Over 90 Days
Municipal leases secured tax exempt	\$ 15	\$ 1	\$ 1	\$ 1
Commercial loans and leases secured	21	1	—	1
Long-term receivables, including current portion	\$ 36	\$ 2	\$ 1	\$ 2

The Company uses an internally developed credit risk rating system for establishing customer credit limits. This system is aligned with and comparable to the rating systems utilized by independent rating agencies.

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**Commitments and
Contingencies**

[Commitments and
Contingencies
Disclosure \[Abstract\]](#)

[Commitments and
Contingencies](#)

12 Months Ended

Dec. 31, 2024

Commitments and Contingencies

Purchase Obligations

During the normal course of business, in order to manage manufacturing lead times and help ensure adequate component supply, the Company enters into agreements with contract manufacturers and suppliers that either allow it to procure inventory based upon criteria as defined by the Company or establish the parameters defining the Company's requirements. In addition, we have entered into software license agreements which are firm commitments and are not cancellable.

As of December 31, 2024, the Company had entered into firm, non-cancelable, and unconditional commitments under such arrangements through 2030. The Company expects to make total payments of \$713 million under these arrangements as follows: \$151 million in 2025, \$159 million in 2026, \$159 million in 2027, \$130 million in 2028, \$112 million in 2029 and \$2 million thereafter.

Legal Matters

Hytera Civil Litigation

On March 14, 2017, the Company filed a complaint in the U.S. District Court for the Northern District of Illinois (the "District Court") against Hytera Communications Corporation Limited of Shenzhen, China; Hytera America, Inc.; and Hytera Communications America (West), Inc. (collectively, "Hytera"), alleging trade secret theft and copyright infringement and seeking, among other things, injunctive relief, compensatory damages and punitive damages. On February 14, 2020, the Company announced that a jury decided in the Company's favor in its trade secret theft and copyright infringement case. In connection with this verdict, the jury awarded the Company \$345.8 million in compensatory damages and \$418.8 million in punitive damages, for a total of \$764.6 million. In a series of post-trial rulings in 2021, the District Court subsequently reduced the judgment to \$543.7 million, but also ordered Hytera to pay the Company \$51.1 million in pre-judgment interest and \$2.6 million in costs, as well as \$34.2 million in attorneys' fees. The Company continues to seek collection of the judgment through the ongoing legal process.

On December 17, 2020, the District Court held that Hytera must pay the Company a forward-looking reasonable royalty on products that use the Company's stolen trade secrets, and on December 15, 2021, set royalty rates for Hytera's sale of relevant products from July 1, 2019 forward. On July 5, 2022, the District Court ordered that Hytera pay into a third-party escrow on July 31, 2022, the royalties owed to the Company based on the sale of relevant products from July 1, 2019 to June 30, 2022. Hytera failed to make the required royalty payment on July 31, 2022. On August 1, 2022, Hytera filed a motion to modify or stay the District Court's previous July 5, 2022 royalty order, which the District Court denied on July 11, 2023. On August 3, 2022, the Company filed a motion seeking to hold Hytera in civil contempt for violating the royalty order by not making the required royalty payment on July 31, 2022. On August 26, 2023, the District Court granted the Company's contempt motion. As a result, on September 1, 2023, Hytera made a payment of \$56 million into the third-party escrow. In addition to the September 1, 2023 payment of \$56 million, Hytera has made de minimis quarterly royalty payments into the third-party escrow from October 2022 up through November 2024. Future royalty payments are expected to be paid directly to the Company. The aggregate amount paid into escrow of approximately \$61 million was released to the Company on November 26, 2024 and was recorded as a gain within Other Charges (Income) within the Consolidated Statement of Operations.

Following the February 14, 2020, verdict and judgment in the Company's favor, Hytera appealed to the U.S. Court of Appeals for the Seventh Circuit (the "Court of Appeals"), seeking review of the orders related to the jury's verdict as well as the District Court's royalty order. The Company filed its cross-appeal on August 5, 2022. The Court of Appeals heard oral arguments on December 5, 2023, and issued its decision on July 2, 2024. The Court of Appeals affirmed the District Court's award of \$407.4 million in damages, including exemplary damages, under the Defend Trade Secrets Act. The Court of Appeals also directed the District Court to recalculate and reduce its award of \$136.3 million in copyright infringement damages, and instructed the District Court to reconsider its denial of the Company's request for an injunction. In all other respects, the Court of Appeals affirmed the judgment of the District Court. On October 4, 2024, the Court of Appeals denied Hytera's motion for rehearing. The case was remanded to the District Court for further action per the Court of Appeals' decision. On January 2, 2025, Hytera filed a petition for writ of certiorari with the Supreme Court of the United States. Acceptance or denial of the petition is discretionary by the Supreme Court.

In 2024, the parties engaged in competing litigation in the District Court and a court in China related to the possible continued use by Hytera of the Company's trade secrets in Hytera's currently shipping products. On April 2, 2024, the District Court held Hytera in civil contempt, and issued a worldwide sales injunction of certain Hytera products and a daily fine, for Hytera's failure to withdraw its competing litigation in China. On April 16, 2024, the Court of Appeals granted Hytera's motion for an emergency stay of the contempt sanctions, to allow the Court of Appeals to review the District Court's various orders related to the competing litigation and contempt sanctions. The District Court held hearings from August 26-30, 2024, concerning whether Hytera's currently shipping products continue to misuse the Company's trade secrets and copyrighted source code. The issue is currently under consideration by the District Court.

Hytera Criminal Litigation

On January 13, 2025, Hytera pleaded guilty to one federal felony count of conspiracy to steal the Company's trade secrets in a criminal action brought by the U.S. Department of Justice against Hytera and several of its employees in the District Court. Hytera's sentencing has been scheduled for November 6, 2025. Pursuant to the plea agreement reached between Hytera and the government, Hytera's sentence may include a fine to be paid to the government and restitution to be paid to the Company in an amount to be determined by the District Court.

Hytera Bankruptcy Proceedings

Separate from the Company's litigation with Hytera, on May 27, 2020, Hytera America, Inc. and Hytera Communications America (West), Inc. each filed for Chapter 11 bankruptcy protection in the U.S. Bankruptcy Court for the Central District of California (the "Bankruptcy Court"). On February 11, 2022, the Court entered an order to confirm the liquidation plan for the two Hytera entities and distributions were made on February 25, 2022 to the creditors, including a distribution of \$13 million to the Company. On December 22, 2022, an additional distribution of \$2 million was made to the Company as well as an assignment of various delinquent accounts receivable of the bankrupt Hytera entities. On April 4, 2024, a final de minimis distribution was made to the Company. The gains for the three monetary distributions were recorded to Other charges (income) in the Company's Consolidated Statements of Operations.

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Information by Segment and Geographic Region

Segment Reporting [Abstract]

Information by Segment and Geographic Region

Information by Segment and Geographic Region

The Company conducts its business globally and manages it through the following two segments:

Products and Systems Integration: The Products and Systems Integration segment offers an extensive portfolio of infrastructure, devices, accessories, video security devices and infrastructure, and the implementation and integration of such systems, devices, and applications. Within LMR Communications, the Company is a global leader in the two-way radio category, including the Company's Project 25 ("P25"), Terrestrial Trunked Radio (TETRA), Digital Mobile Radio (DMR), as well as other professional and commercial radio ("PCR") solutions. The Company provides LTE solutions for public safety, government and commercial users, including devices operating in 700 MHz, 900 MHz and Citizens' Broadband Radio Service (CBRS) frequencies. The Company's Video technology includes network video management infrastructure, fixed security, certain mobile video equipment and access control solutions. The primary customers of the Products and Systems Integration segment are government, public safety and commercial customers who operate private communications systems and video security solutions and typically manage a mobile workforce. In 2024, the segment's net sales were \$6.9 billion, representing 64% of the Company's consolidated net sales.

Software and Services: The Software and Services segment provides a broad range of solution offerings for government, public safety and commercial customers. Software includes public safety and enterprise Command Center, unified communications applications, certain mobile video equipment, and video software solutions, delivered both on-premise and "as-a-service." Services includes a continuum of service offerings beginning with repair, technical support and maintenance. More advanced technologies include monitoring, software updates and cybersecurity services. Managed services range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. In 2024, the segment's net sales were \$3.9 billion, representing 36% of the Company's consolidated net sales.

For the years ended December 31, 2024, 2023 and 2022, no single customer accounted for more than 10% of the Company's net sales.

Segment Information

The Company's chief operating decision maker, the chief executive officer, uses both segment gross margin and segment operating earnings to assess performance and allocate resources (including employees, property, and financial or capital resources) for each segment predominantly in the annual budget and forecasting process. The chief operating decision maker considers budget-to-actual variances on a monthly basis for both profit measures when making decisions about allocating capital and personnel to the segments.

The accounting policies of the reportable segments are the same as those described in the summary of significant accounting policies. See "Note 1: Summary of Significant Accounting Policies" to our consolidated financial statements in this "Part II. Item 8: Financial Statements and Supplementary Data" of this Form 10-K.

The following table summarizes Net sales, significant expenses, Gross margin and Operating earnings by segment:

	2024			2023			2022		
	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total
<i>Years ended December 31</i>									
Net sales	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112
Costs of sales	3,215	2,090	5,305	3,115	1,893	5,008	3,060	1,823	4,883
Gross margin	3,668	1,844	5,512	3,127	1,843	4,970	2,668	1,561	4,229
Selling, general and administrative expenses	1,392	360	1,752	1,239	322	1,561	1,156	294	1,450
Research and development expenditures	575	342	917	551	307	858	503	276	779
Other charges	25	130	155	94	163	257	96	243	339
Operating earnings	\$ 1,676	\$ 1,012	\$ 2,688	\$ 1,244	\$ 1,050	\$ 2,294	\$ 913	\$ 748	\$ 1,661
Total other expense			(716)			(148)			(146)
Net earnings before income taxes			\$ 1,972			\$ 2,146			\$ 1,515

The following table summarizes the Company's capital expenditures and depreciation expense by segment:

	Capital Expenditures			Depreciation Expense		
	2024	2023	2022	2024	2023	2022
<i>Years ended December 31</i>						
Products and Systems Integration	\$ 103	\$ 97	\$ 77	\$ 90	\$ 83	\$ 79
Software and Services	154	156	179	94	96	104
	\$ 257	\$ 253	\$ 256	\$ 184	\$ 179	\$ 183

The Company's chief operating decision maker does not review or allocate resources based on segment assets.

Geographic Area Information

	Net Sales			Assets		
	2024	2023	2022	2024	2023	2022
<i>Years ended December 31</i>						
United States	\$ 7,432	\$ 6,559	\$ 6,008	\$ 11,456	\$ 10,207	\$ 9,227
United Kingdom	572	769	789	2,190	2,034	2,321
Canada	388	373	366	383	362	394
Other	2,425	2,277	1,949	566	733	872
	\$ 10,817	\$ 9,978	\$ 9,112	\$ 14,595	\$ 13,336	\$ 12,814

Net sales attributed to geographic area are predominately based on the ultimate destination of the Company's products and services.

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Reorganization of Businesses

Restructuring and Related Activities [Abstract]

Reorganization of Businesses

Reorganization of Businesses

The Company maintains a formal Involuntary Severance Plan (the "Severance Plan"), which permits the Company to offer eligible employees severance benefits based on years of service and employment grade level in the event that employment is involuntarily terminated as a result of a reduction-in-force or restructuring. The Company recognizes termination benefits based on formulas per the Severance Plan at the point in time that future settlement is probable and can be reasonably estimated based on estimates prepared at the time a restructuring plan is approved by management. Exit costs consist of contractual lease termination costs, costs to exit committed contracts and other contractual terminations. At each reporting date, the Company evaluates its accruals for employee separation and exit costs to ensure the accruals are still appropriate. In certain circumstances, accruals are no longer needed because of efficiencies in carrying out the plans or because employees previously identified for separation resigned from the Company and did not receive severance, or were redeployed due to circumstances not foreseen when the original plans were approved. In these cases, the Company reverses accruals through the Consolidated Statements of Operations where the original charges were recorded when it is determined they are no longer needed.

During 2024, 2023, and 2022 the Company continued to implement various productivity improvement plans aimed at achieving long-term, sustainable profitability by driving efficiencies and reducing operating costs. These initiatives impacted both of the Company's segments and affected employees located in all geographic regions.

2024 Charges

During 2024, the Company recorded net reorganization of business charges of \$38 million, including \$12 million of charges in Costs of sales and \$26 million of charges in Other charges in the Company's Consolidated Statements of Operations. Included in the \$38 million were charges of \$48 million related to employee separation costs, partially offset by \$6 million of reversals for employee separation accruals no longer needed and \$4 million of reversals for exit cost accruals no longer needed.

The following table displays the net charges incurred by segment:

<i>Year ended December 31</i>	2024	
Products and Systems Integration		\$ 32
Software and Services		6
		\$ 38

Reorganization of Businesses Accruals

	Accruals at January 1	Additional Charges	Adjustments	Amount Used	Accruals at December 31
Reorganization costs \$	23	48	(6)	(38)	27
Exit costs \$	5	—	(4)	—	1
	\$ 28	\$ 48	\$ (10)	\$ (38)	\$ 28

Exit Costs

At January 1, 2024, the Company had an accrual of \$5 million for exit costs related to the Company's exit of the Emergency Services Network contract with the Home Office. During the year, the Company recorded a \$4 million reversal for accruals no longer needed. The remaining \$1 million of exit costs are recorded in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2024, and are expected to be paid within one year.

Employee Separation Costs

At January 1, 2024, the Company had an accrual of \$23 million for employee separation costs. The 2024 additional charges of \$48 million include severance costs for approximately 720 employees, of which 460 were direct employees and 260 were indirect employees. The adjustments of \$6 million reflect reversals of accruals no longer needed. The \$38 million used in 2024 reflects cash payments to severed employees. The remaining accrual of \$27 million, which is included in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2024, is expected to be paid, primarily within one year to: (i) severed employees who have already begun to receive payments and (ii) approximately 140 employees to be separated in 2025.

2023 Charges

During 2023, the Company recorded net reorganization of business charges of \$53 million, including \$7 million of charges in Costs of sales and \$46 million of charges under Other charges in the Company's Consolidated Statements of Operations. Included in the \$53 million were charges of \$41 million for employee separation costs and a \$24 million impairment loss related to the exit of video manufacturing operations, partially offset by \$7 million of reversals of accruals no longer needed and \$5 million of reversals for exit cost accruals no longer needed.

The following table displays the net charges incurred by segment:

Year ended December 31	2023	
Products and Systems Integration	\$	45
Software and Services		8
	\$	53

Reorganization of Businesses Accruals

	Accruals at January 1	Additional Charges	Adjustments	Amount Used	Accruals at December 31
Reorganization costs \$	26 \$	41 \$	(7) \$	(37) \$	23
Exit costs	10	—	(5)	—	5
\$	36 \$	41 \$	(12) \$	(37) \$	28

Exit Costs

At January 1, 2023, the Company had an accrual of \$10 million for exit costs related to the Company's exit of the ESN contract with the Home Office. During the year, the Company recorded a \$5 million reversal for accruals no longer needed. The remaining \$5 million of exit costs are recorded in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2023, and are expected to be paid within one year.

Employee Separation Costs

At January 1, 2023, the Company had an accrual of \$26 million for employee separation costs. The 2023 additional charges of \$41 million include severance costs for approximately 700 employees, of which 420 were direct employees and 280 were indirect employees. The adjustments of \$7 million reflect reversals of accruals no longer needed. The \$37 million used in 2023 reflects cash payments to severed employees. The remaining accrual of \$23 million, which was included in Accrued liabilities in the Company's Consolidated Balance Sheet at December 31, 2023, is expected to be paid, primarily within one year to: (i) severed employees who have already begun to receive payments and (ii) approximately 75 employees to be separated in 2024.

2022 Charges

During 2022, the Company recorded net reorganization of business charges of \$36 million, including \$18 million of charges in Costs of sales and \$18 million of charges under Other charges in the Company's Consolidated Statements of Operations. Included in the aggregate \$36 million were charges of \$36 million for employee separation costs and \$10 million for exit costs, partially offset by \$10 million of reversals of accruals no longer needed.

The following table displays the net charges incurred by segment:

Year ended December 31	2022	
Products and Systems Integration	\$	21
Software and Services		15
	\$	36

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Intangible Assets and Goodwill

Goodwill and Intangible Assets Disclosure [Abstract] Intangible Assets and Goodwill

12 Months Ended Dec. 31, 2024

Intangible Assets and Goodwill

The Company accounts for acquisitions using purchase accounting with the results of operations for each acquiree included in the Company's consolidated financial statements for the period subsequent to the date of acquisition.

Recent Acquisitions

On October 29, 2024, the Company acquired 3tc, a provider of control room software solutions for \$22 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of one year. The acquisition expands the Company's critical experience and innovation focused on advancina CAD for the U.K.'s public safety agencies. The Company recognized \$19 million of goodwill, \$4 million of identifiable intangible assets, and \$1 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as \$4 million of developed technology and will be amortized over a period of seven years. The business is part of the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, intangible assets, net liabilities and goodwill may be subject to change.

On July 1, 2024, the Company acquired Noggin, a global provider of CEM software for \$91 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$19 million to certain key employees that will be expensed over a service period of three years. This acquisition enhances the Company's portfolio by adding operational resilience and CEM capabilities, which help enterprises and critical infrastructure anticipate, prepare for and efficiently respond to incidents. The Company recognized \$50 million of goodwill, \$53 million of identifiable intangible assets, and \$12 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$1 million of trade names, \$7 million of customer relationships and \$45 million of developed technology and will be amortized over a period of three, fifteen and thirteen years, respectively. The business is part of the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, intangible assets, net liabilities and goodwill may be subject to change.

On July 1, 2024, the Company acquired a company that provides vehicle location and management solutions for \$132 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$3 million to certain key employees that will be expensed over a service period of three years. The Company recognized \$62 million of goodwill, \$65 million of identifiable intangible assets and \$5 million of net assets. The goodwill is deductible for tax purposes. The identifiable intangible assets were classified as \$11 million of trade names, \$51 million of customer relationships and \$3 million of developed technology and will be amortized over a period of nine, eighteen and six years, respectively. The acquisition expands the Company's video solutions within the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, net assets and goodwill may be subject to change.

On February 13, 2024, the Company acquired Silent Sentinel, a provider of specialized, long-range cameras, for \$37 million, net of cash acquired. This acquisition complements the Company's portfolio of fixed video cameras, expanding its footprint with government and critical infrastructure customers and strengthens the Company's position as a global leader in end-to-end video security solutions. The Company recognized \$16 million of goodwill, \$22 million of identifiable intangible assets and \$1 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$1 million of trade names, \$10 million of customer relationships and \$11 million of developed technology and will be amortized over a period of two, fourteen and ten years, respectively. The business is part of the Products and System Integration segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, net liabilities and goodwill may be subject to change.

On December 15, 2023, the Company acquired IPVideo, the creator of the HALO Smart Sensor, for \$170 million, net of cash acquired. The transaction also included the potential for the Company to make contingent earn-out payments of up to \$15 million based on IPVideo's achievement of certain financial targets from January 1, 2024 through December 31, 2024. As of the acquisition date, the Company estimated the fair value of the contingent earn-out to be \$2 million, which was included in the purchase price. However, as of December 31, 2024, the Company concluded that the contingent earn-out targets were not achieved. In addition, the Company issued restricted stock at a fair value of \$5 million to certain key employees that will be expensed over a service period of one year. The HALO Smart Sensor is a multifunctional safety and security device with built-in vape detection and air quality monitoring, gunshot detection, abnormal noise and motion detection and emergency keyword detection. This acquisition adds sensor technology to the Company's physical security portfolio. The Company recognized \$100 million of goodwill, \$83 million of identifiable intangible assets and \$13 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$8 million of trade names, \$6 million of customer relationships and \$69 million of developed technology and will be amortized over a period of eight, twelve and fifteen years, respectively. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the fourth quarter of 2024.

On December 14, 2022, the Company acquired Rave Mobile, a leader in mass notification and incident management, for \$553 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$2 million to certain key employees that will be expensed over a service period of two years. This acquisition complements the Company's portfolio with a platform specifically designed to help organizations and public safety agencies communicate and collaborate during emergencies. The Company recognized \$400 million of goodwill, \$212 million of identifiable intangible assets and \$59 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$9 million of trade names, \$82 million of developed technology and \$121 million of customer relationships and will be amortized over a period of nine, seventeen years and seventeen years, respectively. The business is a part of the Software and Services segment. The purchase accounting was completed as of the fourth quarter of 2023.

On October 25, 2022, the Company acquired Futurecom, a leading provider of radio coverage extension solutions for public safety agencies, for \$30 million, net of cash acquired. Futurecom designs and manufactures radio frequency repeaters. This acquisition further expands the Company's communications network and device portfolios. The Company recognized \$10 million of goodwill, \$11 million of an identifiable intangible asset and \$9 million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as developed technology and will be amortized over a period of six years. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the fourth quarter of 2023.

On August 8, 2022, the Company acquired Barrett Communications, a global provider of specialized radio communications, for \$18 million, net of cash acquired. This acquisition complements the Company's existing radio portfolio, allowing the Company to use high frequency and very high frequency radio communications to support mission-critical operations. The Company recognized \$1 million of goodwill, \$3 million of identifiable intangible assets and \$14 million of net assets. The identifiable intangible assets were classified as \$1 million of trade names and \$2 million of developed technology, both of which will be amortized over a period of seven years. The goodwill is not deductible for tax purposes. The business is part of the Products and Systems Integration segment. The purchase accounting was completed as of the third quarter of 2023.

On May 12, 2022, the Company acquired Videotec, a global provider of ruggedized video security solutions, for \$23 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of one year. This acquisition extends the Company's breadth of high-performance video products, reinforcing the Company's strategy to be a global leader in video security solutions. The Company recognized \$9 million of goodwill, \$6 million of an identifiable intangible asset and \$8 million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as developed technology and will be amortized over a period of four years. The business is part of the Products and Systems Integration segment. The purchase accounting was completed as of the second quarter of 2023.

On April 19, 2022, the Company acquired Calipsa, a technology leader in cloud-native advanced video analytics, for \$39 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of two years. This acquisition extends the Company's intelligent analytics across video security solutions and supports the accelerating trend of enterprises using cloud technologies to enhance safety and security. The Company recognized \$24 million of goodwill, \$21 million of identifiable intangible assets, and \$6 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$20 million of developed technology and \$1 million of customer relationships that will be amortized over a period of fifteen and three years, respectively. The business is a part of the Software and Services segment. The purchase accounting was completed as of the second quarter of 2023.

On March 23, 2022, the Company acquired TETRA Ireland, the provider of Ireland's National Digital Radio Service, for \$120 million, net of cash acquired. The Company was an initial shareholder of TETRA Ireland and acquired the remaining interest in the entity from the other shareholders. This acquisition expands the Company's portfolio of delivering mission-critical voice and data communications solutions to first responders and frontline workers. As a result of the acquisition, the Company recognized a \$21 million gain recorded within Other income (expense) on the Company's initial minority interest. The Company recognized \$47 million of goodwill, \$90 million of identifiable intangible assets, and \$6 million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$83 million of customer relationships and \$7 million of trade names that will be amortized over a period of twelve years and fourteen years, respectively. The business is part of the Software and Services segment. The purchase accounting was completed as of the first quarter of 2023.

On March 3, 2022, the Company acquired Ava, a global provider of cloud-native video security and analytics, for \$388 million, net of cash acquired. In addition, the Company issued restricted stock and restricted stock units at a fair value of \$7 million to certain key employees that will be expensed over an average service period of two years. This acquisition expands the Company's portfolio of intelligent video solutions that help to enhance safety and streamline operations. The Company recognized \$267 million of goodwill, \$165 million of identifiable intangible assets, and \$44 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$144 million of developed technology and \$21 million of customer relationships that will be amortized over a period of fourteen and two years, respectively. The business is a part of both the Products and Systems Integration segment and the Software and Services segment. The purchase accounting was completed as of the first quarter of 2023.

Intangible Assets

Amortized intangible assets are comprised of the following:

	2024		2023	
	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
December 31 (in millions)				
Intangible assets:				
Developed technology	\$ 1,226	\$ 535	\$ 1,156	\$ 447
Patents	2	2	2	2
Customer-related	1,609	1,093	1,566	1,055
Other intangibles	116	74	105	70
	\$ 2,953	\$ 1,704	\$ 2,829	\$ 1,574

Amortization expense on intangible assets, which is included within Other charges in the Consolidated Statements of Operations, was \$152 million, \$177 million, and \$257 million for the years ended December 31, 2024, 2023, and 2022, respectively. As of December 31, 2024, future amortization expense is estimated to be \$143 million in 2025, \$134 million in 2026, \$124 million in 2027, \$123 million in 2028, and \$112 million in 2029.

Amortized intangible assets, excluding goodwill, were comprised of the following by segment:

	2024		2023	
	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
December 31 (in millions)				
Products and Systems Integration	\$ 1,017	\$ 409	\$ 985	\$ 337
Software and Services	1,936	1,295	1,844	1,237
	\$ 2,953	\$ 1,704	\$ 2,829	\$ 1,574

Goodwill

The following table displays a rollforward of the carrying amount of goodwill, net of impairment losses, by segment from January 1, 2023 to December 31, 2024:

(in millions)	Products and Systems Integration		Software and Services		Total
Balance as of January 1, 2023	\$	1,461	\$	1,851	\$ 3,312
Goodwill acquired		109			109
Purchase accounting adjustments		(2)		(29)	(31)
Foreign currency translation		—		11	11
Balance as of December 31, 2023	\$	1,568	\$	1,833	\$ 3,401
Goodwill acquired		16		128	144
Purchase accounting adjustments		(9)		3	(6)
Foreign currency translation		(2)		(11)	(13)
Balance as of December 31, 2024	\$	1,573	\$	1,953	\$ 3,526

The Company conducts its annual assessment of goodwill for impairment as of the last day of the third quarter of each fiscal year. The goodwill impairment assessment is performed at the reporting unit level which is an operating segment or one level below an operating segment.

In 2024 and 2023, the Company performed a qualitative assessment to determine whether it was more-likely-than-not that the fair value of each reporting unit was less than its carrying amount. In performing this qualitative assessment the Company assessed relevant events and circumstances including macroeconomic conditions, industry and market conditions, cost factors, overall financial performance, changes in enterprise value, and entity-specific events. For fiscal year 2024 and 2023, the Company concluded it was more-likely-than-not that the fair value of each reporting unit exceeded its carrying value. Therefore, a quantitative goodwill impairment test was not required and there was no impairment of goodwill in 2024 or 2023.

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Valuation and
Qualifying Accounts

SEC Schedule, 12-09, Valuation and Qualifying Accounts [Abstract]

Valuation and Qualifying Accounts

12 Months Ended
Dec. 31, 2024

Valuation and Qualifying Accounts

The following table presents the valuation and qualifying account activity for the years ended December 31, 2024, 2023, and 2022:

	Balance at Beginning of Period	Charged to Earnings	Used	Adjustments*	Balance at End of Period
2024					
Allowance for credit losses	\$ 69	\$ 49	\$ (35)	\$ —	\$ 83
2023					
Allowance for credit losses	61	29	(21)	—	69
2022					
Allowance for credit losses	70	28	(36)	(1)	61

* Adjustments include translation adjustments

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Pay vs Performance
Disclosure - USD (\$)
\$ in Millions

Pay vs Performance Disclosure

Net earnings	\$ 1,577	\$ 1,709	\$ 1,363

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Insider Trading
Arrangements

Trading Arrangements, by Individual

Rule 10b5-1 Arrangement Adopted	false
Non-Rule 10b5-1 Arrangement Adopted	false
Rule 10b5-1 Arrangement Terminated	false
Non-Rule 10b5-1 Arrangement Terminated	false

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Insider Trading
Policies and
Procedures

Insider Trading Policies and Procedures [Line Items]

Insider Trading Policies and Procedures Adopted

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Cybersecurity Risk
Management and
Strategy Disclosure

Cybersecurity Risk
Management,
Strategy, and
Governance [Line
Items]

Cybersecurity Risk
Management Processes
for Assessing,
Identifying, and
Managing Threats [Text
Block]

We assess, identify and manage material risks from cybersecurity threats through various protective policies, procedures and processes, including through: (1) the monitoring responsibilities of our cybersecurity program; (2) our information security policies and standards, including our global incident response procedure; (3) our audit services department's annual enterprise risk management ("ERM") assessment; (4) our third-party cybersecurity risk assessment program; and (5) cybersecurity insurance.

Designed to maintain the confidentiality, integrity and availability of customer and internal company information, our cybersecurity program focuses on protecting our enterprise information systems and the secure development and deployment of our products. We monitor for critical vulnerabilities and threat actor activity, and work to create a unified view to prioritize protecting our critical infrastructure (including potential impacts to key third-party service providers to the Company). The cybersecurity program, which is led by our Vice President of Cybersecurity & Information Technology Infrastructure, holds regular meetings to review ongoing internal information security investigations. We assess the effectiveness of our cybersecurity program using self-assessments and independent third-party analyses, and evaluate our program using frameworks such as the National Institute of Standards and Technology ("NIST") Cybersecurity Framework. In addition to these independent third-party analyses, third-parties also provide services to support our cybersecurity in several ways, such as through penetration testing and commercial information security threat sharing networks, and by assisting with tabletop exercises and certain monitoring activities.

We have designed and implemented a global incident response procedure, which helps enable us to quickly detect, respond to, and recover from third-party malicious attacks and potential security incidents. This procedure includes formal steps to review incidents and implement improvements, including steps to involve the Vice President of Cybersecurity & Information Technology Infrastructure, as appropriate. In addition, we have other specific information security policies and standards, organized to align with various NIST frameworks, which we use to manage our cybersecurity risks.

Assessing, identifying and managing cybersecurity risks are integrated into our audit services department's annual ERM assessment, which is designed to identify, assess, prioritize, mitigate and monitor our principal risks. The ERM assessment considers the probability, impact and velocity of potential risks, providing management and the Audit Committee with an overarching and objective view of the Company's risk management activities. Audit services identifies and conducts engagements utilizing inputs from the ERM assessment. The engagements span financial, operational, strategic and compliance risks, with a view to assessing risks over a two-year time horizon. The engagement results assist management in maintaining acceptable risk levels. The Vice President of Audit Services reports directly to the Audit Committee as well as to the Chief Financial Officer and meets regularly with the Audit Committee and its chairperson, including in executive sessions. Separately, the Vice President of Audit Services and Vice President of Ethics & Compliance head an internal cross-functional team (including members from our cybersecurity and data privacy programs, among others) that holds regular meetings to discuss the key risks facing the Company and related mitigation efforts, including cybersecurity risks. Cybersecurity risk is tracked as a principal risk within the context of the ERM assessment.

In addition, we have processes designed to oversee and identify risks from cybersecurity threats associated with our use of third-party service providers. Pursuant to our third-party cybersecurity risk assessment program, any outsourcer partners and suppliers that have access to the Company's data or customer data complete a risk assessment prior to the Company engaging with such parties. Using the assessments, our cybersecurity program looks to determine any gaps and identified risks, and then appropriate teams within the Company work to track and remediate such risks. These third-party risk assessments are foundational for how we manage and monitor our supply chain.

To further complement the processes described above, we maintain insurance related to cybersecurity risks. We maintain a broad portfolio of insurance coverage, leveraging the products of multiple companies to help ensure appropriate protection.

We are subject to attempts to compromise our information technology systems from both internal and external sources. Like all information technology systems, our systems have been in the past, and could be in the future, vulnerable to damage, unauthorized access or interruption from a variety of sources. As of the filing of this Form 10-K, we are not aware of any such attacks that have occurred since the beginning of 2024 that have materially affected, or are reasonably likely to materially affect, us, including our business strategy, results of operations or financial condition. However, if as a result of any future attacks our information technology systems are significantly damaged, cease to function properly or are subject to a significant cybersecurity breach, we may suffer an interruption in our ability to manage and operate our business, and our business strategy, results of operations or financial condition could be adversely affected. Such attacks, whether or not successful, could damage our reputation and result in significant costs related to, for example, repairing or replacing our IT systems; the loss of critical data; interruptions or delays in our ability, or that of our customers, to perform critical functions; defending against claims for breach of contracts, tort and other civil claims without adequate indemnification from our suppliers; providing time-sensitive notification requirements; and providing modifications or replacements to our products and services. In addition, the volume, frequency and sophistication of these threats (including through the use of AI) continues to grow and the complexity and scale of the systems to be protected continues to increase. See "Risks Related to Information Technology and Intellectual Property" in "Part I. Item 1A. Risk Factors" of this Form 10-K for further information.

Cybersecurity Risk
Management Processes
Integrated [Flag]

true

Cybersecurity Risk
Management Processes
Integrated [Text Block]

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Cybersecurity Risk
Management Third
Party Engaged [Flag]

true

Cybersecurity Risk
Third Party Oversight
and Identification
Processes [Flag]

true

Cybersecurity Risk
Materially Affected or
Reasonably Likely to
Materially Affect
Registrant [Flag]

false

Cybersecurity Risk
Board of Directors
Oversight [Text Block]

Our Board has delegated to the Audit Committee the responsibility to oversee risks related to cybersecurity threats. Specifically, subject to oversight by the full Board, the Vice President of Cybersecurity & Information Technology Infrastructure provides the Audit Committee with periodic cybersecurity and information security reports, including recent cybersecurity incidents and cybersecurity products and operations. Annually, the Vice President of Audit Services reviews the results of the ERM assessment with the Audit Committee as well. In addition, a subset or the full group of certain individuals, such as our Chief Information Officer, Vice President of Cybersecurity & Information Technology Infrastructure, and Data Protection Officer, present at least once per year to the Audit Committee regarding cybersecurity and data privacy risk topics. The full Board is regularly informed about such risks through Audit Committee reports and presentations.

Cybersecurity Risk

The Vice President of Audit Services reports directly to the Audit Committee as well as to the Chief Financial Officer and meets regularly with the Audit Committee and

[Board Committee or Subcommittee Responsible for Oversight \[Text Block\]](#)
[Cybersecurity Risk Process for Informing Board Committee or Subcommittee Responsible for Oversight \[Text Block\]](#)
[Cybersecurity Risk Role of Management \[Text Block\]](#)

[Cybersecurity Risk Management Positions or Committees Responsible \[Flag\]](#)
[Cybersecurity Risk Management Positions or Committees Responsible \[Text Block\]](#)
[Cybersecurity Risk Management Expertise of Management Responsible \[Text Block\]](#)
[Cybersecurity Risk Process for Informing Management or Committees Responsible \[Text Block\]](#)
[Cybersecurity Risk Management Positions or Committees Responsible Report to Board \[Flag\]](#)

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[Summary of Significant Accounting Policies \(Policies\)](#)
[Accounting Policies \[Abstract\]](#)
[Principles of Consolidation](#)

[Use of Estimates](#)

[Revenue Recognition](#)

its chairperson, including in executive sessions.Our Vice President of Cybersecurity & Information Technology Infrastructure, along with this individual's teams, are in charge of assessing and managing our risks related to cybersecurity, including by setting our strategy, policies, standards and processes in these areas, as further described above under "Risk Management & Strategy." Utilizing the processes noted above, these teams remain informed about and monitor the prevention, detection, mitigation and remediation of cybersecurity incidents.

Annually, the Vice President of Audit Services reviews the results of the ERM assessment with the Audit Committee as well. In addition, a subset or the full group of certain individuals, such as our Chief Information Officer, Vice President of Cybersecurity & Information Technology Infrastructure, and Data Protection Officer, present at least once per year to the Audit Committee regarding cybersecurity and data privacy risk topics. The full Board is regularly informed about such risks through Audit Committee reports and presentations.

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Our Vice President of Cybersecurity & Information Technology Infrastructure has over thirty years of work experience in the information technology field, specifically information security. This individual began their career as a security engineer, progressing to a security architect, and then to overall leader of the Cybersecurity and Information Technology Infrastructure functions at the Company. This individual holds a Master of Computer Science degree. This individual also maintains a Certified Information Security Manager (CISM) certification from ISACA, an international professional organization focused on IT governance, as well as a Certified Information Systems Security Professional (CISSP) certification from the International Information System Security Certification Consortium (ISC2), a leading member association for cybersecurity professionals.

true

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Annually, the Vice President of Audit Services reviews the results of the ERM assessment with the Audit Committee as well. In addition, a subset or the full group of certain individuals, such as our Chief Information Officer, Vice President of Cybersecurity & Information Technology Infrastructure, and Data Protection Officer, present at least once per year to the Audit Committee regarding cybersecurity and data privacy risk topics. The full Board is regularly informed about such risks through Audit Committee reports and presentations.

true

12 Months Ended

Dec. 31, 2024

Principles of Consolidation: The consolidated financial statements include the accounts of Motorola Solutions, Inc. (the "Company" or "Motorola Solutions") and all controlled subsidiaries. All intercompany transactions and balances have been eliminated.

The consolidated financial statements as of December 31, 2024 and 2023 and for the years ended December 31, 2024, 2023 and 2022, include, in the opinion of management, all adjustments (consisting of normal recurring adjustments and reclassifications) necessary to present fairly the Company's consolidated financial position, results of operations, statements of comprehensive income, and statements of stockholders' equity and cash flows for all periods presented.

Use of Estimates: The preparation of financial statements in conformity with United States ("U.S.") Generally Accepted Accounting Principles ("GAAP") requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates.

Revenue Recognition: Net sales consist of a wide range of goods and services including the delivery of products, systems and system integration as well as offering software and service solutions. The Company recognizes revenue to reflect the transfer of control of promised goods or services to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services.

The Products and Systems Integration segment is comprised of devices, systems, and systems integration for our Land Mobile Radio Communication ("LMR" or "LMR Communications") and Video Security and Access Control ("Video") technologies. Direct customers of the Products and Systems Integration segment are typically government, public safety agencies, procuring at state, local, and federal levels as well as large commercial customers with secure mission-critical needs. Indirect customers are defined as customers purchasing professional and commercial radios and video security, which are primarily sold through the Company's reseller partners to an end-customer base, composed of various industries where private communications systems and video security are used to secure operations and enable a mobile workforce. Contracts with the Company's customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our government customers, funded through appropriations. The Company records consideration from shipping and handling on a gross basis within Net sales. In limited instances where the Company is not the principal in the arrangement, the Company will recognize revenue on a net basis.

LMR and Video devices include two-way portable and vehicle-mounted radios, video cameras and accessories. Devices are considered capable of being distinct and distinct within the context of the Company's contracts. Revenue is recognized upon the transfer of control of the devices to the customer at a point in time, typically consistent with delivery under the applicable shipping terms. Devices are sold by both the direct sales force and through reseller partners. Revenue is generally recognized upon transfer of devices to reseller partners, rather than the end-customer, except for limited consignment arrangements. Provisions for returns and reseller discounts are made on a portfolio basis using historical data.

The Products and Systems Integration segment includes both customized communications systems and video security solutions, including the integration of these networks with devices, software, and applications within both LMR and Video technologies. For systems contracts, revenue for the year ended December 31, 2024 was \$2.0 billion compared to \$1.9 billion for the year ended December 31, 2023 and \$1.8 billion for the year ended December 31, 2022. The communications systems include the aggregation of promises to the customer to provide i) a communications network core and central processing software, base stations, consoles, and repeaters or ii) a video security solution including video analytics, network video management hardware and software, and access control solutions. The individual promises within a communications network contract are not distinct in the context of the contract, as the Company provides a significant service of integrating and customizing the goods and services promised. The communications network represents a distinct performance obligation for which revenue is recognized over time, as the Company creates an asset with no alternative use and has an enforceable right to payment for work performed. The Company's revenue recognition over time is based on an input measure of costs incurred, which depicts the transfer of control to its customers under its contracts. Products and Systems Integration revenue for communications network systems is recognized over an average duration of approximately one to two years. Individual promises of the video security solution are capable of being distinct and distinct in the context of the contract. Video security solutions are traditionally sold through reseller partners, with contracts negotiated under fixed pricing. Revenue is recognized upon the transfer of control of the video solution to the reseller partners, typically upon shipment.

The Software and Services segment provides solutions for government, public safety and commercial communications systems. Direct customers of the Software and Services segment are typically government, public safety and first-responder agencies and municipalities. Indirect customers are commercial customers who distribute our software solutions to a final end customer base. Contracts with our customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our direct customers, funded through government appropriations.

Software offerings primarily include Command Center and Video software and services which can be delivered either as an "as-a-service", on-premise, or hybrid solution. Solutions delivered as-a-service consist of a range of promises including hosted software, technical support and the right to unspecified future software enhancements. Software is not distinct from the hosting service since the customer does not have the right to take possession of the software at any time during the term of the arrangement. Solutions delivered as-a-service are recognized over time on a straight-line basis as a series of distinct services.

On-premise and hybrid offerings generally consist of multiple promises primarily including software licenses and post-contract customer support. The promises are generally each distinct and distinct within the context of the contract as the customer benefits from each promise individually without any significant integration or interrelationship between the promises. On-premise software revenue is generally recognized at the point in time when the customer can benefit from the software which generally aligns with the beginning of the license period. Revenue for post-contract customer support is recognized over time as the customer simultaneously receives and consumes the services on a straight-line basis. In certain situations when the software license is not distinct within the context of the contract, revenue for the software license is recognized over time following the transfer of control under the arrangement. For hybrid arrangements, the on-premise software, cloud-based software, and implementation services are a single performance obligation, where in over time revenue recognition begins at the point of service activation when the customer can access the system and begin beneficial use.

Services include a continuum of service offerings beginning with repair, technical support and maintenance. More advanced offerings include: monitoring, software updates and cybersecurity services. Managed service offerings range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. Services are provided across all technologies and are both distinct and capable of being distinct in the context of the contract, representing a series of recurring services that the Company stands ready to perform over the contract term. Since services contracts typically allow for customers to terminate for convenience or for non-appropriations of fiscal funding, the contract term is generally considered to be limited to a monthly or annual basis, subject to customer renewal. While contracts with customers are typically fixed fee, certain managed services contracts may be subject to variable consideration related to the achievement of service level agreement performance measurements. The Company has not historically paid significant penalties under service level agreements, and accordingly, it does not constrain its contract price. Certain contracts may also contain variable consideration driven by the number of users. Revenue is typically recognized on services over time as a series of services performed over the contract term on a straight-line basis.

The Company enters into arrangements which generally consist of multiple promises to our customers. The Company evaluates whether the promised goods and services are distinct or a series of distinct goods or services. Where contracts contain multiple performance obligations, the Company allocates the total estimated consideration to each performance obligation based on applying an estimated selling price ("ESP") as our best estimate of standalone selling price. We use list price as the standalone selling price for indirect sales sold through our channel partners. Given the unique nature of the goods and services we provide to direct customers, sufficient standalone sales of our products generally do not exist. Therefore, the Company determines ESP by: (i) collecting all reasonably available historical data points including sales, cost and margin analyses of the product or services, and other inputs based on its normal pricing and discounting practices, (ii) making any reasonably required adjustments to the data based on market and Company-specific factors, and (iii) stratifying the data points for similar customers and circumstances, when appropriate, based on major product or service, type of customer, geographic market, and sales volume.

The Company accounts for certain system contracts without an alternative use on an over time basis, electing an input method of estimated costs as a measure of performance completed. The selection of costs incurred as a measure of progress aligns the transfer of control to the overall production of the customized system. For system contracts accounted for over time using estimated costs as a measure of performance completed, the Company relies on estimates around the total estimated costs to complete the contract ("Estimated Costs to Complete"). Estimated Costs to Complete include direct labor, material and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. The Company has a standard and disciplined process in which management reviews the progress and performance of open contracts in order to determine the best estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor cost, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. When estimates of total costs to be incurred on a contract exceed estimates of total revenue to be earned, a provision for the entire loss on the contract is recorded in the period in which the loss is determined.

[Cash Equivalents Investments](#)

Investments: The Company generally invests in equity securities of a strategic nature.

The Company applies the equity method of accounting for equity investments if the Company has significant influence over the issuing entity. The Company's share of the investee's underlying net income or loss is recorded to Other, net within Other income (expense).

Equity securities with readily determinable fair values are carried at fair value with changes in fair value recorded in Other, net within Other income (expense). Equity securities without readily determinable fair values are carried at cost, less impairments, if any, and adjusted for observable price changes for the identical or a similar investment of the same issuer. The Company performs a qualitative impairment assessment to determine if such investments are impaired. The qualitative assessment considers all available information, including declines in the financial performance of the issuing entity, the issuing entity's operating environment, and general market conditions. Impairments of equity securities without readily determinable fair values are recorded to Other, net within Other income (expense).

[Inventories Property, Plant, and Equipment](#)

Inventories: Inventories are valued at the lower of cost (which approximates cost on a first-in, first-out basis) and net realizable value.

Property, Plant and Equipment: Property, plant and equipment are stated at cost less accumulated depreciation. Depreciation is recorded on a straight-line basis, based on the estimated useful lives of the assets (leasehold improvements, one to twenty years; machinery and equipment, one to fifteen years) and commences once the assets are ready for their intended use. When certain events or changes in operating conditions occur, useful lives of the assets may be adjusted or an impairment assessment may be performed on the recoverability of the carrying value.

Goodwill and Intangible Assets	Goodwill and Intangible Assets: Goodwill is assessed for impairment at least annually at the reporting unit level, or more frequently if events or circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying value level. The Company performs its annual assessment of goodwill for impairment as of the last day of the third quarter of each fiscal year, typically through a qualitative assessment. Indicators of impairment include: (i) macroeconomic conditions, (ii) industry and market conditions, (iii) cost factors, including product and selling, general and administrative costs, (iv) overall financial performance of the Company, (v) changes in share price, and (vi) other relevant company-specific events. If it is determined that it is more-likely-than-not that the fair value of the reporting unit is less than its carrying amount, the Company will perform a quantitative goodwill impairment test, which compares the fair value of the reporting unit to its carrying value. A quantitative assessment includes the assignment of assets and liabilities to each of the Company's reporting units and an assessment of the fair value of each of the Company's reporting units. The Company utilizes an income approach (discounted cash flows) to estimate the fair value of each reporting unit, which is corroborated by market multiples when available and as appropriate. Key assumptions in the quantitative analysis include revenue growth rates (including long-term growth rates for terminal value assumptions), operating margin estimates, discount rates, and where applicable, the comparable multiples from publicly traded companies in the Company's industry. If the carrying amount of a reporting unit exceeds its fair value, the Company would recognize an impairment loss in an amount equal to that excess, limited to the total amount of goodwill allocated to that reporting unit. Intangible assets are amortized on a straight line basis over their respective estimated useful lives ranging from one to twenty years. The Company has no intangible assets with indefinite useful lives. Leases: The Company leases certain office, factory and warehouse space, land and other equipment, principally under non-cancelable operating leases. The Company determines if an arrangement is a lease at inception of the contract. The Company's key considerations in determining whether a contract is or contains a lease include establishing whether the supplier has the ability to use other assets to fulfill its service or whether the terms of the agreement enable the Company to control the use of a dedicated asset during the contract term. In the majority of the Company's contracts where it must identify whether a lease is present, it is readily determinable that the Company controls the use of the assets and obtains substantially all of the economic benefit during the term of the contract. In those contracts where identification is not readily determinable, the Company has determined that the supplier has either the ability to use another asset to provide the service or the terms of the contract give the supplier the right to operate the asset at its discretion during the term of the contract. Right-of-use ("ROU") assets and operating lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at the commencement date. The Company's lease payments are typically fixed or contain fixed escalators. The Company has elected to not separate lease and non-lease components for all of its current lease categories and therefore, all consideration is included in lease payments. For the Company's leases consisting of land and other equipment (i.e. "communications network sites"), future payments are subject to variability due to changes in indices or rates. The Company values its ROU assets and lease liabilities based on the index or rate in effect at lease commencement. Future changes in the indices or rates are accounted for as variable lease costs. Other variable lease costs include items that are not fixed at lease commencement including property taxes, insurance, and operating charges that vary based on usage. ROU assets also include lease payments made in advance and are net of lease incentives. As the majority of the Company's leases do not provide an implicit rate, the Company uses its incremental borrowing rates based on the information available at the commencement date in determining the present value of future payments. The Company's incremental borrowing rates are based on the term of the lease, the economic environment of the lease, and the effect of collateralization. The Company's lease terms range from one to twenty-one years and may include options to extend the lease by one to ten years or terminate the lease after the initial non-cancelable term. The Company does not include options in the determination of the lease term for the majority of leases as sufficient economic factors do not exist that would compel it to continue to use the underlying asset beyond the initial non-cancelable term. However, for the Company's communications network site leases that are necessary to provide services to customers under managed service arrangements, the Company includes options in the lease term to the extent of the customer contracts to which those leases relate. Impairment of Long-Lived Assets: Long-lived assets, which include intangible assets, held and used by the Company are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of assets may not be recoverable. The Company evaluates the probability of assets to be held and used by comparing the carrying amount of an asset (group) to future net undiscounted cash flows to be generated by the asset (group). If an asset (group) is considered to be impaired, the impairment to be recognized is equal to the amount by which the carrying amount of the asset (group) exceeds the asset's (group's) fair value calculated using a discounted future cash flows analysis or market comparable analysis. Assets held for sale, if any, are reported at the lower of the carrying amount or fair value less cost to sell.
	Income Taxes: The Company records deferred income tax assets and liabilities based on the estimated future tax effects of differences between the financial and tax bases of assets and liabilities based on currently enacted tax laws. The Company's deferred and other tax balances are based on management's interpretation of the tax regulations and rulings in numerous tax jurisdictions. Income tax expenses and liabilities recognized by the Company also reflect its best estimates and assumptions regarding, among other things, the level of future taxable income, the effect of the Company's various tax planning strategies, and uncertain tax positions. Future tax authority rulings and changes in tax laws, changes in projected levels of taxable income, and future tax planning strategies could affect the actual effective tax rate and tax balances recorded by the Company.
Long-term Receivables	Long-Term Receivables: Long-term receivables include trade receivables where contractual terms of the note agreement are greater than one year. The Company estimates credit losses on accounts receivable based on historical losses and then takes into account estimates of current and future economic conditions. Long-term receivables are considered past due if payments have not been received according to the contractual terms of the note agreement, including principal and interest. Impaired long-term receivables are valued based on the present value of expected future cash flows discounted at the receivable's effective interest rate, or the fair value of the collateral if the receivable is collateral dependent. Interest income and late fees on impaired long-term receivables are recognized only when payments are received. Previously impaired long-term receivables are no longer considered impaired and are reclassified to performing when they have performed under restructuring for four consecutive quarters.
Environmental Liabilities	Environmental Liabilities: The Company maintains a liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Comprehensive Environmental Response, Compensation and Liability Act (commonly known as the "Superfund Act") incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. When the timing and amount of the future cash payments are fixed or reliably determinable, the Company discounts the future cash flows used in estimating the accrual using a risk-free treasury rate. The current portion of the estimated environmental liability is included in the Accrued liabilities statement line and the non-current portion is included in the Other liabilities statement line within the Company's Consolidated Balance Sheet.
Foreign Currency	Foreign Currency: Certain non-U.S. operations within the Company use their respective local currency as their functional currency. Those operations that do not have the U.S. dollar as their functional currency translate assets and liabilities at current rates of exchange in effect at the balance sheet date and revenues and expenses using rates that approximate those in effect during the period. The resulting translation adjustments are included as a component of Accumulated other comprehensive income (loss) in the Company's Consolidated Balance Sheet. For those operations that have transactions denominated in local currency which differs from functional currency, transactions denominated in the local currency are measured in their functional currency using the current rates of exchange for monetary assets and liabilities and historical rates of exchange for nonmonetary assets. Gains and losses from remeasurement of monetary assets and liabilities are included in Other within Other income (expense) within the Company's Consolidated Statements of Operations. The Company uses financial instruments to reduce its overall exposure to the effects of currency fluctuations on cash flows. The Company's policy prohibits speculation in financial instruments for profit on exchange rate fluctuations, trading in currencies for which there are no underlying exposures, or entering into transactions for any currency to intentionally increase the underlying exposure. The Company's strategy related to foreign exchange exposure management is to offset the gains or losses on the financial instruments against gains or losses on the underlying operational cash flows, net investments or monetary assets and liabilities based on the Company's assessment of risk. The Company enters into derivative contracts for some of its non-functional currency cash, receivables, and payables, which are primarily denominated in major currencies that can be traded on open markets. The Company typically uses forward contracts and options to hedge these currency exposures. In addition, the Company has entered into derivative contracts for some forecasted transactions or net investments in some of its overseas entities, which are designated as part of a hedging relationship if it is determined that the transaction qualifies for hedge accounting under the provisions of the authoritative accounting guidance for derivative instruments and hedging activities. A portion of the Company's exposure is from currencies that are not traded in liquid markets and these are addressed, to the extent reasonably possible, by managing net asset positions, product pricing and component sourcing.
Derivative Instruments	Derivative Instruments: For Foreign exchange contracts, not designated as hedging instruments, gains and losses are recorded immediately in Other income (expense) within the Consolidated Statements of Operations. For Equity swap contracts, which do not qualify for hedge accounting, gains and losses are recorded immediately in Selling, general and administrative expenses within the Consolidated Statements of Operations. Gains and losses pertaining to instruments designated as net investment hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income. Components excluded from the assessment of hedge ineffectiveness in net investment hedges are included in Accumulated other comprehensive income at their initial value and amortized into Interest expense, net on a straight-line basis. Gains and losses pertaining to instruments designated as cash flow hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income.
Fair Value Measurements	Fair Value Measurements: The Company holds certain fixed income securities, equity securities and derivatives, which are recognized and disclosed at fair value in the financial statements. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants as of the measurement date and is measured using the fair value hierarchy. This hierarchy prescribes valuation techniques based on whether the inputs to each measurement are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the Company's assumptions about current market conditions. The prescribed fair value hierarchy and related valuation methodologies are as follows: Level 1 — Quoted prices for identical instruments in active markets. Level 2 — Quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-derived valuations, in which all significant inputs are observable, in active markets. Level 3 — Valuations derived from valuation techniques, in which one or more significant inputs are unobservable.
Earnings Per Share	Earnings Per Share: The Company calculates its basic earnings per share based on the weighted-average number of common shares issued and outstanding. Net earnings attributable to Motorola Solutions, Inc. is divided by the weighted average common shares outstanding during the period to arrive at the basic earnings per share. Diluted earnings per share is calculated by dividing net earnings attributable to Motorola Solutions, by the sum of the weighted-average number of common shares used in the basic earnings per share calculation and the weighted-average number of common shares that would be issued assuming exercise or conversion of all potentially dilutive securities, excluding those securities that would be anti-dilutive to the earnings per share calculation. Both basic and diluted earnings per share amounts are calculated for net earnings attributable to Motorola Solutions for all periods presented.
Share-Based Compensation Costs	Share-Based Compensation Costs: The Company grants share-based compensation awards and offers an employee stock purchase plan. The amount of compensation cost for these share-based awards is generally measured based on the fair value of the awards as of the date that the share-based awards are issued and adjusted to the estimated number of awards that are expected to vest. The fair values of stock options and stock appreciation rights are generally determined using a Black-Scholes option pricing model which incorporates assumptions about expected volatility, risk-free rate, dividend yield, and expected life. Performance-based stock options, performance stock units, and market stock units vest based on market conditions and are therefore measured under a Monte Carlo simulation in order to simulate a range of possible future unit prices for Motorola Solutions over the performance period. Compensation cost for share-based awards is recognized on a straight-line basis over the vesting period.
Defined Benefit Plans	Defined Benefit Plans: The Company records annual expenses relating to its defined benefit plans based on calculations which include various actuarial assumptions, including discount rates, assumed asset rates of return, compensation increases, and turnover rates. The Company reviews its actuarial assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends. Under relevant accounting rules, when almost all of the plan participants are considered inactive, the amortization period for certain unrecognized gains and losses changes from the average remaining service period to the average remaining lifetime of the participants. As such, depending on the specific plan, the Company amortizes gains and losses over periods ranging from eight to twenty-five years. Prior service costs will be amortized over periods ranging from one to fifteen years. Benefits under all pension plans are valued based on the projected unit credit cost method. The Company utilizes a five-year, market-related asset value method of recognizing asset related gains and losses. The benefit obligation and plan assets for the Company's defined benefit plans are presented on a net basis according to the plans' net funded status and measured as of December 31, 2024.
Recent and Recently Adopted Accounting Pronouncements	Recent Accounting Pronouncements: In November 2024, the Financial Accounting Standards Board ("FASB") issued Accounting Standard Update ("ASU") No. 2024-03, "Disaggregation of Income Statement Expenses" (DISE), to enhance disclosures relating to key income statement expense topics. The ASU is effective for fiscal years beginning after December 15, 2026 and interim periods beginning in 2028, with early adoption permitted. The Company is still evaluating the complete impact of the adoption of this ASU on its disclosures. In December 2023, the FASB issued ASU No. 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which expands disclosures in an entity's income tax rate reconciliation table and disclosures regarding cash taxes paid both in the U.S. and foreign jurisdictions. This ASU is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company anticipates that it will have additional disclosures regarding cash taxes and the income tax rate reconciliation once it adopts this ASU. Recently Adopted Accounting Pronouncements: In November 2023, the FASB issued ASU No. 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," to update reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The Company adopted ASU No. 2023-07 for the year ended December 31, 2024 and applied the required retrospective transition method. Refer to "Note 13: Information by Segment and Geographic Region" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for the related disclosures.

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Revenue from Contracts with Customers (Tables)
Revenue from Contract with Customer [Abstract]
Disaggregation of Revenue

12 Months Ended
Dec. 31, 2024

The following table summarizes the disaggregation of our revenue by segment, geography, major product and service type and customer type for the years ended December 31, 2024, 2023 and 2022, consistent with the information reviewed by our chief operating decision maker, the chief executive officer, for evaluating the financial performance of reportable segments:

	2024			2023			2022		
	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total
(in millions)									
Regions									
North America	\$ 5,097	\$ 2,723	\$ 7,820	\$ 4,507	\$ 2,425	\$ 6,932	\$ 4,286	\$ 2,088	\$ 6,374
International	1,786	1,211	2,997	1,735	1,311	3,046	1,442	1,296	2,738
	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112
Major Products and Services									
LMR Communications	\$ 5,739	\$ 2,361	\$ 8,100	\$ 5,127	\$ 2,399	\$ 7,526	\$ 4,713	\$ 2,274	\$ 6,987
Video	1,144	776	1,920	1,115	611	1,726	1,015	508	1,523
Command Center	—	797	797	—	726	726	—	602	602
	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112
Customer Type									
Direct	\$ 4,238	\$ 3,586	\$ 7,824	\$ 3,619	\$ 3,396	\$ 7,015	\$ 3,368	\$ 3,057	\$ 6,425
Indirect	2,645	348	2,993	2,623	340	2,963	2,360	327	2,687
	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112

Contract Balances

December 31 (in millions)	2024	2023	2022
Accounts receivable, net	\$	1,952	\$ 1,710
Contract assets		1,230	1,102
Contract liabilities		2,072	2,037
Non-current contract liabilities		496	424

Contract Cost Balances

December 31 (in millions)	2024	2023	2022
Current contract cost assets	\$	70	\$ 56
Non-current contract cost assets		141	119

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Leases (Tables)

12 Months Ended
Dec. 31, 2024

Leases [Abstract]

Component of Lease Expense and Other Information Components of Lease Expense

(in millions)	December 31, 2024	December 31, 2023	December 31, 2022
Lease expense:			
Operating lease cost	\$ 140	\$ 140	\$ 130
Short-term lease cost	1	1	1
Variable cost	47	36	33
Sublease income	(5)	(5)	(5)
Net lease expense from operating leases	\$ 183	\$ 172	\$ 159
Other Information Related to Leases			
(in millions)	December 31, 2024	December 31, 2023	December 31, 2022
Supplemental cash flow information:			
Net cash used for operating activities related to operating leases	\$ 152	\$ 147	\$ 145
Right-of-use assets obtained in exchange for lease liabilities	\$ 150	\$ 98	\$ 221
	December 31, 2024	December 31, 2023	
Weighted average remaining lease terms (years)		5	5
Weighted average discount rate		3.97 %	4.34 %

Assets And Liabilities, Lessee

(in millions)	Statement Line Classification	December 31, 2024	December 31, 2023
Right-of-use lease assets	Operating lease assets	\$ 529	\$ 495
Current lease liabilities	Accrued liabilities	127	125
Operating lease liabilities	Operating lease liabilities	427	407

Future Lease Payments, Finance

December 31 (in millions)	Amount
2025	\$ 146
2026	128
2027	109
2028	84
2029	63
Thereafter	83
Total lease payments	\$ 613
Less: Interest	59
Present value of operating lease liabilities	\$ 554

Future Lease Payments, Operating

December 31 (in millions)	Amount
2025	\$ 146
2026	128
2027	109
2028	84
2029	63
Thereafter	83
Total lease payments	\$ 613
Less: Interest	59
Present value of operating lease liabilities	\$ 554

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Other Financial Data
(Tables)

12 Months Ended
Dec. 31, 2024

Organization, Consolidation and Presentation of Financial Statements [Abstract]

Other Charges (Income)

Other charges (income) included in Operating earnings consist of the following:			
Years ended December 31 (in millions)	2024	2023	2022
Other charges (income):			
Intangibles amortization (Note 15)	\$ 152	\$ 177	\$ 257
Reorganization of businesses (Note 14)	26	22	18
Legal settlements	7	4	23
Fixed asset impairments	2	3	12
Environmental reserve expense	2	15	—
Exit of video manufacturing operations	—	24	—
Operating lease asset impairments	6	6	24
Acquisition-related transaction fees	20	7	23
Gain on Hytera litigation	(61)	—	(15)
Other	1	(1)	(3)
	\$ 155	\$ 257	\$ 339

Other Income (Expense)

Interest expense, net, and Other both included in Other income (expense) consist of the following:			
Years ended December 31 (in millions)	2024	2023	2022
Interest expense, net:			
Interest expense	\$ (295)	\$ (249)	\$ (240)
Interest income	68	33	14
	\$ (227)	\$ (216)	\$ (226)
Other, net:			
Net periodic pension and postretirement benefit (Note 8)	\$ 132	\$ 99	\$ 123
Loss from the extinguishment of long-term debt (Note 5)	(585)	—	(6)
Investment impairments	(3)	(16)	(1)
Foreign currency gain (loss)	2	(53)	37
Gain (loss) on derivative instruments (Note 6)	(19)	20	(61)
Loss on equity method investments	—	—	(3)
Fair value adjustments to equity investments	(5)	13	(30)
Gain on TETRA Ireland equity method investment	—	—	21
Assessments on uncertain tax positions (Note 7)	(11)	—	—
Other	—	5	(3)
	\$ (489)	\$ 68	\$ 77

Earnings Per Common Share

Basic and diluted earnings per common share from net earnings attributable to Motorola Solutions, Inc. are computed as follows:

Years ended December 31	Amounts attributable to Motorola Solutions, Inc. common stockholders		
	Net Earnings		
	2024	2023	2022
Basic earnings per common share:			
Earnings	\$ 1,577	\$ 1,709	\$ 1,363
Weighted average common shares outstanding	166.8	167.0	167.5
Per share amount	\$ 9.45	\$ 10.23	\$ 8.14
Diluted earnings per common share:			
Earnings	\$ 1,577	\$ 1,709	\$ 1,363
Weighted average common shares outstanding	166.8	167.0	167.5
Add effect of dilutive securities:			
Share-based awards	4.0	3.7	3.7
1.75% senior convertible notes	—	1.5	0.7
Diluted weighted average common shares outstanding	170.8	172.1	171.9
Per share amount	\$ 9.23	\$ 9.93	\$ 7.93

Accounts Receivable, Net

Accounts receivable, net, consists of the following:			
December 31	2024	2023	
Accounts receivable	\$ 2,035	\$ 1,779	
Less allowance for credit losses	(83)	(69)	
	\$ 1,952	\$ 1,710	

Inventories, Net

Inventories, net, consist of the following:			
December 31	2024	2023	
Finished goods	\$ 396	\$ 328	
Work-in-process and production materials	498	640	
	894	968	
Less inventory reserves	(128)	(141)	
	\$ 766	\$ 827	

Other Current Assets

Other current assets consist of the following:			
December 31	2024	2023	
Current contract cost assets (Note 2)	\$ 70	\$ 56	
Contractor receivables	44	40	
Tax-related deposits (Note 7)	54	32	
Other	261	229	
	\$ 429	\$ 357	

Property, Plant And Equipment, Net

Property, plant and equipment, net, consist of the following:			
December 31	2024	2023	
Land	\$ 5	\$ 5	
Leasehold improvements	441	448	
Machinery and equipment	2,243	2,396	
	2,689	2,849	
Less accumulated depreciation	(1,667)	(1,885)	
	\$ 1,022	\$ 964	

Investments

Investments consist of the following:			
December 31	2024	2023	
Common stock	\$ 23	\$ 28	
Strategic investments, at cost	26	28	
Company-owned life insurance policies	75	74	
Equity method investments	11	13	
	\$ 135	\$ 143	

Other Assets

Other assets consist of the following:			
December 31	2024	2023	
Defined benefit plan assets (Note 8)	\$ 162	\$ 98	
Non-current contract cost assets (Note 2)	141	119	
Other	72	57	
	\$ 375	\$ 274	

Accrued Liabilities

Accrued liabilities consist of the following:			
December 31	2024	2023	
Compensation	\$ 406	\$ 407	
Tax liabilities (Note 7)	217	231	
Dividend payable	182	163	
Trade liabilities	160	140	
Operating lease liabilities (Note 3)	127	125	
Customer reserves	97	89	
Other	454	349	
	\$ 1,643	\$ 1,504	

Other Liabilities

Other liabilities consist of the following:			
December 31	2024	2023	
Defined benefit plans (Note 8)	\$ 768	\$ 939	
Non-current contract liabilities (Note 2)	496	424	
Unrecognized tax benefits (Note 7)	39	26	
Deferred income taxes (Note 7)	87	55	
Environmental Reserve	119	119	
Deferred compensation	89	70	
Other	121	108	
	\$ 1,719	\$ 1,741	

Schedule of Share Repurchase Program

The Company's share repurchases for 2024, 2023, and 2022 can be summarized as follows:				
Year	Shares Repurchased (in millions)	Average Price	Amount (in millions)	
2024	0.6	\$ 396.69	\$	244
2023	2.9	278.56		804
2022	3.7	225.00		836

Changes in Accumulated Other Comprehensive Loss

The following table displays the changes in Accumulated other comprehensive loss, including amounts reclassified into income, and the affected line items in the Consolidated Statements of Operations during the years ended December 31, 2024, 2023, and 2022:			
	Years ended December 31		
	2024	2023	2022
Foreign Currency Translation Adjustments:			
Balance at beginning of period	\$ (482)	\$ (539)	\$ (384)
Other comprehensive income (loss) before reclassification adjustment	(66)	61	(156)
Tax benefit (expense)	2	(4)	1
Other comprehensive income (loss), net of tax	(64)	57	(155)
Balance at end of period	\$ (546)	\$ (482)	\$ (539)
Derivative Instruments:			
Balance at beginning of period	\$ (12)	\$ —	\$ —
Other comprehensive income (loss) before reclassification adjustment	4	(12)	—
Reclassification adjustment into Interest expense, net	1	—	—
Other comprehensive income (loss), net of tax	5	(12)	—
Balance at end of period	\$ (7)	\$ (12)	\$ —
Defined Benefit Plans:			
Balance at beginning of period	\$ (2,046)	\$ (1,996)	\$ (1,995)
Other comprehensive income (loss) before reclassification adjustment	44	(130)	(76)
Tax benefit (expense)	(9)	34	18
Other comprehensive income (loss) before reclassification adjustment, net of tax	35	(96)	(58)
Reclassification adjustment - Actuarial net losses into Other income (expense)	34	61	80
Reclassification adjustment - Prior service benefits into Other income (expense)	—	1	(2)
Tax expense	(9)	(16)	(21)
Reclassification adjustments into Net earnings, net of tax	25	46	57
Other comprehensive income (loss), net of tax	60	(50)	(1)
Balance at end of period	\$ (1,986)	\$ (2,046)	\$ (1,996)
Total Accumulated other comprehensive loss	\$ (2,539)	\$ (2,540)	\$ (2,535)

Supplier Finance Program

The following table displays a rollforward of the confirmed amount of supplier finance obligations from January 1, 2023 to December 31, 2024:			
(in millions)	2024	2023	
Confirmed obligations at the beginning of the year	\$ 35	\$ 37	
Invoices confirmed during the year	139	114	
Confirmed invoices paid during the year	(136)	(116)	
Confirmed obligations outstanding at the end of the year	\$ 38	\$ 35	

December 31	2024	2023
4.0% senior notes due 2024	\$ —	\$ 313
1.75% senior convertible notes due 2024	—	1,000
7.5% debentures due 2025	252	252
6.5% debentures due 2025	70	70
4.8% senior notes due 2028	696	695
6.5% debentures due 2028	24	25
5.0% senior notes due 2029	396	—
4.6% senior notes due 2029	802	802
2.3% senior notes due 2030	895	894
2.75% senior notes due 2031	846	845
5.6% senior notes due 2032	596	595
5.4% senior notes due 2034	893	—
6.625% senior notes due 2037	38	38
5.5% senior notes due 2044	397	397
5.22% debentures due 2097	93	93
	5,998	6,019
Adjustments for unamortized gains on interest rate swap terminations	(1)	(1)
Less: current portion	(322)	(1,313)
Long-term debt	\$ 5,675	\$ 4,705

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Risk Management (Tables)

Derivative Instruments and Hedging Activities Disclosure [Abstract] Schedule of Largest Notional Amounts of the Positions to Buy or Sell Foreign Currency

12 Months Ended Dec. 31, 2024

The following table shows the Company's five largest net notional amounts of the positions to buy or sell foreign currency as of December 31, 2024 and the corresponding positions as of December 31, 2023:

Net Buy (Sell) by Currency	Notional Amount	
	2024	2023
Euro	\$ 150	\$ 322
Australian dollar	(136)	(140)
British pound	124	252
Canadian dollar	70	76
Chinese renminbi	(48)	(66)

The following tables summarize the fair values and location in the Consolidated Balance Sheet of all derivative financial instruments held by the Company at December 31, 2024 and 2023:

December 31, 2024	Fair Values of Derivative Instruments	
	Other Current Assets	Accrued Liabilities
Derivatives designated as hedging instruments:		
Foreign exchange contracts	\$ 7	\$ —
Derivatives not designated as hedging instruments:		
Foreign exchange contracts	\$ 3	\$ 9
Equity swap contracts	\$ —	\$ 1
Total derivatives	\$ 10	\$ 10

December 31, 2023	Fair Values of Derivative Instruments	
	Other Current Assets	Accrued Liabilities
Derivatives designated as hedging instruments:		
Foreign exchange contracts	\$ 1	\$ 3
Treasury rate lock	—	12
Derivatives not designated as hedging instruments:		
Foreign exchange contracts	12	1
Equity swap contracts	1	—
Total derivatives	\$ 14	\$ 16

The following table summarizes the effect of derivatives on the Company's consolidated financial statements for the years ended December 31, 2024, 2023 and 2022:

Financial Statement Location		2024	2023	2022
Derivatives designated as hedging instruments:				
Foreign exchange contracts	Accumulated other comprehensive income (loss)	\$ 9	\$ (4)	\$ 12
Forward points recognized	Other income (expense)	2	3	2
Treasury rate lock settlement	Accumulated other comprehensive income (loss)	4	(12)	—
Amortization of treasury rate lock	Other income (expense)	(1)	—	—
Derivatives not designated as hedging instruments:				
Foreign exchange contracts	Other income (expense)	\$ (19)	\$ 20	\$ (61)
Selling, general and administrative expenses		3	1	—
Equity swap contracts				

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Income Taxes (Tables)

Income Tax Disclosure [Abstract] Earnings from Continuing Operations Before Income Taxes

12 Months Ended Dec. 31, 2024

Components of earnings before income taxes are as follows:

Years ended December 31	2024	2023	2022
United States	\$ 1,705	1,744	1,312
Other nations	267	402	203
	\$ 1,972	2,146	1,515

Components of income tax expense are as follows:

Years ended December 31	2024	2023	2022
United States Federal	\$ 434	\$ 269	\$ 240
Other nations	38	125	159
States (U.S.)	133	70	83
Current income tax expense	605	464	482
United States Federal	(221)	(30)	(179)
Other nations	40	(9)	(118)
States (U.S.)	(34)	7	(37)
Deferred income tax benefit	(215)	(32)	(334)
Total income tax expense	\$ 390	\$ 432	\$ 148

Federal Statutory Tax Rate and Income Tax Expense

Differences between income tax expense computed at the U.S. federal statutory tax rate of 21% and income tax expense as reflected in the Consolidated Statements of Operations are as follows:

Years ended December 31	2024	2023	2022
Income tax expense at statutory rate	\$ 414	\$ 450	\$ 318
State income taxes, net of federal benefit	66	71	76
Non-U.S. tax expense on non-U.S. earnings	24	15	1
U.S. tax expense (benefit) on undistributed non-U.S. earnings	(27)	(44)	(43)
IP reorganization	(171)	—	(77)
Extinguishment of Silver Lake convertible debt	148	—	—
Stock compensation	(45)	(33)	(68)
Valuation allowances	5	(13)	(51)
Research credits	(24)	(19)	(16)
Reserve for uncertain tax positions	(6)	(3)	(6)
Other tax expense (benefit)	6	8	14
	\$ 390	\$ 432	\$ 148

Significant components of deferred tax assets (liabilities) are as follows:

December 31	2024	2023
Inventory	\$ 30	\$ 30
Accrued liabilities and allowances	87	77
Employee benefits	221	270
Capitalized items	391	146
Tax basis differences on investments	2	4
Depreciation tax basis differences on fixed assets	(31)	(2)
Undistributed non-U.S. earnings	(23)	(28)
Tax attribute carryforwards	98	115
Business reorganization	7	9
Warranty and customer liabilities	24	22
Deferred revenue and costs	420	406
Valuation allowances	(62)	(63)
Operating lease assets	(128)	(120)
Operating lease liabilities	134	129
Other	24	10
	\$ 1,194	\$ 1,005

Summary of Tax Credit Carryforwards

Tax attribute carryforwards are as follows:

December 31, 2024	Gross Tax Loss	Tax Effectd	Expiration Period
United States:			
U.S. tax losses	\$ 127	\$ 27	2025-2037
General business credits	—	1	2030-2036
State tax losses	—	8	2027-2044
State tax credits	—	3	2025-2043
Non-U.S. subsidiaries:			
United Kingdom tax losses	143	36	Unlimited
Canada tax losses	17	5	2034-2044
Canada tax credits	—	5	2038-2044
Other subsidiaries tax losses	66	13	Various
	\$	98	

Unrecognized Tax Benefits, Including Those Attributable to Discontinued Operations

A roll-forward of unrecognized tax benefits is as follows:

(in millions)	2024	2023
Balance at January 1	\$ 32	\$ 35
Additions based on tax positions related to current year	1	1
Additions for tax positions of prior years	18	—
Reductions for tax positions of prior years	(1)	(1)
Settlements and agreements	(5)	—
Lapse of statute of limitations	(3)	(4)
Balance at December 31	\$ 42	\$ 32

Summary of Open Tax Years by Major Jurisdiction

A summary of open tax years by major jurisdiction is presented below:

Jurisdiction	Tax Years
United States	2021-2024
Australia	2020-2024
Canada	2020-2024
Germany	2018-2024
India	1997-2024
Israel	2019-2024
Poland	2019-2024
Malaysia	2017-2024
United Kingdom	2022-2024

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Retirement Benefits
(Tables)

Retirement Benefits [Abstract]
Schedule of Net Benefit Plan Costs

12 Months Ended
Dec. 31, 2024

The net periodic cost (benefit) for pension and Postretirement Health Care Benefits plans was as follows:

Years ended December 31	U.S. Pension Benefit Plans			Non-U.S. Pension Benefit Plans			Postretirement Health Care Benefits Plan		
	2024	2023	2022	2024	2023	2022	2024	2023	2022
Service cost	\$ —	\$ —	\$ —	\$ 1	\$ 1	\$ 1	\$ —	\$ —	\$ —
Interest cost	189	190	128	57	56	29	4	5	2
Expected return on plan assets	(298)	(293)	(254)	(104)	(108)	(93)	(13)	(13)	(12)
Amortization of:									
Unrecognized net loss	25	22	62	6	37	14	3	2	4
Unrecognized prior service benefit	—	—	—	(3)	(2)	(2)	3	3	—
Net periodic cost (benefit)	\$ (84)	\$ (81)	\$ (64)	\$ (43)	\$ (16)	\$ (51)	\$ (3)	\$ (3)	\$ (6)

Status Of The Company Plans

The status of the Company's plans is as follows:

	U.S. Pension Benefit Plans			Non-U.S. Pension Benefit Plans			Postretirement Health Care Benefits Plan		
	2024	2023		2024	2023		2024	2023	
Change in benefit obligation:									
Benefit obligation at January 1	\$ 3,928	\$ 3,809		\$ 1,347	\$ 1,207		\$ 96	\$ 103	
Service cost	—	—		1	1		—	—	
Interest cost	189	190		57	56		4	5	
Plan amendments	—	—		—	—		—	—	
Actuarial loss (gain)	(220)	59		(156)	62		17	—	
Foreign exchange valuation adjustment	—	—		(32)	66		—	—	
Benefit payments	(142)	(130)		(54)	(45)		(12)	(14)	
Benefit obligation at December 31	\$ 3,755	\$ 3,928		\$ 1,163	\$ 1,347		\$ 105	\$ 96	
Change in plan assets:									
Fair value at January 1	\$ 3,273	\$ 3,076		\$ 1,172	\$ 1,092		\$ 134	\$ 134	
Return on plan assets	112	324		(23)	56		6	14	
Company contributions	6	3		9	9		—	—	
Foreign exchange valuation adjustment	—	—		(21)	60		—	—	
Benefit payments	(142)	(130)		(54)	(45)		(12)	(14)	
Fair value at December 31	\$ 3,249	\$ 3,273		\$ 1,083	\$ 1,172		\$ 128	\$ 134	
Funded status of the plan	\$ (506)	\$ (655)		\$ (80)	\$ (175)		\$ 23	\$ 38	
Unrecognized net loss	1,635	1,695		796	829		88	68	
Unrecognized prior service benefit (cost)	—	—		(64)	(67)		41	44	
Prepaid pension cost	\$ 1,129	\$ 1,040		\$ 652	\$ 587		\$ 152	\$ 150	
Components of prepaid (accrued) pension cost:									
Current benefit liability	\$ (3)	\$ (2)		\$ —	\$ —		\$ —	\$ —	
Non-current benefit liability	(503)	(653)		(194)	(210)		—	—	
Non-current benefit asset	—	—		114	35		23	38	
Deferred income taxes	388	403		95	102		35	31	
Accumulated other comprehensive loss	1,247	1,292		637	660		94	81	
Prepaid pension cost	\$ 1,129	\$ 1,040		\$ 652	\$ 587		\$ 152	\$ 150	

Weighted Average Actuarial Assumptions Used To Determine Costs For The Plans

Weighted average actuarial assumptions used to determine costs for the plans at the beginning of the fiscal year were as follows:

	U.S. Pension Benefit Plans		Non-U.S. Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023	2024	2023
Discount rate	4.90 %	5.09 %	4.27 %	4.68 %	4.89 %	5.05 %
Investment return assumption	7.74 %	7.87 %	5.84 %	6.18 %	8.30 %	8.00 %

Weighted Average Actuarial Assumptions Used To Determine Benefit Obligations For The Plans

Weighted average actuarial assumptions used to determine benefit obligations for the plans were as follows:

	U.S. Pension Benefit Plans		Non-U.S. Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023	2024	2023
Discount rate	5.70 %	5.01 %	5.07 %	4.30 %	5.49 %	4.92 %
Future compensation increase rate	n/a	n/a	0.67 %	0.67 %	n/a	n/a

Accumulated Benefit Obligations For The Plans

The following table presents the accumulated benefit obligation, projected benefit obligation and fair value of plan assets for our plans that have an accumulated benefit obligation and projected benefit obligation in excess of plan assets:

December 31	U.S. Pension Benefit Plans		Non U.S. Pension Benefit Plans	
	2024	2023	2024	2023
Accumulated benefit obligation	\$ 3,755	\$ 3,928	\$ 1,162	\$ 1,346
Projected benefit obligation	3,755	3,928	1,163	1,347
Fair value of plan assets	3,249	3,273	1,083	1,172

Projected Benefit Obligations For The Plans

The following table presents the accumulated benefit obligation, projected benefit obligation and fair value of plan assets for our plans that have an accumulated benefit obligation and projected benefit obligation in excess of plan assets:

December 31	U.S. Pension Benefit Plans		Non U.S. Pension Benefit Plans	
	2024	2023	2024	2023
Accumulated benefit obligation	\$ 3,755	\$ 3,928	\$ 1,162	\$ 1,346
Projected benefit obligation	3,755	3,928	1,163	1,347
Fair value of plan assets	3,249	3,273	1,083	1,172

Plan Target and Actual Asset Allocation

The weighted-average asset allocations by asset categories for all pension plans and the Postretirement Health Care Benefits Plan were as follows:

December 31	All Pension Benefit Plans		Postretirement Health Care Benefits Plan	
	2024	2023	2024	2023
Target Mix:				
Equity securities	23 %	26 %	25 %	28 %
Fixed income securities	61 %	56 %	57 %	51 %
Cash and other investments	16 %	18 %	18 %	21 %
Actual Mix:				
Equity securities	22 %	26 %	24 %	28 %
Fixed income securities	60 %	56 %	56 %	52 %
Cash and other investments	18 %	18 %	20 %	20 %

Expected Future Service Benefits Payments

The following benefit payments are expected to be paid:

Year	U.S. Pension Benefit Plans	Non-U.S. Pension Benefit Plans	Postretirement Health Care Benefits Plan
2025	\$ 172	\$ 54	\$ 14
2026	189	55	14
2027	206	57	13
2028	224	58	12
2029	241	59	11
2030-2034	1,365	306	41

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Share-Based Compensation and Other Incentive Plans (Tables)

[Share-Based Payment Arrangement \[Abstract\]](#)

[Value of Stock Option Weighted-Average Assumptions](#)

12 Months Ended
Dec. 31, 2024

The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was \$92.20, \$73.04 and \$67.18, respectively, using the following weighted-average assumptions:

	2024	2023	2022
Expected volatility	21.4 %	24.4 %	29.2 %
Risk-free interest rate	4.3 %	4.2 %	2.5 %
Dividend yield	1.4 %	1.6 %	1.9 %
Expected life (years)	5.9	5.9	6.6

[Valuation Assumptions for Performance Options, Market Stock Units, and PCSOs](#)

The following assumptions were used for the calculations.

	2024 Performance Options	2023 Performance Options	2022 Performance Options
Expected volatility of common stock	21.7 %	25.1 %	29.7 %
Expected volatility of the S&P 500	30.5 %	33.3 %	39.2 %
Risk-free interest rate	4.3 %	4.1 %	2.0 %
Dividend yield	1.4 %	1.7 %	2.0 %
Expected life (years)	6.5	6.5	6.5

	2024 Market Stock Unit	2023 Market Stock Unit	2022 Market Stock Units
Expected volatility of common stock	21.7 %	25.1 %	29.7 %
Risk-free interest rate	4.4 %	4.5 %	1.9 %
Dividend yield	1.3 %	1.5 %	1.6 %

	2024 Performance Stock Units	2023 Performance Stock Units	2022 Performance Stock Units
Expected volatility of common stock	21.7 %	25.1 %	29.7 %
Expected volatility of the S&P 500	30.8 %	33.3 %	39.2 %
Risk-free interest rate	4.3 %	4.6 %	1.8 %
Dividend yield	1.1 %	1.4 %	1.6 %

The following table summarizes information about the total stock options outstanding and exercisable under all stock option plans, at December 31, 2024 (in thousands, except exercise price and years):

Exercise price range	Options Outstanding			Options Exercisable		
	No. of options	Wtd. avg. Exercise Price	Wtd. avg. contractual life (in yrs.)	No. of options	Wtd. avg. Exercise Price	Wtd. avg. contractual life (in yrs.)
\$1-\$100	713	\$ 77	2	713	\$ 77	2
\$101-\$200	866	148	5	866	148	5
\$201-\$300	430	244	8	90	239	7
\$301-\$400	200	342	9	5	334	9
\$401 and over	13	482	9	—	—	8
	2,222			1,674		

[Schedule of Share-based Compensation, Activity](#)

Total share-based compensation activity was as follows (in thousands, except exercise price):

	Stock Options		Restricted Stock Units		Restricted Stock	
	No. of Options Outstanding	Wtd. Avg. Exercise Price of Shares	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value
Balance as of January 1, 2024	566	\$ 191	1,342	\$ 224	85	\$ 244
Granted	106	360	582	340	65	397
Releases/Exercised	(175)	175	(601)	225	(85)	244
Forfeited/Canceled	(6)	314	(48)	268	—	—
Balance as of December 31, 2024	491	\$ 230	1,275	\$ 275	65	\$ 397
Awards exercisable	275	174	—	—	—	—

	Performance Options		Market Stock Units		Performance Stock Units	
	No. of Options Outstanding	Wtd. Avg. Exercise Price of Shares	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value	No. of Non-Vested Awards	Wtd. Avg. Grant Date Fair Value
Balance as of January 1, 2024	1,798	\$ 122	89	\$ 254	213	\$ 264
Granted	104	343	37	397	132	514
Releases/Exercised	(316)	101	(69)	230	(147)	335
Adjustment for payout factor	147	179	23	179	74	321
Forfeited/Canceled	(2)	179	(1)	185	(8)	316
Balance as of December 31, 2024	1,731	\$ 144	79	\$ 331	264	\$ 407
Awards exercisable	1,399	113	—	—	—	—

[Schedule of Compensation Expense](#)

Compensation expense for the Company’s share-based compensation plans was as follows:

Years ended December 31	2024	2023	2022
Share-based compensation expense included in:			
Costs of sales	\$ 48	\$ 40	\$ 28
Selling, general and administrative expenses	132	116	98
Research and development expenditures	63	56	46
Share-based compensation expense included in Operating earnings	243	212	172
Tax benefit	51	43	34
Share-based compensation expense, net of tax	\$ 192	\$ 169	\$ 138
Decrease in basic earnings per share	\$ (1.15)	\$ (1.01)	\$ (0.82)
Decrease in diluted earnings per share	\$ (1.12)	\$ (0.98)	\$ (0.80)

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Fair Value Measurements (Tables)

[Fair Value Disclosures \[Abstract\]](#)

[Fair Value of Assets and Liabilities](#)

12 Months Ended
Dec. 31, 2024

The fair values of the Company’s financial assets and liabilities by level in the fair value hierarchy as of December 31, 2024 and December 31, 2023 were as follows:

December 31, 2024	Level 1	Level 2	Total
Assets:			
Foreign exchange derivative contracts	\$ —	\$ 10	\$ 10
Common stock and equivalents	23	—	23
Liabilities:			
Foreign exchange derivative contracts	\$ —	\$ 9	\$ 9
Equity swap contracts	1	—	1
December 31, 2023	Level 1	Level 2	Total
Assets:			
Foreign exchange derivative contracts	\$ —	\$ 13	\$ 13
Equity swap contracts	1	—	1
Common stock and equivalents	28	—	28
Liabilities:			
Foreign exchange derivative contracts	\$ —	\$ 4	\$ 4
Treasury rate lock	—	12	12

[Pension and Postretirement Health Care Plan Assets](#)

The fair values of the various pension and postretirement health care benefits plans’ assets by level in the fair value hierarchy as of December 31, 2024 and 2023 were as follows:

U.S. Pension Benefit Plans

December 31, 2024	Level 1	Level 2	Level 3	Total
Equities	\$ 23	\$ —	\$ —	\$ 23
Commingled funds	1,039	404	—	1,443
Government fixed income securities	—	239	—	239
Corporate fixed income securities	—	905	—	905
Short-term investment funds	258	—	—	258
Private assets	—	—	203	203
Total investment securities	\$ 1,320	\$ 1,548	\$ 203	\$ 3,071
Accrued income receivable	—	—	—	162
Cash	—	—	—	16
Fair value plan assets				\$ 3,249

The following table summarizes the changes in fair value of the Level 3 assets:

2024				
Fair value at January 1, 2024				\$ 157
Actual return on plan assets				22
Purchases				24
Fair value at December 31, 2024				\$ 203

December 31, 2023	Level 1	Level 2	Level 3	Total
Equities	\$ 27	\$ —	\$ —	\$ 27
Commingled funds	1,230	479	—	1,709
Government fixed income securities	—	192	—	192
Corporate fixed income securities	—	894	—	894
Short-term investment funds	253	—	—	253
Private Assets	—	—	157	157
Total investment securities	\$ 1,510	\$ 1,565	\$ 157	\$ 3,232
Accrued income receivable				23
Cash				18
Fair value plan assets				\$ 3,273

Non-U.S. Pension Benefit Plans

December 31, 2024	Level 1	Level 2	Total
Equities	\$ 53	\$ —	\$ 53
Commingled funds	236	35	271
Government fixed income securities	—	615	615
Short-term investment funds	56	—	56
Total investment securities	\$ 345	\$ 650	\$ 995
Cash			4
Accrued income receivable			42
Insurance contracts			42
Fair value plan assets			\$ 1,083

December 31, 2023	Level 1	Level 2	Total
Equities	\$ 60	\$ —	\$ 60
Commingled funds	289	32	321
Government fixed income securities	—	663	663
Short-term investment funds	60	—	60
Total investment securities	\$ 409	\$ 695	\$ 1,104
Cash			5
Accrued income receivable			16
Insurance contracts			47
Fair value plan assets			\$ 1,172

Postretirement Health Care Benefits Plan

December 31, 2024	Level 1	Level 2	Level 3	Total
Equities	\$ 1	\$ —	\$ —	\$ 1
Commingled funds	40	16	—	56
Government fixed income securities	—	10	—	10
Corporate fixed income securities	—	37	—	37
Short-term investment funds	10	—	—	10
Private funds	—	—	8	8
Total investment securities	\$ 51	\$ 63	\$ 8	\$ 122
Accrued income receivable				6
Fair value plan assets				\$ 128

The following table summarizes the changes in fair value of the Level 3 assets:

2024				
Fair value at January 1, 2024				\$ 7
Purchases				1
Fair value at December 31, 2024				\$ 8

December 31, 2023	Level 1	Level 2	Level 3	Total
Equities	\$ 1	\$ —	\$ —	\$ 1
Commingled funds	49	20	—	69
Government fixed income securities	—	8	—	8
Corporate fixed income securities	—	38	—	38
Short-term investment funds	10	—	—	10
Private funds	—	—	7	7
Total investment securities	\$ 60	\$ 66	\$ 7	\$ 133
Accrued income receivable				1
Fair value plan assets				\$ 134

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Long-term Financing
and Sales of
Receivables (Tables)
[Receivables \[Abstract\]](#)
[Long-Term Financing](#)

12 Months Ended
Dec. 31, 2024

Long-term receivables consist of receivables with payment terms greater than twelve months, long-term loans and lease receivables under sales-type leases. Long-term receivables consist of the following:

December 31	2024	2023
Long-term receivables, gross	\$ 65	\$ 36
Less allowance for losses	(2)	(2)
Long-term receivables	\$ 63	\$ 34
Less current portion	(22)	(13)
Non-current long-term receivables	\$ 41	\$ 21

[Proceeds Received from Non-Recourse Sales of Accounts Receivable And Long-Term Receivables](#)

The following table summarizes the proceeds received from sales of accounts receivable and long-term receivables for the years ended December 31, 2024, 2023 and 2022.

Years ended December 31	2024	2023	2022
Contract-specific discounting facility	\$ —	\$ —	\$ 49
Accounts receivable sales proceeds	15	96	179
Long-term receivables sales proceeds	205	182	204
Total proceeds from receivable sales	\$ 220	\$ 278	\$ 432

[Financing Receivables Aging Analysis](#)

An aging analysis of financing receivables at December 31, 2024 and December 31, 2023 is as follows:

December 31, 2024	Total Long-term Receivable	Current Billed Due	Past Due Under 90 Days	Past Due Over 90 Days
Municipal leases secured tax exempt	\$ 31	\$ 2	\$ 1	\$ 1
Commercial loans and leases secured	34	3	—	1
Long-term receivables, including current portion	\$ 65	\$ 5	\$ 1	\$ 2

December 31, 2023	Total Long-term Receivable	Current Billed Due	Past Due Under 90 Days	Past Due Over 90 Days
Municipal leases secured tax exempt	\$ 15	\$ 1	\$ 1	\$ 1
Commercial loans and leases secured	21	1	—	1
Long-term receivables, including current portion	\$ 36	\$ 2	\$ 1	\$ 2

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Information by
Segment and
Geographic Region
(Tables)
[Segment Reporting](#)
[\[Abstract\]](#)
[Operating Business Segment](#)

12 Months Ended
Dec. 31, 2024

The following table summarizes Net sales, significant expenses, Gross margin and Operating earnings by segment:

	2024			2023			2022		
Years ended December 31	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total	Products and Systems Integration	Software and Services	Total
Net sales	\$ 6,883	\$ 3,934	\$ 10,817	\$ 6,242	\$ 3,736	\$ 9,978	\$ 5,728	\$ 3,384	\$ 9,112
Costs of sales	3,215	2,090	5,305	3,115	1,893	5,008	3,060	1,823	4,883
Gross margin	3,668	1,844	5,512	3,127	1,843	4,970	2,668	1,561	4,229
Selling, general and administrative expenses	1,392	360	1,752	1,239	322	1,561	1,156	294	1,450
Research and development expenditures	575	342	917	551	307	858	503	276	779
Other charges	25	130	155	94	163	257	96	243	339
Operating earnings	\$ 1,676	\$ 1,012	\$ 2,688	\$ 1,244	\$ 1,050	\$ 2,294	\$ 913	\$ 748	\$ 1,661
Total other expense			(716)			(148)			(146)
Net earnings before income taxes			\$ 1,972			\$ 2,146			\$ 1,515

[Corporate Related Expenses and Assets](#)

The following table summarizes the Company's capital expenditures and depreciation expense by segment:

Years ended December 31	Capital Expenditures			Depreciation Expense		
	2024	2023	2022	2024	2023	2022
Products and Systems Integration	\$ 103	\$ 97	77	\$ 90	\$ 83	\$ 79
Software and Services	154	156	179	94	96	104
	\$ 257	\$ 253	\$ 256	\$ 184	\$ 179	\$ 183

Years ended December 31	Net Sales			Assets		
	2024	2023	2022	2024	2023	2022
United States	\$ 7,432	\$ 6,559	\$ 6,008	\$ 11,456	\$ 10,207	\$ 9,227
United Kingdom	572	769	789	2,190	2,034	2,321
Canada	388	373	366	383	362	394
Other	2,425	2,277	1,949	566	733	872
	\$ 10,817	\$ 9,978	\$ 9,112	\$ 14,595	\$ 13,336	\$ 12,814

Geographic Area Information

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Reorganization of
Businesses (Tables)

Restructuring and Related Activities [Abstract]
Net Charges Incurred by Business Segment

12 Months Ended
Dec. 31, 2024

The following table displays the net charges incurred by segment:	
Year ended December 31	2024
Products and Systems Integration	\$ 32
Software and Services	6
	\$ 38
The following table displays the net charges incurred by segment:	
Year ended December 31	2023
Products and Systems Integration	\$ 45
Software and Services	8
	\$ 53
The following table displays the net charges incurred by segment:	
Year ended December 31	2022
Products and Systems Integration	\$ 21
Software and Services	15
	\$ 36

Reorganization of Businesses Accruals

Reorganization of Businesses Accruals					
	Accruals at January 1	Additional Charges	Adjustments	Amount Used	Accruals at December 31
Reorganization costs	\$ 23	\$ 48	\$ (6)	\$ (38)	\$ 27
Exit costs	\$ 5	\$ —	\$ (4)	\$ —	\$ 1
	\$ 28	\$ 48	\$ (10)	\$ (38)	\$ 28

Reorganization of Businesses Accruals					
	Accruals at January 1	Additional Charges	Adjustments	Amount Used	Accruals at December 31
Reorganization costs	\$ 26	\$ 41	\$ (7)	\$ (37)	\$ 23
Exit costs	\$ 10	\$ —	\$ (5)	\$ —	\$ 5
	\$ 36	\$ 41	\$ (12)	\$ (37)	\$ 28

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Intangible Assets and
Goodwill (Tables)

Goodwill and Intangible Assets Disclosure [Abstract]
Intangible Assets

12 Months Ended
Dec. 31, 2024

December 31 (in millions)	2024		2023	
	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
Intangible assets:				
Developed technology	\$ 1,226	\$ 535	\$ 1,156	\$ 447
Patents	2	2	2	2
Customer-related	1,609	1,093	1,566	1,055
Other intangibles	116	74	105	70
	\$ 2,953	\$ 1,704	\$ 2,829	\$ 1,574

Amortized Intangible Assets, Excluding Goodwill, By Business Segment

December 31 (in millions)	2024		2023	
	Gross Carrying Amount	Accumulated Amortization	Gross Carrying Amount	Accumulated Amortization
Products and Systems Integration	\$ 1,017	\$ 409	\$ 985	\$ 337
Software and Services	1,936	1,295	1,844	1,237
	\$ 2,953	\$ 1,704	\$ 2,829	\$ 1,574

Goodwill

The following table displays a rollforward of the carrying amount of goodwill, net of impairment losses, by segment from January 1, 2023 to December 31, 2024:				
(in millions)	Products and Systems Integration	Software and Services	Total	
Balance as of January 1, 2023	\$ 1,461	\$ 1,851	\$ 3,312	
Goodwill acquired	109	—	109	
Purchase accounting adjustments	(2)	(29)	(31)	
Foreign currency translation	—	11	11	
Balance as of December 31, 2023	\$ 1,568	\$ 1,833	\$ 3,401	
Goodwill acquired	16	128	144	
Purchase accounting adjustments	(9)	3	(6)	
Foreign currency translation	(2)	(11)	(13)	
Balance as of December 31, 2024	\$ 1,573	\$ 1,953	\$ 3,526	

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Valuation and
Qualifying Accounts
(Tables)

SEC Schedule, 12-09, Valuation and Qualifying Accounts [Abstract]
Valuation And Qualifying Accounts

12 Months Ended
Dec. 31, 2024

	Balance at Beginning of Period	Charged to Earnings	Used	Adjustments*	Balance at End of Period
2024					
Allowance for credit losses	\$ 69	\$ 49	\$ (35)	\$ —	\$ 83
2023					
Allowance for credit losses	61	29	(21)	—	69
2022					
Allowance for credit losses	70	28	(36)	(1)	61

* Adjustments include translation adjustments

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Summary of
Significant
Accounting Policies -
Additional
Information (Details)
- USD (\$)
\$ in Millions

12 Months Ended

Dec. 31, 2024 Dec. 31, 2023 Dec. 31, 2022

Property, Plant and Equipment [Line Items]

Net sales	\$ 10,817	\$ 9,978	\$ 9,112
Restricted cash	\$ 3	2	
Minimum contractual term for long-term receivables	1 year		
Performance restructuring reclassification period	12 months		
Market-related asset value method recognition period	5 years		
Transferred over Time			

Property, Plant and Equipment [Line Items]

Net sales	\$ 2,000	\$ 1,900	\$ 1,800
Minimum			

Property, Plant and Equipment [Line Items]

Revenue recognition period	1 year
Intangible assets estimated useful lives	1 year
Term of lease contract	1 year
Renewal term or lease contract	1 year
Period range of amortizing gains and losses recognized	8 years
Amortization period of prior service cost	1 year
Maximum	
Property, Plant and Equipment [Line Items]	
Revenue recognition period	2 years
Intangible assets estimated useful lives	20 years
Term of lease contract	21 years
Renewal term or lease contract	10 years
Period range of amortizing gains and losses recognized	25 years
Amortization period of prior service cost	15 years
Building and Building Improvements Minimum	
Property, Plant and Equipment [Line Items]	
Property, plant and equipment useful life, years	1 year
Building and Building Improvements Maximum	
Property, Plant and Equipment [Line Items]	
Property, plant and equipment useful life, years	20 years
Machinery and equipment Minimum	
Property, Plant and Equipment [Line Items]	
Property, plant and equipment useful life, years	1 year
Machinery and equipment Maximum	
Property, Plant and Equipment [Line Items]	
Property, plant and equipment useful life, years	15 years

[XML 62 R45.htm IDEA: XBRL DOCUMENT](#)

Summary of Significant Accounting Policies - Recent Acquisitions (Details) - USD (\$) \$ in Millions	Oct. 29, 2024	Jul. 01, 2024	Feb. 13, 2024	Dec. 15, 2023	Dec. 14, 2022	Oct. 25, 2022	Aug. 08, 2022	May 12, 2022	Apr. 19, 2022	Mar. 23, 2022	Mar. 03, 2022
3tc Software											
Business Acquisition [Line Items]											
Cash paid for acquisition	\$ 22										
Share value	\$ 4										
Share-based compensation arrangement, award requisite service period	1 year										
Noggin											
Business Acquisition [Line Items]											
Cash paid for acquisition		\$ 91									
Share value		\$ 19									
Share-based compensation arrangement, award requisite service period		3 years									
Vehicle Location And Management Solutions											
Business Acquisition [Line Items]											
Cash paid for acquisition		\$ 132									
Share value		\$ 3									
Share-based compensation arrangement, award requisite service period		3 years									
Silent Sentinel											
Business Acquisition [Line Items]											
Cash paid for acquisition			\$ 37								
IPVideo											
Business Acquisition [Line Items]											
Cash paid for acquisition				\$ 170							
Share-based compensation fair value				\$ 5							
Share-based compensation arrangement, award requisite service period				1 year							
Rave Mobile											
Business Acquisition [Line Items]											
Cash paid for acquisition					\$ 553						
Share-based compensation fair value					\$ 2						
Share-based compensation arrangement, award requisite service period					2 years						
Futurecom Systems Group, ULC											
Business Acquisition [Line Items]											
Cash paid for acquisition						\$ 30					
Barrett Communications Pty Ltd											
Business Acquisition [Line Items]											
Cash paid for acquisition							\$ 18				
Videotec S.p.A.											
Business Acquisition [Line Items]											
Cash paid for acquisition								\$ 23			
Share-based compensation fair value								\$ 4			
Share-based compensation arrangement, award requisite service period								1 year			
Calipsa, Inc											
Business Acquisition [Line Items]											
Cash paid for acquisition									\$ 39		
Share-based compensation fair value									\$ 4		
Share-based compensation arrangement, award requisite service period									2 years		
TETRA Ireland Communications Limited											
Business Acquisition [Line Items]											
Cash paid for acquisition										\$ 120	
Ava Security Limited											
Business Acquisition [Line Items]											
Cash paid for acquisition											\$ 388
Share-based compensation fair value											\$ 7
Share-based compensation arrangement, award requisite service period											2 years

[XML 63 R46.htm IDEA: XBRL DOCUMENT](#)

Revenue from Contracts with Customers - Disaggregation of Revenue (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Disaggregation of Revenue [Line Items]			
Net Sales	\$ 10,817	\$ 9,978	\$ 9,112
Direct			
Disaggregation of Revenue [Line Items]			
Net Sales	7,824	7,015	6,425
Indirect			
Disaggregation of Revenue [Line Items]			
Net Sales	2,993	2,963	2,687
LMR Communications			
Disaggregation of Revenue [Line Items]			
Net Sales	8,100	7,526	6,987
Video			
Disaggregation of Revenue [Line Items]			
Net Sales	1,920	1,726	1,523
Command Center			
Disaggregation of Revenue [Line Items]			
Net Sales	797	726	602
North America			
Disaggregation of Revenue [Line Items]			
Net Sales	7,820	6,932	6,374
International			
Disaggregation of Revenue [Line Items]			
Net Sales	2,997	3,046	2,738
Products and Systems Integration			
Disaggregation of Revenue [Line Items]			
Net Sales	6,883	6,242	5,728
Products and Systems Integration Direct			
Disaggregation of Revenue [Line Items]			
Net Sales	4,238	3,619	3,368
Products and Systems Integration Indirect			
Disaggregation of Revenue [Line Items]			
Net Sales	2,645	2,623	2,360
Products and Systems Integration LMR Communications			
Disaggregation of Revenue [Line Items]			
Net Sales	5,739	5,127	4,713
Products and Systems Integration Video			
Disaggregation of Revenue [Line Items]			
Net Sales	1,144	1,115	1,015
Products and Systems Integration Command Center			
Disaggregation of Revenue [Line Items]			
Net Sales	0	0	0
Products and Systems Integration North America			
Disaggregation of Revenue [Line Items]			
Net Sales	5,097	4,507	4,286
Products and Systems Integration International			
Disaggregation of Revenue [Line Items]			
Net Sales	1,786	1,735	1,442
Software and Services			
Disaggregation of Revenue [Line Items]			
Net Sales	3,934	3,736	3,384
Software and Services Direct			
Disaggregation of Revenue [Line Items]			
Net Sales	3,586	3,396	3,057
Software and Services Indirect			
Disaggregation of Revenue [Line Items]			
Net Sales	348	340	327
Software and Services LMR Communications			
Disaggregation of Revenue [Line Items]			
Net Sales	2,361	2,399	2,274
Software and Services Video			
Disaggregation of Revenue [Line Items]			
Net Sales	776	611	508
Software and Services Command Center			
Disaggregation of Revenue [Line Items]			
Net Sales	797	726	602
Software and Services North America			
Disaggregation of Revenue [Line Items]			
Net Sales	2,723	2,425	2,088
Software and Services International			
Disaggregation of Revenue [Line Items]			
Net Sales	\$ 1,211	\$ 1,311	\$ 1,296

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Revenue from Contracts with Customers - Remaining Performance Obligation (Details) - USD (\$) \$ in Millions			Dec. 31, 2024	Dec. 31, 2023
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Remaining performance obligation amount			\$ 9,400	
Products and Systems Integration				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Remaining performance obligation amount			4,100	
Remaining performance obligations removed				\$ 777
Software and Services				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Remaining performance obligation amount			5,300	
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2025-01-01 Products and Systems Integration				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Remaining performance obligation amount			\$ 2,300	
Expected timing of satisfaction, period			12 months	
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2025-01-01 Software and Services				
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]				
Remaining performance obligation amount			\$ 1,800	
Expected timing of satisfaction, period			12 months	
Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]: 2026-12-31				

Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]	
Remaining performance obligation amount	\$ 748
Expected timing of satisfaction, period	3 years

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Revenue from Contracts with Customers - Schedule of Contract Balances (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Revenue from Contract with Customer [Abstract]

Accounts receivable, net	\$ 1,952	\$ 1,710	\$ 1,518
Contract assets	1,230	1,102	974
Contract liabilities	2,072	2,037	1,859
Non-current contract liabilities	\$ 496	\$ 424	\$ 363

XML 66 R49.htm IDEA: XBRL DOCUMENT

Revenue from Contracts with Customers - Contract Balances (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Revenue from Contract with Customer [Abstract]

Contract liabilities	\$ 1,300	\$ 1,300	\$ 1,100
Performance obligation satisfied in previous period	(28)	\$ (37)	\$ (26)
Contract assets, impairment losses	\$ 0		

XML 67 R50.htm IDEA: XBRL DOCUMENT

Revenue from Contracts with Customers - Schedule of Contract Cost Assets (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Revenue from Contract with Customer [Abstract]

Current contract cost assets	\$ 70	\$ 56	\$ 61
Non-current contract cost assets	\$ 141	\$ 119	\$ 130

XML 68 R51.htm IDEA: XBRL DOCUMENT

Revenue from Contracts with Customers - Contract Cost Balances (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Revenue from External Customer [Line Items]

Capitalized contract cost, amortization	\$ 51	\$ 61	\$ 62

Minimum

Revenue from External Customer [Line Items]

Capitalized contract cost, amortization period	1 year

Maximum

Revenue from External Customer [Line Items]

Capitalized contract cost, amortization period	8 years

XML 69 R52.htm IDEA: XBRL DOCUMENT

Leases - Operating Expenses (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Leases [Abstract]			
Operating lease cost	\$ 140	\$ 140	\$ 130
Short-term lease cost	1	1	1
Variable cost	47	36	33
Sublease income	(5)	(5)	(5)
Net lease expense from operating leases	\$ 183	\$ 172	\$ 159

XML 70 R53.htm IDEA: XBRL DOCUMENT

Leases - Assets and Liabilities (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023

ASSETS		
Right-of-use lease assets	\$ 529	\$ 495
Liabilities, Current [Abstract]		
Current lease liabilities	127	125
Liabilities, Noncurrent [Abstract]		
Operating lease liabilities	\$ 427	\$ 407
Operating Lease, Liability, Current, Statement of Financial Position [Extensible List]	Accrued liabilities	Accrued liabilities

XML 71 R54.htm IDEA: XBRL DOCUMENT

Leases - Cash Flows (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Leases [Abstract]			
Net cash used for operating activities related to operating leases	\$ 152	\$ 147	\$ 145
Right-of-use assets obtained in exchange for lease liabilities	\$ 150	\$ 98	\$ 221

XML 72 R55.htm IDEA: XBRL DOCUMENT

Leases - Narrative (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Lessee, Lease, Description [Line Items]			
Right-of-use assets obtained in exchange for lease liabilities	\$ 150	\$ 98	\$ 221
Additional leases acquired	554		

Three Large Managed Service Contracts			
Lessee, Lease, Description [Line Items]			
Right-of-use assets obtained in exchange for lease liabilities	80		

Radio Tower Sites			
Lessee, Lease, Description [Line Items]			
Right-of-use assets obtained in exchange for lease liabilities		\$ 66	
Additional leases acquired	\$ 24		
Renewal term	10 years		

International RE Lease			
Lessee, Lease, Description [Line Items]			
Additional leases acquired	\$ 19		

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Leases - Terms

(Details)	Dec. 31, 2024	Dec. 31, 2023	
Leases [Abstract]			
Weighted average remaining lease terms, operating leases	5 years	5 years	
Weighted average discount rate, operating leases	3.97%	4.34%	
XML 74 R57.htm IDEA: XBRL DOCUMENT			
Leases - Future Payments (Details) - \$ in Millions	Dec. 31, 2024		
	USD (\$)		
Amount			
2025	\$ 146		
2026	128		
2027	109		
2028	84		
2029	63		
Thereafter	83		
Total lease payments	613		
Less: Interest	59		
Present value of operating lease liabilities	\$ 554		
XML 75 R58.htm IDEA: XBRL DOCUMENT			
Other Financial Data	12 Months Ended		
- Other Charges			
(Income) (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ in Millions			
Accumulated Other Comprehensive Income (Loss) [Line Items]			
Intangibles amortization	\$ 152	\$ 177	\$ 257
Reorganization of businesses	26	22	18
Fixed asset impairments	2	3	12
Environmental reserve expense	2	15	0
Exit of video manufacturing operations	0	24	0
Operating lease asset impairments	6	6	24
Acquisition-related transaction fees	20	7	23
Other	1	(1)	(3)
Other charges (income):	155	257	339
Settlements Other Than Hytera			
Accumulated Other Comprehensive Income (Loss) [Line Items]			
Legal settlements loss (gains)	7	4	23
Gain on Hytera litigation			
Accumulated Other Comprehensive Income (Loss) [Line Items]			
Legal settlements loss (gains)	\$ (61)	\$ 0	\$ (15)
XML 76 R59.htm IDEA: XBRL DOCUMENT			
Other Financial Data	12 Months Ended		
- Other Charges			
(Income) - Additional Information (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ in Millions			
Accumulated Other Comprehensive Income (Loss) [Line Items]			
Environmental Reserve	\$ 119	\$ 119	
Reorganization of business charges	38	53	\$ 36
Other Restructuring			
Accumulated Other Comprehensive Income (Loss) [Line Items]			
Reorganization of business charges		\$ 24	
Environmental Remediation			
Accumulated Other Comprehensive Income (Loss) [Line Items]			
Environmental reserve expense	15		
Environmental reserve, current and noncurrent	127		
Current ac for environmental loss contingencies	9		
Environmental Reserve	\$ 119		
XML 77 R60.htm IDEA: XBRL DOCUMENT			
Other Financial Data	12 Months Ended		
- Other Income			
(Expense) (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ in Millions			
Interest expense, net:			
Interest expense	\$ (295)	\$ (249)	\$ (240)
Interest income	68	33	14
Interest expense, net:	(227)	(216)	(226)
Other, net:			
Net periodic pension and postretirement benefit	132	99	123
Loss from the extinguishment of long-term debt	(585)	0	(6)
Investment impairments	(3)	(16)	(1)
Foreign currency gain (loss)	2	(53)	37
Gain (loss) on derivative instruments	(19)	20	(61)
Loss on equity method investments	0	0	(3)
Fair value adjustments to equity investments	(5)	13	(30)
Gain on TETRA Ireland equity method investment	0	0	21
Assessments on uncertain tax positions	(11)	0	0
Other	0	5	(3)
Total other	(489)	68	77
Long-term Debt, Excluding Convertible Debt			
Other, net:			
Loss from the extinguishment of long-term debt	\$ (585)	\$ 0	\$ (6)
XML 78 R61.htm IDEA: XBRL DOCUMENT			
Other Financial Data	12 Months Ended		
- Earnings Per Common Share			
(Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ / shares in Units, shares in Millions, \$ in Millions			Sep. 05, 2019
Basic earnings per common share:			
Earnings	\$ 1,577	\$ 1,709	\$ 1,363
Weighted average common shares outstanding (in shares)	166.8	167.0	167.5
Per share amount (USD per share)	\$ 9.45	\$ 10.23	\$ 8.14
Diluted earnings per common share:			
Earnings	\$ 1,577	\$ 1,709	\$ 1,363
Weighted average common shares outstanding (in shares)	166.8	167.0	167.5
Add effect of dilutive securities:			

Share-based awards (in shares)	4.0	3.7	3.7
Diluted weighted average common shares outstanding (in shares)	170.8	172.1	171.9
Per share amount (USD per share)	\$ 9.23	\$ 9.93	\$ 7.93
1.75% senior convertible notes due 2024			
Add effect of dilutive securities:			
Senior Convertible Notes (in shares)	0.0	1.5	0.7
Convertible Debt 1.75% senior convertible notes due 2024			
Add effect of dilutive securities:			
Interest rate	1.75%	1.75%	1.75%
Interest rate	1.75%		1.75%

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Other Financial Data - Earnings Per Common Share - Additional Information (Details) \$ / shares in Units, shares in Millions, \$ in Millions	12 Months Ended				
	Feb. 14, 2024 USD (\$)	Dec. 31, 2024 USD (\$) shares	Dec. 31, 2023 USD (\$) \$ / shares shares	Dec. 31, 2022 USD (\$) shares	Sep. 05, 2019 USD (\$)
Debt Instrument [Line Items]					
Loss from the extinguishment of long-term debt		\$ (585)	\$ 0	\$ (6)	
1.75% senior convertible notes due 2024					
Debt Instrument [Line Items]					
Loss from the extinguishment of long-term debt		\$ (585)			
1.75% senior convertible notes due 2024 Convertible Debt					
Debt Instrument [Line Items]					
Debt instrument face principal amount			\$ 1,000	\$ 1,000	\$ 1,000
Convertible debt conversion ratio			0.0049670		
Debt instrument stated interest rate		1.75%	1.75%	1.75%	1.75%
Convertible debt conversion price (usd per share) \$ / shares			\$ 201.33		
Loss from the extinguishment of long-term debt	\$ 585				
Common Stock Silver Lake Convertible Debt					
Debt Instrument [Line Items]					
Stock options excluded from computation of dilutive shares due to antidilutive nature (in shares) shares		0.2			
Stock Options					
Debt Instrument [Line Items]					
Stock options excluded from computation of dilutive shares due to antidilutive nature (in shares) shares		0.1	0.3	0.3	
Performance Options					
Debt Instrument [Line Items]					
Stock options excluded from computation of dilutive shares due to antidilutive nature (in shares) shares			0.2	0.1	

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Other Financial Data - Accounts Receivable, Net (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Organization, Consolidation and Presentation of Financial Statements [Abstract]			
Accounts receivable		\$ 2,035	\$ 1,779
Less allowance for credit losses		(83)	(69)
Accounts receivable, net		\$ 1,952	\$ 1,710
			\$ 1,518

XML 81 R64.htm IDEA: XBRL DOCUMENT

Other Financial Data - Inventories, Net (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023
Inventory, Net [Abstract]		
Finished goods	\$ 396	\$ 328
Work-in-process and production materials	498	640
Inventories, gross	894	968
Less inventory reserves	(128)	(141)
Inventories, net	\$ 766	\$ 827

XML 82 R65.htm IDEA: XBRL DOCUMENT

Other Financial Data - Other Current Assets (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Other Current Assets [Abstract]			
Current contract cost assets	\$ 70	\$ 56	\$ 61
Contractor receivables	44	40	
Tax-realted deposits	54	32	
Other	261	229	
Other current assets	\$ 429	\$ 357	

XML 83 R66.htm IDEA: XBRL DOCUMENT

Other Financial Data - Property, Plant and Equipment, Net (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023
Property, Plant and Equipment [Line Items]		
Property, plant and equipment, gross	\$ 2,689	\$ 2,849
Less accumulated depreciation	(1,667)	(1,885)
Net book value	1,022	964
Land		
Property, Plant and Equipment [Line Items]		
Property, plant and equipment, gross	5	5
Leasehold improvements		
Property, Plant and Equipment [Line Items]		
Property, plant and equipment, gross	441	448
Machinery and equipment		
Property, Plant and Equipment [Line Items]		
Property, plant and equipment, gross	\$ 2,243	\$ 2,396

XML 84 R67.htm IDEA: XBRL DOCUMENT

Other Financial Data - Property, Plant and Equipment, Net, Additional Information (Details) - USD (\$) \$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Other Income and Expenses [Abstract]			
Depreciation expense	\$ 184	\$ 179	\$ 183

XML 85 R68.htm IDEA: XBRL DOCUMENT

Other Financial Data		
- Investments		
(Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023
\$ in Millions		

[Organization, Consolidation and Presentation of Financial Statements \[Abstract\]](#)

Common stock	\$ 23	\$ 28
Strategic investments, at cost	26	28
Company-owned life insurance policies	75	74
Equity method investments	11	13
Long-term investments noncurrent	\$ 135	\$ 143

XML 86 R69.htm
IDEA: XBRL DOCUMENT

Other Financial Data			
- Other Assets			
(Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ in Millions			

[Other Assets:](#)

Defined benefit plan assets	\$ 162	\$ 98	
Non-current contract cost assets	141	119	\$ 130
Other	72	57	
Other assets	\$ 375	\$ 274	

XML 87 R70.htm
IDEA: XBRL DOCUMENT

Other Financial Data			
- Accounts Payable			
Additional Information (Details)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
- USD (\$)			
\$ in Millions			

[Debt Instrument \[Line Items\]](#)

Supplier finance program, payment timing, period	60 days		
Supplier finance program, obligation	\$ 38	\$ 35	\$ 37
Supplier Finance Program, Obligation, Statement of Financial Position [Extensible Enumeration]	Accounts payable	Accounts payable	
Minimum			

[Debt Instrument \[Line Items\]](#)

Supplier finance program, payment timing, period	75 days
Maximum	

[Debt Instrument \[Line Items\]](#)

Supplier finance program, payment timing, period	120 days

XML 88 R71.htm
IDEA: XBRL DOCUMENT

Other Financial Data	12 Months Ended	
- Account Payable, Supplier Finance		
(Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023
\$ in Millions		

[Supplier Finance Program, Obligation \[Roll Forward\]](#)

Confirmed obligations beginning balance	\$ 35	\$ 37
Invoices confirmed during the year	139	114
Confirmed invoices paid during the year	(136)	(116)
Confirmed obligations ending balance	\$ 38	\$ 35

XML 89 R72.htm
IDEA: XBRL DOCUMENT

Other Financial Data		
- Accrued Liabilities		
(Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023
\$ in Millions		

[Accrued Liabilities \[Abstract\]](#)

Compensation	\$ 406	\$ 407
Tax liabilities	217	231
Dividend payable	182	163
Trade liabilities	160	140
Current lease liabilities	127	125
Customer reserves	97	89
Other	454	349
Accrued liabilities	\$ 1,643	\$ 1,504

XML 90 R73.htm
IDEA: XBRL DOCUMENT

Other Financial Data			
- Other Liabilities			
(Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ in Millions			

[Other Liabilities \[Abstract\]](#)

Defined benefit plans	\$ 768	\$ 939	
Non-current contract liabilities	496	424	\$ 363
Unrecognized tax benefits	39	26	
Deferred income taxes	87	55	
Environmental Reserve	119	119	
Deferred compensation	89	70	
Other	121	108	
Other liabilities	\$ 1,719	\$ 1,741	

XML 91 R74.htm
IDEA: XBRL DOCUMENT

Other Financial Data	3 Months Ended		12 Months Ended		
- Stockholders' Equity, Additional Information (Details)					
- USD (\$)	Jan. 12, 2025	Dec. 31, 2023	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ / shares in Units, \$ in Millions					Nov. 14, 2024

[Accumulated Other Comprehensive Income \(Loss\) \[Line Items\]](#)

Stock repurchase program, authorized amount		\$ 18,000			
Share repurchase authority utilized during period		15,800			
Share repurchase program, available for repurchases		2,200			
Excise tax		\$ 3			
Dividends declared per share (USD per share)	\$ 0.98	\$ 4.03	\$ 3.62	\$ 3.25	
Dividends payable (USD per share)					\$ 1.09
Payment of dividends		\$ 654	\$ 589	\$ 530	
Subsequent Event					

[Accumulated Other Comprehensive Income \(Loss\) \[Line Items\]](#)

Payment for additional dividends	\$ 182

XML 92 R75.htm
IDEA: XBRL DOCUMENT

Other Financial Data Stockholders' Equity (Details) - USD (\$) \$ / shares in Units, shares in Millions, \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

[Other Income and Expenses \[Abstract\]](#)

Shares repurchased (in shares)	0.6	2.9	3.7
Average price (USD per share)	\$ 396.69	\$ 278.56	\$ 225.00
Aggregate amount	\$ 244	\$ 804	\$ 836

XML 93 R76.htm IDEA: XBRL DOCUMENT

Other Financial Data	12 Months Ended		
- Accumulated Other Comprehensive Loss (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
\$ in Millions			

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Balance at beginning of period	\$ 739		
Total other comprehensive income (loss), net of tax	1	\$ (5)	\$ (156)
Balance at end of period	1,719	739	

Foreign Currency Translation Adjustments

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Balance at beginning of period	(482)	(539)	(384)
Other comprehensive income (loss) before reclassification adjustment	(66)	61	(156)
Tax benefit (expense)	2	(4)	1
Total other comprehensive income (loss), net of tax	(64)	57	(155)
Balance at end of period	(546)	(482)	(539)

Accumulated Gain (Loss), Net, Cash Flow Hedge, Parent

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Balance at beginning of period	(12)	0	0
Other comprehensive income (loss) before reclassification adjustment	4	(12)	0
Reclassification adjustment	1	0	0
Total other comprehensive income (loss), net of tax	5	(12)	0
Balance at end of period	(7)	(12)	0

Defined Benefit Plans

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Balance at beginning of period	(2,046)	(1,996)	(1,995)
Other comprehensive income (loss) before reclassification adjustment	44	(130)	(76)
Tax benefit (expense)	(9)	34	18
Other comprehensive income (loss) before reclassification adjustment, net of tax	35	(96)	(58)
Tax expense	(9)	(16)	(21)
Reclassification adjustment into earnings, net of tax	25	46	57
Total other comprehensive income (loss), net of tax	60	(50)	(1)
Balance at end of period	(1,986)	(2,046)	(1,996)

Reclassification adjustment - Actuarial net losses into Other income (expense)

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Reclassification adjustment	34	61	80

Reclassification adjustment - Prior service benefits into Other income (expense)

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Reclassification adjustment	0	1	(2)

Total Accumulated other comprehensive loss

Accumulated Other Comprehensive Income (Loss) [Roll Forward]

Balance at beginning of period	(2,540)	(2,535)	(2,379)
Total other comprehensive income (loss), net of tax	1	(5)	(156)
Balance at end of period	\$ (2,539)	\$ (2,540)	\$ (2,535)

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Debt and Credit Facilities - Long-Term Debt (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022	Sep. 05, 2019
\$ in Millions				

Debt Instrument [Line Items]

Long-term debt, gross	\$ 5,998	\$ 6,019		
Adjustments for unamortized gains on interest rate swap terminations	(1)	(1)		
Less: current portion	(322)	(1,313)		
Long-term debt	\$ 5,675	4,705		

4.0% senior notes due 2024 | Senior Notes

Debt Instrument [Line Items]

Interest rate	4.00%			
Long-term debt, gross	\$ 0	\$ 313		

1.75% senior convertible notes due 2024 | Senior Notes

Debt Instrument [Line Items]

Interest rate	1.75%			

1.75% senior convertible notes due 2024 | Convertible Debt

Debt Instrument [Line Items]

Interest rate	1.75%	1.75%	1.75%	1.75%
Long-term debt, gross	\$ 0	\$ 1,000		

6.5% debentures due 2025 | Senior Notes

Debt Instrument [Line Items]

Interest rate	6.50%			

6.5% debentures due 2025 | Debenture

Debt Instrument [Line Items]

Long-term debt, gross	\$ 70	70		

7.5% debentures due 2025 | Senior Notes

Debt Instrument [Line Items]

Interest rate	7.50%			

7.5% debentures due 2025 | Debenture

Debt Instrument [Line Items]

Long-term debt, gross	\$ 252	252		

4.6% senior notes due 2028 | Senior Notes

Debt Instrument [Line Items]

Interest rate	4.60%			
Long-term debt, gross	\$ 696	695		

6.5% debentures due 2028 | Senior Notes

Debt Instrument [Line Items]

Interest rate	6.50%			

6.5% debentures due 2028 | Debenture

Debt Instrument [Line Items]

Long-term debt, gross	\$ 24	25		

5.0% senior notes due 2029 | Senior Notes

Debt Instrument [Line Items]

Interest rate	5.00%			

5.0% senior notes due 2029 | Debenture

Debt Instrument [Line Items]

Long-term debt, gross	\$ 396	0		

4.6% senior notes due 2029 | Senior Notes

Debt Instrument [Line Items]

Interest rate	4.60%	
Long-term debt, gross	\$ 802	802

2.3% senior notes due 2030 | Senior Notes

Debt Instrument [Line Items]

Interest rate	2.30%	
Long-term debt, gross	\$ 895	894

2.75% senior notes due 2031 | Senior Notes

Debt Instrument [Line Items]

Interest rate	2.75%	
Long-term debt, gross	\$ 846	845

5.6% senior notes due 2032 | Senior Notes

Debt Instrument [Line Items]

Interest rate	5.60%	
Long-term debt, gross	\$ 596	595

5.4% senior notes due 2034 | Senior Notes

Debt Instrument [Line Items]

Long-term debt, gross	\$ 893	0

6.625% senior notes due 2037 | Senior Notes

Debt Instrument [Line Items]

Interest rate	6.625%	
Long-term debt, gross	\$ 38	38

5.5% senior notes due 2044 | Senior Notes

Debt Instrument [Line Items]

Interest rate	5.50%	
Long-term debt, gross	\$ 397	397

5.22% debentures due 2097 | Senior Notes

Debt Instrument [Line Items]

Interest rate	5.22%	
5.22% debentures due 2097 Debenture		

Debt Instrument [Line Items]

Long-term debt, gross	\$ 93	\$ 93

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Debt and Credit	12 Months Ended					
Facilities - Additional						
Information (Details)	Mar. 25, 2024	Feb. 14, 2024	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022	Sep. 05, 2019
- USD (\$)						

Line of Credit Facility [Line Items]

Long-term debt, gross	\$ 5,998,000,000	\$ 6,019,000,000			
Losses from the extinguishment of long term debt	585,000,000	0		\$ 6,000,000	
Long-term maturities during 2025	322,000,000				
Long-term maturities during 2026	0				
Long-term maturities during 2027	0				
Long-term maturities during 2028	724,000,000				
Long-term maturities during 2029	1,200,000,000				
1.75% senior convertible notes due 2024					

Line of Credit Facility [Line Items]

Repurchase amount	593,000,000				
Losses from the extinguishment of long term debt	585,000,000				
Interest payable	8,000,000				
Commercial Paper					

Line of Credit Facility [Line Items]

Long-term debt, gross	0				
Line of credit facility borrowing capacity	2,200,000,000				

Senior Notes | 4.0% senior notes due 2024

Line of Credit Facility [Line Items]

Repayments of debt	\$ 313,000,000				
Interest rate	4.00%				
Long-term debt, gross	\$ 0	313,000,000			

Senior Notes | 1.75% senior convertible notes due 2024

Line of Credit Facility [Line Items]

Interest rate	1.75%				

Senior Notes | 5.0% senior notes due 2029

Line of Credit Facility [Line Items]

Interest rate	5.00%				

Debt instrument face principal amount \$ 400,000,000

Senior Notes | 5.4% Senior Notes Due 2034

Line of Credit Facility [Line Items]

Interest rate	5.40%				

Debt instrument face principal amount 900,000,000 \$ 900,000,000

Senior Notes | 5.0 % Senior Notes Due 2029 and 5.4% Senior Notes Due 2034

Line of Credit Facility [Line Items]

Proceeds from debt, net	1,300,000,000				

Senior Notes | 5.6% senior notes due 2032

Line of Credit Facility [Line Items]

Interest rate	5.60%				
Long-term debt, gross	\$ 596,000,000	\$ 595,000,000			

Convertible Debt | 1.75% senior convertible notes due 2024

Line of Credit Facility [Line Items]

Interest rate	1.75%	1.75%	1.75%	1.75%	
Long-term debt, gross	\$ 0	\$ 1,000,000,000			

Repurchased face amount of debt \$ 1,000,000,000 \$ 1,000,000,000

Repurchase amount 1,590,000,000

Losses from the extinguishment of long term debt \$ (585,000,000)

Debt instrument face principal amount \$ 1,000,000,000 \$ 1,000,000,000 \$ 1,000,000,000

Line of Credit | Revolving Credit Facility | 2021 Motorola Solutions Credit Agreement

Line of Credit Facility [Line Items]

Line of credit facility borrowing capacity	2,250,000,000				

Line of Credit | Letter of Credit | 2021 Motorola Solutions Credit Agreement

Line of Credit Facility [Line Items]

Line of credit facility borrowing capacity	\$ 450,000,000				

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Risk Management -	12 Months Ended				
Additional					
Information (Details)	Dec. 31, 2024	Dec. 31, 2024	Dec. 31, 2024	Mar. 25, 2024	Dec. 31, 2023
€ in Millions, £ in	USD (\$)	EUR (€)	GBP (£)	USD (\$)	USD (\$)
Millions, \$ in Millions					

5.4% Senior Notes Due 2034 | Senior Notes

Derivative [Line Items]

Debt instrument face principal amount	\$ 900			\$ 900
Debt instrument stated interest rate	5.40%	5.40%	5.40%	
Debt instrument term	10 years			

Credit Concentration Risk

Derivative [Line Items]

Total outstanding foreign exchange contracts	\$ 10			
Foreign exchange derivative contracts				
Derivative [Line Items]				
Notional amount of foreign currency derivatives	1,000			\$ 1,300
Foreign exchange derivative contracts Derivatives not designated as hedging instruments:				

Derivative [Line Items]

Notional amount of foreign currency derivatives	19			
Treasury rate lock				

Derivative [Line Items]

Notional amount of foreign currency derivatives				\$ 200
Net settlement loss	\$ 8			

British pound | Net Investment Hedging

Derivative [Line Items]

Notional amount of foreign currency derivatives £			£ 50	
Euro Net Investment Hedging				

Derivative [Line Items]

Notional amount of foreign currency derivatives €			€ 100	

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Risk Management -				
Schedule of Largest				
Notional Amounts of				
the Positions to Buy				
or Sell Foreign				
Currency (Details) -	Dec. 31, 2024	Dec. 31, 2023		
Foreign exchange				
derivative contracts -				
USD (\$)				
\$ in Millions				

Derivative [Line Items]

Notional amount of foreign currency derivatives	\$ 1,000	\$ 1,300		
Buy Euro				

Derivative [Line Items]

Notional amount of foreign currency derivatives	150	322		
Buy Australian dollar				

Derivative [Line Items]

Notional amount of foreign currency derivatives	136	140		
Sell British pound				

Derivative [Line Items]

Notional amount of foreign currency derivatives	124	252		
Sell Canadian dollar				

Derivative [Line Items]

Notional amount of foreign currency derivatives	70	76		
Sell Chinese renminbi				

Derivative [Line Items]

Notional amount of foreign currency derivatives	\$ 48	\$ 66		

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Risk Management -				
Summary of Fair				
Values and Location				
in Condensed				
Consolidated Balance			Dec. 31, 2024	Dec. 31, 2023
Sheet (Details) - USD				
(\$)				
\$ in Millions				

Other Current Assets

Derivatives, Fair Value [Line Items]

Fair value of derivative assets	\$ 10	\$ 14		
Accrued Liabilities				

Derivatives, Fair Value [Line Items]

Fair value of derivative liabilities	10	16		
Foreign exchange derivative contracts Derivatives designated as hedging instruments: Other Current Assets				

Derivatives, Fair Value [Line Items]

Fair value of derivative assets	7	1		
Foreign exchange derivative contracts Derivatives designated as hedging instruments: Accrued Liabilities				

Derivatives, Fair Value [Line Items]

Fair value of derivative liabilities	0	3		
Foreign exchange derivative contracts Derivatives not designated as hedging instruments: Other Current Assets				

Derivatives, Fair Value [Line Items]

Fair value of derivative assets	3	12		
Foreign exchange derivative contracts Derivatives not designated as hedging instruments: Accrued Liabilities				

Derivatives, Fair Value [Line Items]

Fair value of derivative liabilities	9	1		
Equity Swap Derivatives not designated as hedging instruments: Other Current Assets				

Derivatives, Fair Value [Line Items]

Fair value of derivative assets	0	1		
Equity Swap Derivatives not designated as hedging instruments: Accrued Liabilities				

Derivatives, Fair Value [Line Items]

Fair value of derivative liabilities	\$ 1	0		
Treasury rate lock Derivatives designated as hedging instruments: Other Current Assets				

Derivatives, Fair Value [Line Items]

Fair value of derivative assets		0		
Treasury rate lock Derivatives designated as hedging instruments: Accrued Liabilities				

Derivatives, Fair Value [Line Items]

Fair value of derivative liabilities		\$ 12		

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Risk Management -				12 Months Ended
Effect of Derivatives				
Designated as				
Hedging Instruments				
(Details) - USD (\$)			Dec. 31, 2024	Dec. 31, 2023
\$ in Millions				

Foreign exchange derivative contracts

Derivative Instruments and Hedging Activities Disclosures [Line Items]

Foreign exchange contracts	\$ 9	\$ (4)	\$ 12	

Foreign exchange derivative contracts | Derivatives not designated as hedging instruments: | Other Income (Expense)

Derivative Instruments and Hedging Activities Disclosures [Line Items]

Foreign exchange contracts	(19)	20	(61)
Forward points recognized Other Income (Expense)			
Derivative Instruments and Hedging Activities Disclosures [Line Items]			
Foreign exchange contracts	2	3	2
Treasury rate lock			
Derivative Instruments and Hedging Activities Disclosures [Line Items]			
Foreign exchange contracts	4	(12)	0
Treasury rate lock Other Income (Expense)			
Derivative Instruments and Hedging Activities Disclosures [Line Items]			
Amortization of treasury rate lock	(1)	0	0
Equity Swap Derivatives not designated as hedging instruments: Selling, General and Administrative Expenses			
Derivative Instruments and Hedging Activities Disclosures [Line Items]			
Equity swap contracts	\$ 3	\$ 1	\$ 0

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Income Taxes - Earnings From Continuing Operations Before Income Taxes (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Income Tax Disclosure [Abstract]

United States	\$ 1,705	\$ 1,744	\$ 1,312
Other nations	267	402	203
Net earnings before income taxes	\$ 1,972	\$ 2,146	\$ 1,515

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Income Taxes - Income Tax Expense (Benefit) (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Income Tax Disclosure [Abstract]

United States Federal	\$ 434	\$ 269	\$ 240
Other nations	38	125	159
States (U.S.)	133	70	83
Current income tax expense	605	464	482
United States Federal	(221)	(30)	(179)
Other nations	40	(9)	(118)
States (U.S.)	(34)	7	(37)
Deferred income tax benefit	(215)	(32)	(334)
Total income tax expense	\$ 390	\$ 432	\$ 148

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Income Taxes - Federal Statutory Tax Rate and Income Tax Expense (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Effective Income Tax Rate Reconciliation, Amount [Abstract]

Income tax expense at statutory rate	\$ 414	\$ 450	\$ 318
State income taxes, net of federal benefit	66	71	76
Non-U.S. tax expense on non-U.S. earnings	24	15	1
U.S. tax expense (benefit) on undistributed non-U.S. earnings	(27)	(44)	(43)
Extinguishment of Silver Lake convertible debt	148	0	0
Stock compensation	(45)	(33)	(68)
Valuation allowances	5	(13)	(51)
Research credits	(24)	(19)	(16)
Reserve for uncertain tax positions	(6)	(3)	(6)
Other tax expense (benefit)	6	8	14
Total income tax expense	\$ 390	\$ 432	\$ 148

Effective Income Tax Rate Reconciliation, Percent [Abstract]

Income tax expense at statutory rate	21.00%	21.00%	21.00%
State income taxes, net of federal benefit	3.30%	3.30%	5.00%
Non-U.S. tax expense on non-U.S. earnings	1.20%	0.70%	0.10%
U.S. tax expense (benefit) on undistributed non-U.S. earnings	(1.40%)	(2.10%)	(2.80%)
IP reorganization	(0.087)	0	(0.051)
Extinguishment of Silver Lake convertible debt	0.075	0	0
Stock compensation	(2.30%)	(1.50%)	(4.50%)
Valuation allowances	0.30%	(0.60%)	(3.40%)
Research credits	(1.20%)	(0.90%)	(1.10%)
Reserve for uncertain tax positions	(0.30%)	(0.10%)	(0.40%)
Other tax expense (benefit)	0.30%	0.40%	0.90%
Total income tax expense (benefit), percent	19.80%	20.10%	9.80%

Intellectual Property

Effective Income Tax Rate Reconciliation, Amount [Abstract]

IP reorganization	\$ (171)	\$ 0	\$ (77)

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Income Taxes - Additional Information (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Tax Credit Carryforward [Line Items]

Deferred tax (benefit) charge, adjustment	\$ (16)	\$ 14	\$ (2)
Undistributed earnings intends to reinvest for which no tax have been provided	2,000		
Gross deferred tax assets	2,400	2,100	
Deferred tax assets, net of valuation allowances	2,400	2,000	
Gross deferred tax liabilities	1,200	1,000	
Valuation allowance	62	63	
Valuation allowance - deferred tax assets relating to non-U.S subsidiaries	42	44	
Unrecognized tax benefits	42	32	\$ 35
Unrecognized tax benefits that would impact effective tax rate if recognized	40	27	
Estimated associated net tax benefit impact on effective tax rate	9		
Unrecognized tax benefits, accrued for interest	30	23	
Unrecognized tax benefits, accrued for penalties	23	12	

UNITED STATES

Tax Credit Carryforward [Line Items]

Change in valuation allowances	1

International

Tax Credit Carryforward [Line Items]		
Change in valuation allowances	(2)	
Other Liabilities		
Tax Credit Carryforward [Line Items]		
Unrecognized tax benefits	\$ 39	\$ 26

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Income Taxes - Components of Deferred Tax Assets and Liabilities (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023
\$ in Millions		

Income Tax Disclosure [Abstract]

Inventory	\$ 30	\$ 30
Accrued liabilities and allowances	87	77
Employee benefits	221	270
Capitalized items	391	146
Tax basis differences on investments	2	4
Depreciation tax basis differences on fixed assets	(31)	(2)
Undistributed non-U.S. earnings	(23)	(28)
Tax attribute carryforwards	98	115
Business reorganization	7	9
Warranty and customer liabilities	24	22
Deferred revenue and costs	420	406
Valuation allowances	(62)	(63)
Operating lease assets	(128)	(120)
Operating lease liabilities	134	129
Other	24	10
Deferred tax assets (liabilities), total	\$ 1,194	\$ 1,005

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Income Taxes - Summary of Tax Credit Carryforwards (Details)	Dec. 31, 2024
\$ in Millions	USD (\$)

Tax Credit Carryforward [Line Items]

Tax Effected	\$ 98
U.S. tax losses	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	127
Tax Effected	27
General business credits	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	0
Tax Effected	1
State tax losses	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	0
Tax Effected	8
State tax credits	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	0
Tax Effected	3
United Kingdom tax losses	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	143
Tax Effected	36
Canada tax losses	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	17
Tax Effected	5
Canada tax credits	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	0
Tax Effected	5
Other subsidiaries tax losses	

Tax Credit Carryforward [Line Items]

Gross Tax Loss	66
Tax Effected	\$ 13

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Income Taxes - Unrecognized Tax Benefits, Including Attributable to Discontinued Operations (Details) - USD (\$)	12 Months Ended	
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023

Income Tax Expense (Benefit) [Rollforward]

Balance at January 1	\$ 32	\$ 35
Additions based on tax positions related to current year	1	1
Additions for tax positions of prior years	18	1
Reductions for tax positions of prior years	(1)	(1)
Settlements and agreements	(5)	0
Lapse of statute of limitations	(3)	(4)
Balance at December 31	\$ 42	\$ 32

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Retirement Benefits - Additional Information (Details) - USD (\$)	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Defined Benefit Plan Disclosure [Line Items]

Deferred compensation plan, employer percentage of matching	4.00%		
Deferred compensation plan, maximum employer contribution for board officers	\$ 50,000		
Defined contribution plan, expenses for material defined contribution plans	53,000,000	\$ 45,000,000	\$ 43,000,000
Defined contribution plan, discretionary matching contributions made during period	\$ 0	\$ 0	\$ 0

Pension Benefit Plans | United States

Defined Benefit Plan Disclosure [Line Items]

Years of service required	1 year		
Discount rate	5.70%	5.01%	5.20%

Company contributions	\$ 6,000,000	\$ 3,000,000	
Net periodic pension cost	(84,000,000)	(81,000,000)	\$ (64,000,000)
Actuarial present value of the future death benefits	\$ 3,755,000,000	\$ 3,928,000,000	\$ 3,809,000,000

[Pension Benefit Plans | Non U.S.](#)

[Defined Benefit Plan Disclosure \[Line Items\]](#)

Discount rate	5.07%	4.30%	4.60%
Company contributions	\$ 9,000,000	\$ 9,000,000	
Net periodic pension cost	(43,000,000)	(16,000,000)	\$ (51,000,000)
Actuarial present value of the future death benefits	\$ 1,163,000,000	\$ 1,347,000,000	1,207,000,000

[Postretirement Health Care Benefits Plan](#)

[Defined Benefit Plan Disclosure \[Line Items\]](#)

Retirement age	65 years		
Maximum annual participant subsidy (per participant)	\$ 560		
Discount rate	5.49%	4.92%	
Company contributions	\$ 0	\$ 0	
Net periodic pension cost	(3,000,000)	(3,000,000)	(6,000,000)
Actuarial present value of the future death benefits	105,000,000	96,000,000	103,000,000

[Split-dollar Life Insurance Arrangement](#)

[Defined Benefit Plan Disclosure \[Line Items\]](#)

Net periodic pension cost	3,000,000	5,000,000	\$ 5,000,000
Actuarial present value of the future death benefits	\$ 46,000,000	\$ 52,000,000	

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Retirement Benefits -	12 Months Ended		
Net Periodic Cost			
(Benefit) (Details) -	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
USD (\$)			
\$ in Millions			

[Postretirement Health Care Benefits Plan](#)

[Defined Benefit Plan Disclosure \[Line Items\]](#)

Service cost	\$ 0	\$ 0	\$ 0
Interest cost	4	5	2
Expected return on plan assets	(13)	(13)	(12)
Amortization of:			
Unrecognized net loss	3	2	4
Unrecognized prior service benefit	3	3	0
Net periodic cost (benefit)	(3)	(3)	(6)

[United States | Pension Benefit Plans](#)

[Defined Benefit Plan Disclosure \[Line Items\]](#)

Service cost	0	0	0
Interest cost	189	190	128
Expected return on plan assets	(298)	(293)	(254)
Amortization of:			
Unrecognized net loss	25	22	62
Unrecognized prior service benefit	0	0	0
Net periodic cost (benefit)	(84)	(81)	(64)

[Non U.S. | Pension Benefit Plans](#)

[Defined Benefit Plan Disclosure \[Line Items\]](#)

Service cost	1	1	1
Interest cost	57	56	29
Expected return on plan assets	(104)	(108)	(93)
Amortization of:			
Unrecognized net loss	6	37	14
Unrecognized prior service benefit	(3)	(2)	(2)
Net periodic cost (benefit)	\$ (43)	\$ (16)	\$ (51)

[XML 109 R92.htm IDEA: XBRL DOCUMENT](#)

Retirement Benefits -	12 Months Ended		
Status of the			
Company Plans	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
(Details) - USD (\$)			

[Components of prepaid \(accrued\) pension cost:](#)

Non-current benefit asset	\$ 162,000,000	\$ 98,000,000	

[Postretirement Health Care Benefits Plan](#)

[Change in benefit obligation:](#)

Benefit obligation at January 1	96,000,000	103,000,000	
Service cost	0	0	\$ 0
Interest cost	4,000,000	5,000,000	2,000,000
Plan amendments	0	0	
Actuarial loss (gain)	17,000,000	2,000,000	
Foreign exchange valuation adjustment	0	0	
Benefit payments	(12,000,000)	(14,000,000)	
Benefit obligation at December 31	105,000,000	96,000,000	103,000,000

[Change in plan assets:](#)

Fair value at January 1	134,000,000	134,000,000	
Return on plan assets	6,000,000	14,000,000	
Company contributions	0	0	
Foreign exchange valuation adjustment	0	0	
Benefit payments	(12,000,000)	(14,000,000)	
Fair value at December 31	128,000,000	134,000,000	134,000,000
Funded status of the plan	23,000,000	38,000,000	
Unrecognized net loss	88,000,000	68,000,000	
Unrecognized prior service benefit (cost)	41,000,000	44,000,000	
Prepaid pension cost	152,000,000	150,000,000	

[Components of prepaid \(accrued\) pension cost:](#)

Current benefit liability	0	0	
Non-current benefit liability	0	0	
Non-current benefit asset	23,000,000	38,000,000	
Deferred income taxes	35,000,000	31,000,000	
Accumulated other comprehensive loss	94,000,000	81,000,000	
Prepaid pension cost	152,000,000	150,000,000	

[United States | Pension Benefit Plans](#)

[Change in benefit obligation:](#)

Benefit obligation at January 1	3,928,000,000	3,809,000,000	
Service cost	0	0	0
Interest cost	189,000,000	190,000,000	128,000,000
Plan amendments	0	0	
Actuarial loss (gain)	(220,000,000)	59,000,000	
Foreign exchange valuation adjustment	0	0	
Benefit payments	(142,000,000)	(130,000,000)	
Benefit obligation at December 31	3,755,000,000	3,928,000,000	3,809,000,000

Change in plan assets:			
Fair value at January 1	3,273,000,000	3,076,000,000	
Return on plan assets	112,000,000	324,000,000	
Company contributions	6,000,000	3,000,000	
Foreign exchange valuation adjustment	0	0	
Benefit payments	(142,000,000)	(130,000,000)	
Fair value at December 31	3,249,000,000	3,273,000,000	3,076,000,000
Funded status of the plan	(506,000,000)	(655,000,000)	
Unrecognized net loss	1,635,000,000	1,695,000,000	
Unrecognized prior service benefit (cost)	0	0	
Prepaid pension cost	1,129,000,000	1,040,000,000	
Components of prepaid (accrued) pension cost:			
Current benefit liability	(3,000,000)	(2,000,000)	
Non-current benefit liability	(503,000,000)	(653,000,000)	
Non-current benefit asset	0	0	
Deferred income taxes	388,000,000	403,000,000	
Accumulated other comprehensive loss	1,247,000,000	1,292,000,000	
Prepaid pension cost	1,129,000,000	1,040,000,000	

Non U.S. | Pension Benefit Plans

Change in benefit obligation:			
Benefit obligation at January 1	1,347,000,000	1,207,000,000	
Service cost	1,000,000	1,000,000	1,000,000
Interest cost	57,000,000	56,000,000	29,000,000
Plan amendments	0	0	
Actuarial loss (gain)	(156,000,000)	62,000,000	
Foreign exchange valuation adjustment	(32,000,000)	66,000,000	
Benefit payments	(54,000,000)	(45,000,000)	
Benefit obligation at December 31	1,163,000,000	1,347,000,000	1,207,000,000

Change in plan assets:			
Fair value at January 1	1,172,000,000	1,092,000,000	
Return on plan assets	(23,000,000)	56,000,000	
Company contributions	9,000,000	9,000,000	
Foreign exchange valuation adjustment	(21,000,000)	60,000,000	
Benefit payments	(54,000,000)	(45,000,000)	
Fair value at December 31	1,083,000,000	1,172,000,000	\$ 1,092,000,000
Funded status of the plan	(80,000,000)	(175,000,000)	
Unrecognized net loss	796,000,000	829,000,000	
Unrecognized prior service benefit (cost)	(64,000,000)	(67,000,000)	
Prepaid pension cost	652,000,000	587,000,000	

Components of prepaid (accrued) pension cost:			
Current benefit liability	0	0	
Non-current benefit liability	(194,000,000)	(210,000,000)	
Non-current benefit asset	114,000,000	35,000,000	
Deferred income taxes	95,000,000	102,000,000	
Accumulated other comprehensive loss	637,000,000	660,000,000	
Prepaid pension cost	\$ 652,000,000	\$ 587,000,000	

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Retirement Benefits -	12 Months Ended		
Weighted Average			
Actuarial			
Assumptions Used to	Dec. 31, 2024	Dec. 31, 2023	
Determine Costs for			
the Plans (Details)			

Pension Benefit Plans | United States

Defined Benefit Plan Disclosure [Line Items]

Discount rate	4.90%	5.09%	
Investment return assumption	7.74%	7.87%	

Pension Benefit Plans | Non U.S.

Defined Benefit Plan Disclosure [Line Items]

Discount rate	4.27%	4.68%	
Investment return assumption	5.84%	6.18%	

Postretirement Health Care Benefits Plan

Defined Benefit Plan Disclosure [Line Items]

Discount rate	4.89%	5.05%	
Investment return assumption	8.30%	8.00%	

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Retirement Benefits -	Dec. 31, 2024		
Weighted Average			
Actuarial			
Assumptions Used to	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Determine Benefit			
Obligations for the			
Plans (Details)			

Pension Benefit Plans | United States

Defined Benefit Plan Disclosure [Line Items]

Discount rate	5.70%	5.01%	5.20%

Pension Benefit Plans | Non U.S.

Defined Benefit Plan Disclosure [Line Items]

Discount rate	5.07%	4.30%	4.60%
Future compensation increase rate	0.67%	0.67%	

Postretirement Health Care Benefits Plan

Defined Benefit Plan Disclosure [Line Items]

Discount rate	5.49%	4.92%	

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Retirement Benefits -	Dec. 31, 2024		
Accumulated and			
Projected Benefit			
Obligations for the	Dec. 31, 2024	Dec. 31, 2023	
Plans (Details) -			
Pension Benefit Plans			
- USD (\$)			
\$ in Millions			

United States

Defined Benefit Plan Disclosure [Line Items]

Accumulated benefit obligation	\$ 3,755	\$ 3,928	
Projected benefit obligation	3,755	3,928	
Fair value of plan assets	3,249	3,273	

Non U.S.

Defined Benefit Plan Disclosure [Line Items]

Accumulated benefit obligation	1,162	1,346	
Projected benefit obligation	1,163	1,347	

Fair value of plan assets \$ 1,083 \$ 1,172

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Retirement Benefits -		
Plan Target and		
Actual Asset		
Allocation (Details)		
Dec. 31, 2024 Dec. 31, 2023		
Equity securities All Pension Benefit Plans		
Defined Benefit Plan Disclosure [Line Items]		
Target Mix	23.00%	26.00%
Actual Mix	22.00%	26.00%
Equity securities Postretirement Health Care Benefits Plan		
Defined Benefit Plan Disclosure [Line Items]		
Target Mix	25.00%	28.00%
Actual Mix	24.00%	28.00%
Fixed income securities All Pension Benefit Plans		
Defined Benefit Plan Disclosure [Line Items]		
Target Mix	61.00%	56.00%
Actual Mix	60.00%	56.00%
Fixed income securities Postretirement Health Care Benefits Plan		
Defined Benefit Plan Disclosure [Line Items]		
Target Mix	57.00%	51.00%
Actual Mix	56.00%	52.00%
Cash and other investments All Pension Benefit Plans		
Defined Benefit Plan Disclosure [Line Items]		
Target Mix	16.00%	18.00%
Actual Mix	18.00%	18.00%
Cash and other investments Postretirement Health Care Benefits Plan		
Defined Benefit Plan Disclosure [Line Items]		
Target Mix	18.00%	21.00%
Actual Mix	20.00%	20.00%

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Retirement Benefits -	
Expected Future	
Benefit Payments	
(Details)	
\$ in Millions	
Dec. 31, 2024	
USD (\$)	

Postretirement Health Care Benefits Plan	
Defined Benefit Plan Disclosure [Line Items]	
2025	\$ 14
2026	14
2027	13
2028	12
2029	11
2030-2034	41
United States Pension Benefit Plans	
Defined Benefit Plan Disclosure [Line Items]	
2025	172
2026	189
2027	206
2028	224
2029	241
2030-2034	1,365
Non U.S. Pension Benefit Plans	
Defined Benefit Plan Disclosure [Line Items]	
2025	54
2026	55
2027	57
2028	58
2029	59
2030-2034	\$ 306

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Share-Based Compensation and Other Incentive Plans - Additional Information (Details) \$ / shares in Units, shares in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
	USD (\$)	USD (\$)	USD (\$)
	purchase_period \$ / shares shares	\$ / shares shares	\$ / shares
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Weighted average contractual life for options outstanding	5 years		
Weighted average contractual life for options exercisable	4 years		
Shares available for future share-based award grants under the current compensation plan (in shares) shares	6.0	7.2	
Cash received from stock option exercises and the employee stock purchase plan	\$ 75,000,000	\$ 104,000,000	\$ 156,000,000
Share-based compensation expense, net of forfeitures	243,000,000	212,000,000	172,000,000
Motorola Incentive Plan			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Share-based compensation expense, net of forfeitures	\$ 218,000,000	205,000,000	165,000,000
Long Range Incentive Plan			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Award vesting period	3 years		
Share-based compensation expense, net of forfeitures	\$ 0	\$ 0	\$ 4,000,000
Stock Options and Stock Appreciation Rights			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Option exercise price not less than value of common stock	100.00%		
Change of control condition	24 months		
Stock Options and Stock Appreciation Rights Minimum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Award expiration period	5 years		
Award vesting period	2 years		
Stock Options and Stock Appreciation Rights Maximum			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Award expiration period	10 years		
Award vesting period	3 years		
RSU's			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Change of control condition	24 months		
Forfeiture rate	15.00%		
Performance Options			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Option exercise price not less than value of common stock	100.00%		

Award expiration period	10 years		
Award performance period	3 years		
Estimated fair value of granted shares (USD per share) \$ / shares	\$ 141.51	\$ 122.55	\$ 84.73
Market Stock Units			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Award vesting period	3 years		
Market stock units, minimum payout factor	60.00%		
Market stock units, maximum payout factor	200.00%		
Market stock units payout factor, threshold consecutive calendar days	30 days		
Estimated fair value of granted shares (USD per share) \$ / shares	\$ 396.90	299.32	244.13
Performance Stock Units			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Award vesting period	3 years		
Award performance period	3 years		
Estimated fair value of granted shares (USD per share) \$ / shares	\$ 515.85	348.27	249.51
Employee Stock			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
ESPP common stock payroll deductions after-tax, maximum percentage	20.00%		
Maximum annual limit for purchase of stock under ESPP	\$ 25,000		
Purchase under ESPP lower than fair market value, percentage	85.00%		
Number of purchase periods per year purchase period	2		
Shares purchased by employees (in shares) shares	0.4		
Unrecognized compensation expense	\$ 5,000,000		
Employee Stock October 1st through March 31st			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Purchase price paid by employees (USD per share) \$ / shares	\$ 231.98	194.62	199.16
Employee Stock April 1st through September 30th			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Purchase price paid by employees (USD per share) \$ / shares	300.55	231.40	190.37
Employee Stock Option			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Purchase price paid by employees (USD per share) \$ / shares	175		
Weighted-average estimated fair value of employee stock options granted (USD per share) \$ / shares	\$ 92.20	\$ 73.04	\$ 67.18
Estimated option fair value forfeiture rate	10.00%		
Share based awards			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Unrecognized compensation expense	\$ 431,000,000		
Unrecognized compensation expense, period for recognition	3 years		
Aggregate fair value of outstanding RSUs	\$ 629,000,000		
Equity Option			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Total intrinsic value of options exercised	164,000,000	\$ 152,000,000	\$ 292,000,000
Aggregate intrinsic value for options outstanding	664,000,000		
Aggregate intrinsic value for options exercisable	\$ 567,000,000		
Share price (USD per share) \$ / shares	\$ 462.23		

XML 116 R99.htm
IDEA: XBRL DOCUMENT

Share-Based Compensation and Other Incentive Plans - Valuation Assumptions (Details)	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Employee Stock Option			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility of common stock	21.40%	24.40%	29.20%
Risk-free interest rate	4.30%	4.20%	2.50%
Dividend yield	1.40%	1.60%	1.90%
Expected life (years)	5 years 10 months 24 days	5 years 10 months 24 days	6 years 7 months 6 days
Performance Options			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility of common stock	21.70%	25.10%	29.70%
Expected volatility of the S&P 500	30.50%	33.30%	39.20%
Risk-free interest rate	4.30%	4.10%	2.00%
Dividend yield	1.40%	1.70%	2.00%
Expected life (years)	6 years 6 months	6 years 6 months	6 years 6 months
Market Stock Units			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility of common stock	21.70%	25.10%	29.70%
Risk-free interest rate	4.40%	4.50%	1.90%
Dividend yield	1.30%	1.50%	1.60%
Performance Stock Units			
Share-based Compensation Arrangement by Share-based Payment Award [Line Items]			
Expected volatility of common stock	21.70%	25.10%	29.70%
Expected volatility of the S&P 500	30.80%	33.30%	39.20%
Risk-free interest rate	4.30%	4.60%	1.80%
Dividend yield	1.10%	1.40%	1.60%

XML 117 R100.htm
IDEA: XBRL DOCUMENT

Share-Based Compensation and Other Incentive Plans - Stock Options Outstanding and Exercisable (Details) shares in Thousands	12 Months Ended		
	Dec. 31, 2024		
	\$ / shares		
Options Outstanding			
No. of options (in shares) shares	2,222		
Wtd. avg. contractual life	5 years		
Options Exercisable			
No. of options (in shares) shares	1,674		
Wtd. avg. contractual life	4 years		
\$1-\$100			
Share-based Payment Arrangement, Option, Exercise Price Range [Line Items]			
Exercise price range, minimum (USD per share)	\$ 1		
Exercise price range, maximum (USD per share)	\$ 100		
Options Outstanding			
No. of options (in shares) shares	713		
Wtd. avg. Exercise Price (USD per share)	\$ 77		
Wtd. avg. contractual life	2 years		
Options Exercisable			
No. of options (in shares) shares	713		

Wtd. avg. Exercise Price (USD per share)	\$ 77
Wtd. avg. contractual life	2 years
\$101-\$200	
Share-based Payment Arrangement, Option, Exercise Price Range [Line Items]	
Exercise price range, minimum (USD per share)	\$ 101
Exercise price range, maximum (USD per share)	\$ 200
Options Outstanding	
No. of options (in shares) shares	866
Wtd. avg. Exercise Price (USD per share)	\$ 148
Wtd. avg. contractual life	5 years
Options Exercisable	
No. of options (in shares) shares	866
Wtd. avg. Exercise Price (USD per share)	\$ 148
Wtd. avg. contractual life	5 years
\$201-\$300	
Share-based Payment Arrangement, Option, Exercise Price Range [Line Items]	
Exercise price range, minimum (USD per share)	\$ 201
Exercise price range, maximum (USD per share)	\$ 300
Options Outstanding	
No. of options (in shares) shares	430
Wtd. avg. Exercise Price (USD per share)	\$ 244
Wtd. avg. contractual life	8 years
Options Exercisable	
No. of options (in shares) shares	90
Wtd. avg. Exercise Price (USD per share)	\$ 239
Wtd. avg. contractual life	7 years
\$301-\$400	
Share-based Payment Arrangement, Option, Exercise Price Range [Line Items]	
Exercise price range, minimum (USD per share)	\$ 301
Exercise price range, maximum (USD per share)	\$ 400
Options Outstanding	
No. of options (in shares) shares	200
Wtd. avg. Exercise Price (USD per share)	\$ 342
Wtd. avg. contractual life	9 years
Options Exercisable	
No. of options (in shares) shares	5
Wtd. avg. Exercise Price (USD per share)	\$ 334
Wtd. avg. contractual life	9 years
\$401 and over	
Share-based Payment Arrangement, Option, Exercise Price Range [Line Items]	
Exercise price range, minimum (USD per share)	\$ 401
Options Outstanding	
No. of options (in shares) shares	13
Wtd. avg. Exercise Price (USD per share)	\$ 482
Wtd. avg. contractual life	9 years
Options Exercisable	
No. of options (in shares) shares	0
Wtd. avg. Exercise Price (USD per share)	\$ 0
Wtd. avg. contractual life	8 years

XML 118 R101.htm IDEA: XBRL DOCUMENT

Share-Based Compensation and Other Incentive Plans	12 Months Ended
- Options, Performance Options, RSUs, and Market Stock Units (Details) shares in Thousands	Dec. 31, 2024 \$ / shares shares
No. of Options Outstanding	
Balance at end of period (in shares)	2,222
Awards exercisable (in shares)	1,674
Stock Options	
No. of Options Outstanding	
Balance at end of period (in shares)	566
Granted (in shares)	106
Releases/Exercised (in shares)	(175)
Forfeited/Canceled (in shares)	(6)
Balance at end of period (in shares)	491
Awards exercisable (in shares)	275
Wtd. Avg. Exercise Price of Shares	
Balance at end of period (USD per share) \$ / shares	\$ 191
Granted (USD per share) \$ / shares	360
Releases/Exercised (USD per share) \$ / shares	175
Forfeited/Canceled (USD per share) \$ / shares	314
Balance at end of period (USD per share) \$ / shares	230
Awards exercisable (USD per share) \$ / shares	\$ 174
Restricted Stock Units	
No. of Non-Vested Awards	
Balance at beginning of period (in shares)	1,342
Granted (in shares)	582
Releases/Exercised (in shares)	(601)
Forfeited/Canceled (in shares)	(48)
Balance at end of period (in shares)	1,275
Awards exercisable (in shares)	0
Wtd. Avg. Grant Date Fair Value	
Outstanding at beginning of period (USD per share) \$ / shares	\$ 224
Granted (USD per share) \$ / shares	340
Releases/Exercised (USD per share) \$ / shares	225
Forfeited/Canceled (USD per share) \$ / shares	268
Outstanding at end of period (USD per share) \$ / shares	275
Awards exercisable (USD per share) \$ / shares	\$ 0
Restricted Stock	
No. of Non-Vested Awards	
Balance at beginning of period (in shares)	85
Granted (in shares)	65
Releases/Exercised (in shares)	(85)
Forfeited/Canceled (in shares)	0
Balance at end of period (in shares)	65
Awards exercisable (in shares)	0

Wtd. Avg. Grant Date Fair Value	
Outstanding at beginning of period (USD per share) \$ / shares	\$ 244
Granted (USD per share) \$ / shares	397
Releases/Exercised (USD per share) \$ / shares	244
Forfeited/Canceled (USD per share) \$ / shares	0
Outstanding at end of period (USD per share) \$ / shares	397
Awards exercisable (USD per share) \$ / shares	\$ 0
Performance Options	

No. of Non-Vested Awards	
Balance at beginning of period (in shares)	1,798
Granted (in shares)	104
Releases/Exercised (in shares)	(316)
Adjustment for payout factor (in shares)	147
Forfeited/Canceled (in shares)	(2)
Balance at end of period (in shares)	1,731
Awards exercisable (in shares)	1,399

Wtd. Avg. Grant Date Fair Value	
Outstanding at beginning of period (USD per share) \$ / shares	\$ 122
Granted (USD per share) \$ / shares	343
Releases/Exercised (USD per share) \$ / shares	101
Adjustment for payout factor (USD per share) \$ / shares	179
Forfeited/Canceled (USD per share) \$ / shares	179
Outstanding at end of period (USD per share) \$ / shares	144
Awards exercisable (USD per share) \$ / shares	\$ 113
Market Stock Units	

No. of Non-Vested Awards	
Balance at beginning of period (in shares)	89
Granted (in shares)	37
Releases/Exercised (in shares)	(69)
Adjustment for payout factor (in shares)	23
Forfeited/Canceled (in shares)	(1)
Balance at end of period (in shares)	79
Awards exercisable (in shares)	0

Wtd. Avg. Grant Date Fair Value	
Outstanding at beginning of period (USD per share) \$ / shares	\$ 254
Granted (USD per share) \$ / shares	397
Releases/Exercised (USD per share) \$ / shares	230
Adjustment for payout factor (USD per share) \$ / shares	179
Forfeited/Canceled (USD per share) \$ / shares	185
Outstanding at end of period (USD per share) \$ / shares	331
Awards exercisable (USD per share) \$ / shares	\$ 0
Performance Stock Units	

No. of Non-Vested Awards	
Balance at beginning of period (in shares)	213
Granted (in shares)	132
Releases/Exercised (in shares)	(147)
Adjustment for payout factor (in shares)	74
Forfeited/Canceled (in shares)	(8)
Balance at end of period (in shares)	264
Awards exercisable (in shares)	0

Wtd. Avg. Grant Date Fair Value	
Outstanding at beginning of period (USD per share) \$ / shares	\$ 264
Granted (USD per share) \$ / shares	514
Releases/Exercised (USD per share) \$ / shares	335
Adjustment for payout factor (USD per share) \$ / shares	321
Forfeited/Canceled (USD per share) \$ / shares	316
Outstanding at end of period (USD per share) \$ / shares	407
Awards exercisable (USD per share) \$ / shares	\$ 0

XML 119 R102.htm
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Share-Based Compensation and Other Incentive Plans - Schedule of Compensation Expense (Details) - USD (\$) \$ / shares in Units, \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Employee Service
Share-based Compensation, Allocation of Recognized Period Costs
Line Items

Share-based compensation expense included in Operating earnings	\$ 243	\$ 212	\$ 172
Tax benefit	51	43	34
Share-based compensation expense, net of tax	\$ 192	\$ 169	\$ 138
Decrease in basic earnings per share (USD per share)	\$ (1.15)	\$ (1.01)	\$ (0.82)
Decrease in diluted earnings per share (USD per share)	\$ (1.12)	\$ (0.98)	\$ (0.80)
Costs of sales			

Employee Service
Share-based Compensation, Allocation of Recognized Period Costs
Line Items

Share-based compensation expense included in Operating earnings	\$ 48	\$ 40	\$ 28
Selling, general and administrative expenses			

Employee Service
Share-based Compensation, Allocation of Recognized Period Costs
Line Items

Share-based compensation expense included in Operating earnings	132	116	98
Research and development expenditures			

Employee Service
Share-based Compensation, Allocation of Recognized Period Costs
Line Items

Share-based compensation expense included in Operating earnings	\$ 63	\$ 56	\$ 46

XML 120 R103.htm
IDEA: XBRL DOCUMENT

Fair Value Measurements - Investments and Derivatives (Details) - USD (\$) \$ in Millions	Dec. 31, 2024		Dec. 31, 2023

Assets:			
Common stock and equivalents	\$ 23	\$ 28	
Recurring Common stock and equivalents			

Assets:			
Common stock and equivalents	23	28	
Recurring Foreign exchange derivative contracts			

Assets:			
Derivative assets	10	13	
Liabilities:			
Derivative liabilities	9	4	

Recurring Equity Swap		
Liabilities:		
Derivative liabilities	1	
Recurring Equity Swap Estimate of Fair Value Measurement		
Assets:		
Derivative assets	1	
Recurring Treasury rate lock Estimate of Fair Value Measurement		
Liabilities:		
Derivative liabilities	12	
Level 1 Recurring Common stock and equivalents		
Assets:		
Common stock and equivalents	23	28
Level 1 Recurring Foreign exchange derivative contracts		
Assets:		
Derivative assets	0	0
Liabilities:		
Derivative liabilities	0	0
Level 1 Recurring Equity Swap		
Assets:		
Derivative assets	1	
Liabilities:		
Derivative liabilities	1	
Level 1 Recurring Treasury rate lock		
Liabilities:		
Derivative liabilities	0	
Level 2 Recurring Common stock and equivalents		
Assets:		
Common stock and equivalents	0	0
Level 2 Recurring Foreign exchange derivative contracts		
Assets:		
Derivative assets	10	13
Liabilities:		
Derivative liabilities	9	4
Level 2 Recurring Equity Swap		
Assets:		
Derivative assets	0	
Liabilities:		
Derivative liabilities	\$ 0	
Level 2 Recurring Treasury rate lock		
Liabilities:		
Derivative liabilities		\$ 12

XML 121 R104.htm
IDEA: XBRL DOCUMENT

Fair Value			
Measurements - U.S.			
Pension Benefit Plans			
(Details) - Pension			
Benefit Plans -	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
UNITED STATES -			
USD (\$)			
\$ in Millions			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	\$ 3,249	\$ 3,273	\$ 3,076
Recurring			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	3,249	3,273	
Recurring Total investment securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	3,071	3,232	
Recurring Equities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	23	27	
Recurring Commingled funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	1,443	1,709	
Recurring Government fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	239	192	
Recurring Corporate fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	905	894	
Recurring Short-term investment funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	258	253	
Recurring Private assets			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	203	157	
Recurring Accrued income receivable			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	162	23	
Recurring Cash			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	16	18	
Recurring Level 1 Total investment securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	1,320	1,510	
Recurring Level 1 Equities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	23	27	
Recurring Level 1 Commingled funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	1,039	1,230	
Recurring Level 1 Government fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	0	0	
Recurring Level 1 Corporate fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	0	0	
Recurring Level 1 Short-term investment funds			

Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	258	253
Recurring Level 1 Private assets		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 2 Total investment securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	1,548	1,565
Recurring Level 2 Equities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 2 Commingled funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	404	479
Recurring Level 2 Government fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	239	192
Recurring Level 2 Corporate fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	905	894
Recurring Level 2 Short-term investment funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 2 Private assets		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 3 Total investment securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	203	157
Recurring Level 3 Equities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 3 Commingled funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 3 Government fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 3 Corporate fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 3 Short-term investment funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 3 Private assets		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	\$ 203	\$ 157

XML 122 R105.htm IDEA: XBRL DOCUMENT

Fair Value	12 Months Ended
Measurements -	
Changes in Fair Value	
of Level 3 Assets	Dec. 31, 2024
(Details) - Level 3 -	USD (\$)
Pension Benefit Plans	
\$ in Millions	

UNITED STATES

Change in plan assets:

Beginning balance	\$ 157
Actual return on plan assets	22
Purchases	24
Ending balance	203

Non U.S.

Change in plan assets:

Beginning balance	7
Purchases	1
Ending balance	\$ 8

XML 123 R106.htm IDEA: XBRL DOCUMENT

Fair Value			
Measurements - Non-			
U.S. Pension Benefit			
Plans (Details) -	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Pension Benefit Plans			
- Non U.S. - USD (\$)			
\$ in Millions			

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	\$ 1,083	\$ 1,172	\$ 1,092
Recurring			

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	1,083	1,172
Recurring Total investment securities		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	995	1,104
Recurring Equities		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	53	60
Recurring Commingled funds		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	271	321
Recurring Government fixed income securities		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	615	663
Recurring Short-term investment funds		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	56	60
Recurring Cash		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	4	5
Recurring Accrued income receivable		

Defined Benefit Plan Disclosure [Line Items]

Fair value plan assets	42	16
Recurring Insurance contracts		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	42	47
Recurring Level 1 Total investment securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	345	409
Recurring Level 1 Equities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	53	60
Recurring Level 1 Commingled funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	236	289
Recurring Level 1 Government fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 1 Short-term investment funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	56	60
Recurring Level 2 Total investment securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	650	695
Recurring Level 2 Equities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Recurring Level 2 Commingled funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	35	32
Recurring Level 2 Government fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	615	663
Recurring Level 2 Short-term investment funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	\$ 0	\$ 0

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Fair Value Measurements - Postretirement Health Care Plan (Details) - Postretirement Health Care Benefits Plan - USD (\$) \$ in Millions	Dec. 31, 2024 Dec. 31, 2023 Dec. 31, 2022

Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	\$ 128	\$ 134	\$ 134
Recurring			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	128	134	
Recurring Total investment securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	122	133	
Recurring Equities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	1	1	
Recurring Commingled funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	56	69	
Recurring Government fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	10	8	
Recurring Corporate fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	37	38	
Recurring Short-term investment funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	10	10	
Recurring Private assets			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	8	7	
Recurring Accrued income receivable			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	6	1	
Level 1 Recurring Total investment securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	51	60	
Level 1 Recurring Equities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	1	1	
Level 1 Recurring Commingled funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	40	49	
Level 1 Recurring Government fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	0	0	
Level 1 Recurring Corporate fixed income securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	0	0	
Level 1 Recurring Short-term investment funds			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	10	10	
Level 1 Recurring Private assets			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	0	0	
Level 2 Recurring Total investment securities			
Defined Benefit Plan Disclosure [Line Items]			
Fair value plan assets	63	66	
Level 2 Recurring Equities			
Defined Benefit Plan Disclosure [Line Items]			

Fair value plan assets	0	0
Level 2 Recurring Commingled funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	16	20
Level 2 Recurring Government fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	10	8
Level 2 Recurring Corporate fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	37	38
Level 2 Recurring Short-term investment funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 2 Recurring Private assets		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 3 Recurring Total investment securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	8	7
Level 3 Recurring Equities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 3 Recurring Commingled funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 3 Recurring Government fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 3 Recurring Corporate fixed income securities		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 3 Recurring Short-term investment funds		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	0	0
Level 3 Recurring Private assets		
Defined Benefit Plan Disclosure [Line Items]		
Fair value plan assets	\$ 8	\$ 7

<u>XML 125 R108.htm IDEA: XBRL DOCUMENT</u>		
Fair Value Measurements - Additional Information (Details) - USD (\$)		
\$ in Millions		
	Dec. 31, 2024	Dec. 31, 2023

Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Investments in money market mutual funds classified as cash and cash equivalents	\$ 1,200	\$ 863
Recurring Level 2 Senior Debt Obligations		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Long-term debt		1,600
Recurring Fair Value Level 2		
Fair Value, Assets and Liabilities Measured on Recurring and Nonrecurring Basis [Line Items]		
Long-term debt	\$ 5,800	\$ 6,400

<u>XML 126 R109.htm IDEA: XBRL DOCUMENT</u>		
Long-term Financing and Sales of Receivables - Summary (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023
\$ in Millions		

Receivables [Abstract]		
Long-term receivables, gross	\$ 65	\$ 36
Less allowance for losses	(2)	(2)
Long-term receivables	63	34
Less current portion	(22)	(13)
Non-current long-term receivables	\$ 41	\$ 21

<u>XML 127 R110.htm IDEA: XBRL DOCUMENT</u>			
Long-term Financing and Sales of Receivables - Additional Information (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Receivables [Abstract]			
Interest income recognized on long-term receivables	\$ 1,000,000	\$ 0	\$ 1,000,000
Commitments to provide long-term financing	105,000,000	103,000,000	
Servicing obligations for long-term receivables	\$ 794,000,000	\$ 813,000,000	

<u>XML 128 R111.htm IDEA: XBRL DOCUMENT</u>			
Long-term Financing and Sales of Receivables - Proceeds Received from Non-Recourse Sales of Accounts Receivable and Long-Term Receivables (Details) - USD (\$)	12 Months Ended		
\$ in Millions	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Receivables [Abstract]			
Contract-specific discounting facility	\$ 0	\$ 0	\$ 49
Accounts receivable sales proceeds	15	96	179
Long-term receivables sales proceeds	205	182	204
Total proceeds from receivable sales	\$ 220	\$ 278	\$ 432

<u>XML 129 R112.htm IDEA: XBRL DOCUMENT</u>			
Long-term Financing and Sales of Receivables - Credit Quality of Long-Term Receivables and Allowance for Credit Losses (Details) - USD (\$)	Dec. 31, 2024	Dec. 31, 2023	
\$ in Millions			

Debt Instrument [Line Items]		
Total Long-term Receivable	\$ 65	\$ 36
Financing receivables	22	13
Current Billed Due		
Debt Instrument [Line Items]		
Financing receivables	5	2
Past Due Under 90 Days		
Debt Instrument [Line Items]		
Financing receivables	1	1
Past Due Over 90 Days		
Debt Instrument [Line Items]		
Financing receivables	2	2
Municipal leases secured tax exempt		
Debt Instrument [Line Items]		
Total Long-term Receivable	31	15
Municipal leases secured tax exempt Current Billed Due		
Debt Instrument [Line Items]		
Financing receivables	2	1
Municipal leases secured tax exempt Past Due Under 90 Days		
Debt Instrument [Line Items]		
Financing receivables	1	1
Municipal leases secured tax exempt Past Due Over 90 Days		
Debt Instrument [Line Items]		
Financing receivables	1	1
Commercial loans and leases secured		
Debt Instrument [Line Items]		
Total Long-term Receivable	34	21
Commercial loans and leases secured Current Billed Due		
Debt Instrument [Line Items]		
Financing receivables	3	1
Commercial loans and leases secured Past Due Under 90 Days		
Debt Instrument [Line Items]		
Financing receivables	0	0
Commercial loans and leases secured Past Due Over 90 Days		
Debt Instrument [Line Items]		
Financing receivables	\$ 1	\$ 1

XML 130 R113.htm
IDEA: XBRL DOCUMENT

Commitments and Contingencies (Details) \$ in Millions	12 Months Ended												
	Nov. 26, 2024 USD (\$)	Jul. 02, 2024 USD (\$)	Dec. 22, 2022 USD (\$)	Feb. 11, 2022 USD (\$) segment	Aug. 10, 2021 USD (\$)	Jan. 08, 2021 USD (\$)	Feb. 14, 2020 USD (\$)	Dec. 31, 2024 USD (\$)	Dec. 31, 2023 USD (\$)	Dec. 31, 2022 USD (\$)	Jan. 13, 2025 felony	Sep. 01, 2023 USD (\$)	Oct. 15, 2021 USD (\$)
Purchase Obligation, Fiscal Year Maturity [Abstract]													
Total payments expected under purchase arrangements								\$ 713.0					
Total payments expected in 2025								151.0					
Total payments expected in 2026								159.0					
Total payments expected in 2027								159.0					
Total payments expected in 2028								130.0					
Total payments expected in 2029								112.0					
Total payments expected after 2029								2.0					
Subsequent Event													
Purchase Obligation, Fiscal Year Maturity [Abstract]													
Number of felonies felony											1		
Hytera Litigation													
Purchase Obligation, Fiscal Year Maturity [Abstract]													
Compensatory damages								\$ 345.8					
Punitive damages								418.8					
Litigation settlement awarded						\$ 543.7		\$ 764.6					
Pre-judgement interest amount					\$ 51.1								
Settlement cost					\$ 2.6								
Attorneys' fees													\$ 34.2
Escrow deposit												\$ 56.0	
Legal settlements	\$ 61.0												
Gain on Hytera litigation													
Purchase Obligation, Fiscal Year Maturity [Abstract]													
Litigation settlement awarded		\$ 407.4											
Legal settlements								\$ 61.0	\$ 0.0	\$ 15.0			
Gain on Hytera litigation Copyright Infringement Damages													
Purchase Obligation, Fiscal Year Maturity [Abstract]													
Litigation settlement awarded		\$ 136.3											
Hytera Litigation Settlement													
Purchase Obligation, Fiscal Year Maturity [Abstract]													
Legal entities segment				2									
Legal settlements			\$ 2.0	\$ 13.0									

XML 131 R114.htm
IDEA: XBRL DOCUMENT

Information by Segment and Geographic Region - Additional Information (Details) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
	USD (\$) segment	USD (\$)	USD (\$)
Segment Reporting Information [Line Items]			
Number of reportable segments segment	2		
Net sales	\$ 10,817	\$ 9,978	\$ 9,112
Products and Systems Integration			
Segment Reporting Information [Line Items]			
Net sales	\$ 6,883	6,242	5,728
Products and Systems Integration Sales Revenue, Segment Product Concentration Risk			
Segment Reporting Information [Line Items]			
Percentage of net sales	64.00%		
Software and Services			
Segment Reporting Information [Line Items]			

Net sales \$ 3,934 \$ 3,736 \$ 3,384

Software and Services | Sales Revenue, Segment | Product Concentration Risk

Segment Reporting Information [Line Items]

Percentage of net sales 36.00%

XML 132 R115.htm IDEA: XBRL DOCUMENT

Information by Segment and Geographic Region - Net Sales and Operating Earnings by Segment (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Segment Reporting Information [Line Items]

Net sales	\$ 10,817	\$ 9,978	\$ 9,112
Costs of sales	5,305	5,008	4,883
Gross margin	5,512	4,970	4,229
Research and development expenditures	917	858	779
Selling, general and administrative expenses	1,752	1,561	1,450
Other charges	155	257	339
Operating earnings	2,688	2,294	1,661
Total other expense	(716)	(148)	(146)
Net earnings before income taxes	1,972	2,146	1,515

Products and Systems Integration

Segment Reporting Information [Line Items]

Net sales	6,883	6,242	5,728
Costs of sales	3,215	3,115	3,060
Gross margin	3,668	3,127	2,668
Research and development expenditures	575	551	503
Selling, general and administrative expenses	1,392	1,239	1,156
Other charges	25	94	96
Operating earnings	1,676	1,244	913

Software and Services

Segment Reporting Information [Line Items]

Net sales	3,934	3,736	3,384
Costs of sales	2,090	1,893	1,823
Gross margin	1,844	1,843	1,561
Research and development expenditures	342	307	276
Selling, general and administrative expenses	360	322	294
Other charges	130	163	243
Operating earnings	\$ 1,012	\$ 1,050	\$ 748

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Information by Segment and Geographic Region - Corporate Related Expenses and Assets (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Segment Reporting Information [Line Items]

Capital Expenditures	\$ 257	\$ 253	\$ 256
Depreciation Expense	184	179	183

Products and Systems Integration

Segment Reporting Information [Line Items]

Capital Expenditures	103	97	77
Depreciation Expense	90	83	79

Software and Services

Segment Reporting Information [Line Items]

Capital Expenditures	154	156	179
Depreciation Expense	\$ 94	\$ 96	\$ 104

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Information by Segment and Geographic Region - Geographic Area Information (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

Revenues from External Customers and Long-Lived Assets [Line Items]

Net Sales	\$ 10,817	\$ 9,978	\$ 9,112
Assets	14,595	13,336	12,814
United States			

Revenues from External Customers and Long-Lived Assets [Line Items]

Net Sales	7,432	6,559	6,008
Assets	11,456	10,207	9,227
United Kingdom			

Revenues from External Customers and Long-Lived Assets [Line Items]

Net Sales	572	769	789
Assets	2,190	2,034	2,321
Canada			

Revenues from External Customers and Long-Lived Assets [Line Items]

Net Sales	388	373	366
Assets	383	362	394
Other			

Revenues from External Customers and Long-Lived Assets [Line Items]

Net Sales	2,425	2,277	1,949
Assets	\$ 566	\$ 733	\$ 872

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Reorganization of Businesses - Additional Information (Details) \$ in Millions	12 Months Ended		
	Dec. 31, 2024 USD (\$) employee	Dec. 31, 2023 USD (\$) employee	Dec. 31, 2022 USD (\$)

Restructuring Cost and Reserve [Line Items]

Reorganization of business charges	\$ 38	\$ 53	\$ 36
Adjustments	10	12	(10)
Restructuring reserve	28	28	36
Exit of video manufacturing operations	\$ 0	24	0
Number of employees expected to be separated (in number of employees) employee	140		
Costs of sales			

Restructuring Cost and Reserve [Line Items]				
Reorganization of business charges	\$ 12	7		18
Other charges				
Restructuring Cost and Reserve [Line Items]				
Reorganization of business charges	26	46		18
Employee separation costs				
Restructuring Cost and Reserve [Line Items]				
Reorganization of business charges	\$ 48	\$ 41		36
Restructuring charges in the period for total employee severance (in number of employees) employee	720	700		
Restructuring charges in the period for direct employees' severance (in number of employees) employee	460	420		
Restructuring charges in the period for indirect employees' severance (in number of employees) employee	260	280		
Exit costs				
Restructuring Cost and Reserve [Line Items]				
Reorganization of business charges	\$ 0			
Adjustments	4			
Restructuring reserve	\$ 1	\$ 5		
Exit of video manufacturing operations		5		10
Other Restructuring				
Restructuring Cost and Reserve [Line Items]				
Reorganization of business charges		24		
Exit Costs				
Restructuring Cost and Reserve [Line Items]				
Reorganization of business charges		0		
Adjustments		5		
Restructuring reserve		\$ 5		\$ 1

Business Acquisition [Line Items]		
Intangible assets	\$ 4	
Intangible assets estimated useful lives	7 years	
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 91	
Share value	\$ 19	
Share-based compensation arrangement, award requisite service period	3 years	
Goodwill	\$ 50	
Intangible assets	53	
Net liabilities	12	
Noggin Trade names		
Business Acquisition [Line Items]		
Intangible assets	\$ 1	
Intangible assets estimated useful lives	3 years	
Noggin Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 45	
Intangible assets estimated useful lives	13 years	
Noggin Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 7	
Intangible assets estimated useful lives	15 years	
Vehicle Location And Management Solutions		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 132	
Share value	\$ 3	
Share-based compensation arrangement, award requisite service period	3 years	
Goodwill	\$ 62	
Intangible assets	65	
Net liabilities	5	
Vehicle Location And Management Solutions Trade names		
Business Acquisition [Line Items]		
Intangible assets	\$ 11	
Intangible assets estimated useful lives	9 years	
Vehicle Location And Management Solutions Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 3	
Intangible assets estimated useful lives	6 years	
Vehicle Location And Management Solutions Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 51	
Intangible assets estimated useful lives	18 years	
Silent Sentinel		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 37	
Goodwill	16	
Intangible assets	22	
Net liabilities	1	
Silent Sentinel Trade names		
Business Acquisition [Line Items]		
Intangible assets	\$ 1	
Intangible assets estimated useful lives	2 years	
Silent Sentinel Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 11	
Intangible assets estimated useful lives	10 years	
Silent Sentinel Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 10	
Intangible assets estimated useful lives	14 years	
IPVideo		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 170	
Share-based compensation arrangement, award requisite service period	1 year	
Contingent consideration	\$ 15	
Contingent consideration	2	
Share-based compensation fair value	\$ 5	
Goodwill	100	
Intangible assets	83	
Acquired liabilities	13	
IPVideo Trade names		
Business Acquisition [Line Items]		
Intangible assets	8	
Intangible assets estimated useful lives		8 years
IPVideo Developed technology		
Business Acquisition [Line Items]		
Intangible assets	69	
Intangible assets estimated useful lives		15 years
IPVideo Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 6	
Intangible assets estimated useful lives		12 years
Rave Mobile		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 553	
Share-based compensation arrangement, award requisite service period	2 years	
Share-based compensation fair value	\$ 2	
Goodwill	400	
Intangible assets	212	
Net liabilities	59	
Rave Mobile Trade names		

Business Acquisition [Line Items]		
Intangible assets	\$ 9	
Intangible assets estimated useful lives	9 years	
Rave Mobile Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 82	
Intangible assets estimated useful lives	17 years	
Rave Mobile Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 121	
Intangible assets estimated useful lives	17 years	
Futurecom Systems Group, ULC		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 30	
Goodwill	10	
Intangible assets	\$ 11	
Intangible assets estimated useful lives	6 years	
Net liabilities	\$ 9	
Barrett Communications Pty Ltd		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 18	
Goodwill	1	
Intangible assets	\$ 3	
Intangible assets estimated useful lives	7 years	
Recognized identifiable assets acquired and liabilities assumed, net assets	\$ 14	
Barrett Communications Pty Ltd Trade names		
Business Acquisition [Line Items]		
Intangible assets	1	
Barrett Communications Pty Ltd Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 2	
Videotec S.p.A.		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 23	
Share-based compensation arrangement, award requisite service period	1 year	
Share-based compensation fair value	\$ 4	
Goodwill	9	
Intangible assets	6	
Recognized identifiable assets acquired and liabilities assumed, net assets	\$ 8	
Videotec S.p.A. Developed technology		
Business Acquisition [Line Items]		
Intangible assets estimated useful lives	4 years	
Calipsa, Inc		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 39	
Share-based compensation arrangement, award requisite service period	2 years	
Share-based compensation fair value	\$ 4	
Goodwill	24	
Intangible assets	21	
Net liabilities	6	
Calipsa, Inc Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 20	
Intangible assets estimated useful lives	15 years	
Calipsa, Inc Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 1	
Intangible assets estimated useful lives	3 years	
TETRA Ireland Communications Limited		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 120	
Goodwill	47	
Intangible assets	90	
Recognized identifiable assets acquired and liabilities assumed, net assets	6	
Gain on TETRA Ireland equity method investment	21	
TETRA Ireland Communications Limited Trade names		
Business Acquisition [Line Items]		
Intangible assets	\$ 7	
Intangible assets estimated useful lives	14 years	
TETRA Ireland Communications Limited Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 83	
Intangible assets estimated useful lives	12 years	
Ava Security Limited		
Business Acquisition [Line Items]		
Cash paid for acquisition	\$ 388	
Share-based compensation arrangement, award requisite service period	2 years	
Share-based compensation fair value	\$ 7	
Goodwill	267	
Intangible assets	165	
Net liabilities	44	
Ava Security Limited Developed technology		
Business Acquisition [Line Items]		
Intangible assets	\$ 144	
Intangible assets estimated useful lives	14 years	
Ava Security Limited Customer relationships		
Business Acquisition [Line Items]		
Intangible assets	\$ 21	
Intangible assets estimated useful lives	2 years	

Intangible Assets and Goodwill - Intangible Assets (Details) - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022
Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	\$ 2,953	\$ 2,829	
Accumulated Amortization	1,704	1,574	
Intangible Assets And Goodwill			
Amortization expense on intangibles	152	177	\$ 257
Finite-Lived Intangible Assets, Future Amortization Expense			
2025	143		
2026	134		
2027	124		
2028	123		
2029	112		
Developed technology			

Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	1,226	1,156	
Accumulated Amortization	535	447	
Patents			
Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	2	2	
Accumulated Amortization	2	2	
Customer-related			
Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	1,609	1,566	
Accumulated Amortization	1,093	1,055	
Other intangibles			
Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	116	105	
Accumulated Amortization	\$ 74	\$ 70	

XML 140 R123.htm IDEA: XBRL DOCUMENT

Intangible Assets and Goodwill - Amortized Intangible Assets, Excluding Goodwill, by Business Segment (Details) - USD (\$) \$ in Millions	12 Months Ended	
	Dec. 31, 2024	Dec. 31, 2023

Acquired Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	\$ 2,953	\$ 2,829	
Accumulated Amortization	1,704	1,574	
Products and Systems Integration			
Acquired Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	1,017	985	
Accumulated Amortization	409	337	
Software and Services			
Acquired Finite-Lived Intangible Assets [Line Items]			
Gross Carrying Amount	1,936	1,844	
Accumulated Amortization	\$ 1,295	\$ 1,237	

XML 141 R124.htm IDEA: XBRL DOCUMENT

Intangible Assets and Goodwill - Carrying Amount of Goodwill (Details) - USD (\$)	12 Months Ended	
	Dec. 31, 2024	Dec. 31, 2023

Goodwill Activity			
Beginning balance	\$ 3,401,000,000	\$ 3,312,000,000	
Goodwill acquired	144,000,000	109,000,000	
Purchase accounting adjustments	(6,000,000)	(31,000,000)	
Foreign currency translation	(13,000,000)	11,000,000	
Ending balance	3,526,000,000	3,401,000,000	
Impairment of goodwill	0	0	
Products and Systems Integration			

Goodwill Activity			
Beginning balance	1,568,000,000	1,461,000,000	
Goodwill acquired	16,000,000	109,000,000	
Purchase accounting adjustments	(9,000,000)	(2,000,000)	
Foreign currency translation	(2,000,000)	0	
Ending balance	1,573,000,000	1,568,000,000	
Software and Services			
Goodwill Activity			
Beginning balance	1,833,000,000	1,851,000,000	
Goodwill acquired	128,000,000	0	
Purchase accounting adjustments	3,000,000	(29,000,000)	
Foreign currency translation	(11,000,000)	11,000,000	
Ending balance	\$ 1,953,000,000	\$ 1,833,000,000	

XML 142 R125.htm IDEA: XBRL DOCUMENT

Valuation and Qualifying Accounts (Details) - Allowance for credit losses - USD (\$) \$ in Millions	12 Months Ended		
	Dec. 31, 2024	Dec. 31, 2023	Dec. 31, 2022

SEC Schedule, 12-09, Movement in Valuation Allowances and Reserves [Roll Forward]

Balance at Beginning of Period	\$ 69	\$ 61	\$ 70
Charged to Earnings	49	29	28
Used	(35)	(21)	(36)
Adjustments	0	0	(1)
Balance at End of Period	\$ 83	\$ 69	\$ 61

EXCEL 143 Financial_Report.xlsx IDEA: XBRL DOCUMENT begin 644 Financial_Report.xlsx M4\$L#!0 (*U3EH'04UB@0 +\$ 0 9&1C4')O<'.O87!P+GAM M;\$V,/0L",1!\$ _!IOO;=IP4)B0-!2L+(!/>OLOD&1#LD)^OCG!CVX>;QA&WPIG M*N*1#BV&5(C(I(/ 147BK9.7;=N')=HI6-Y #OGDK7A.YNJO<&4GPZ4A!0W_J=0UIR;UEA_6\#MI7E!+ P04 M " "M?SY:OEWHJ>\ K @ \$0 &108U!R;W!S+V-O&ULS9++ M:L,P\$S\$ _J6AOCVSWA7^!;*T6?/B_0S3^K!BXX25&4%K)LF MAN/8MW !3##";--W ?5"G*M _8N<.L%-R3&9)# <-0#LV&ULI5!;<1HX%'IOK!X9_9M""8V@;:T\$W-I=MNTF83M M3A^%\$5B-;'EDD81_OTV23;J;/ 0LZ?O.14?GZ#AY^XN8NB&B)3R M> +!06N!|3+ MUES@6OHO(!;JM-O=5H1!;*S8V1@?5XL;\$#05%%%;:U!@M.4?_@5RU2-9;.! M\$U=)KF(M+Y;_7VMX^9<_L.ATR@6XP&U@@?YIO!^1.6HCA5,+SP&IG/U9K MQ!^22("R7V4!;D!|/3%0@R#3LZG5C.=GSVQ,V?C,K;=#1M&N#C7@XML02 MBW A(5M>5 TR M6!'VULS2 Y9>*?IUE!K9';O=05SP6.XYB1^Q14\$UFG2&98T1G*=D 4. #?\$ MT4Q0?%!MHK@PI+27)#6SRFU4!H(FLB!|4>"(<7K;YH! M5Z%82=|S^!|&&N* <<^9ST6SI!Z5&T795O-RCEU@5 9<8WS2J-2S%UGB5P/&M MG#P=\$O+-E L&08:7)"82J3E^34@3_BNEVOZKR2.FJW"\$2M"/F(9 M-AIRM1!;MG&IA&!:;L;1>|2M!^6:PUDSY@R.S-D77.U!S,\$9)>-T(^8LZ+ MD!&_ 'H8X2IKMHG#8!/V>7L-)P>B'RV;IN'Z&U3-L+(!W1!072N0!)J<_Z3(T M!Z.:60FIA%9JGZJ!-'#ZH'C(*!2&Y'CIE>G@*-Y;&O%"N@GL!_!'-!*K^(+ M.7!N?<^E!|GT!;'2MSAD6R4)RU3393>* M\$!Y"&V!|4_5*E=? EKIDHN#Q;Y.FOH70^+_ ,Y%"_GM,T+;T.WF)&Y M"M-2D&_#^>G>|KB.=D\$N7V85VWGV-'1^^?;!4;"CISR6'<>(J(A|J&&F,_# M0X=Y>U"89Y7&4#04;6RL)"O&MV"XU_ \$L%!.D8"Y@!X.O40+R4E5@_5O& RN0 MHGO,C\$7H<.>77%.CT9+CVZ9EM6ZO*7<9;2.<.)IF!-G|K>9;!'!51W/55OR ML+YJ;/053L_&6:W(GPP13A8+\$DACE!>F2J+S&5.^YRM)O^4XOT4SMA*7&+SC MYL=Q3E.X\$G;V#P(RN;LYJ7IE,6>F\M\M# DL6XA9\$N)-7>W5YYNTB42%(P# 4A

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M" M2\$Y4?>2I0D(#0. &'A1+W=OYL_T@;>?M24J1R1?M_Q198...+?|I<~&S%Y?F|/J1V.VQ.YDfR'F'W'0|DLZH_+K@BI@U|H.30.61)RA@=1? M7+>~IN>QUU?
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(JMPM4T6>Y^X1(C)ASZ.C1Y_8 M8BP^~1V184N1K@1^BOE^W^YVX951@IR#>N1R:NEE5B71.T0B.8V_@8S0QY M^L&9F#^<=<=&H^YQ19.7161UCM9QD-W^L591M05M.#/5U2HF)
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I=U@J%G6K5G^/J0^4RP.R-N5B1+1HCSQ0130A_1L88B1R^U_@60F1Y1Z15F1N^N:R=9FT0 M71Y>=>-D1LR^>1H-77Y^?>X\$1L70+FA^1?>=<=<Y=H5UO
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M.7@41.Z+>H01OY\$X&QOR>?>1SIEF?_2_9J_N:6H+1L^@7Y M1(8ES01@.N_~%C/K/MW\$KN>+>B^12V9PE^=MHJ6L^1J.Q_2F>7

[illegible]

Mks-LLGAS-69S2T3100->09R4H1240T-HR-MRG-22ZFO1051MTY1-Q7S78A-T1FW19DXX00G65(PF-E-F3-M-UCAW2H7->J1F7616M3P5-AR5X0/JES+V21MYJ2V1/L1WCWD-Z-OP02 M5AKW712->Q/0S0H: MLCVYAS)-R21/G81+AM-C0-8-EN-25+T1+N^C6-1+6D6+AG0LLETFGR8TBSJ25 MHJN+XC%-R8-1JES:P54WXH->J1HSWBF:THP0132PK6%+M1-50-R-7GCM8A0YXC3V1-WYMA-AMM2HSL2->=80S31350O0GT737-K6RL1-M2XZC-PNZV0Y0->6G2->22R19-R8-7-R-1J1+1L1L+E4V22N-3-1M1+MP1U7-Q9-7KB-O9-DA-OJF358VJ3P26532FAT04->L9N4JWHHIS1V-M5S-9->80E-ONQNDXHP-J2UEFJ3CGRZY08-DIG-9->14DA+HRC-X1L8-HR:KMTN1HN9B->B-WXV7P51240MAR-M.EOD4AM1-PL-RGZHT3YV4V-H->89-GHBA0G3CI+SHW0RCS-CAFD8->4 MLCS5231+31-B1->NUS419R1+2WKG6D2F5E-(E1)(%)-1/04/4-012DEFMR-S MOS8-9-8J1+ZAC4-4WBL21X2CA4MS2)B32R+-ATR-M-HJZM+L+CG67%>2-E2B-RK1K+K-Y66GFCR1+3V->NDP2SRX%B/6-BG81@JTF/?->6B;>53UH0->ZVCN?V21-WXG5ED3+M-M20-1L1->H7E:INC2+EFLUT050YMK0-1JH-9M->9-9-9-KZD8->J8JZ6-MJ56->87-10M-+32-)0S0M+X5-1169W+FL1AT7C95S->106GPEXZ4-MPO630U5+H19+>6-OPAPB3+H1->H10K144E-EWYKXR)TOSZ-V02+2ZK+L+MG-7D1C-(6-MHR0F4L1V1+5H0K1+FA8-V22JUC0+P5CSDU"JATXN23-1+AAV1V-M-D22-X4HPRD->X1:00FL1#U165-7-2KPR-MT-L+>M0-M2EZ05->R1V31/1+>C-PTQW0-Q-PO-VIR-W-H9637-BK0K-M:5S-GHJ-FGRG:FE1%0U+>2/2TMM1PQ-1V249,5%>GH->3VNM-K/S50Y-MW9Z-T1VMRD9-M)1+2W-1M5Z-WK63->F1+>2PNGV2JEMW@Z/M-D49-14-KMG&KL->G81G+V-310->U4-S1YV3+D1->=>#WS225?2-P2-MXG-0-14554E:H8?>9+@<#1->6-MBRE9-S+H0M&KLU1%31J1D?>MWNV->2ZJWRN-X-1+V0L6-V1WONJ2X8=>FJWJSH-3+16@/0A1@E1+M-MHBR2PD-7K-ZJG-E#V1P4P-VG510-K30->0G5/141-6%NSCB->H8K-M&ZAZ10-0F0PD076B)-R1Z KS87B-FEK4H1-ZAE@P1G-@N-M6MMV1+H1->60->6->3AG(GK5CN-1NL-U15K00K(6B1-9R->BHV0)->179K9-GLH-URH57V1UPLXPK0K@-M2-T3YEL:VOYPP-44IK9K9-IRRM-6CBW-M->A:MMNGPCC%->A4@J19V-E300-M-?B1HNRN)-5+JC19GCEI-04->44ZGTO-H1TB81-1+M1-OSQNY2T1886@CMU5V->P-0JZHK-@/MHMB0B141+1+K15-KL-DH13->Z4N-CN+V-0-W3BK9+1->13F3 M1C1-9667+61CWXKH9Q&M-@M-11-511Y-0:PY2PBK& NA4DR-APGK16-M-196E71-GUOE-@AMEJIB6EUXFH-K&M-@E7+55EJ13PTT1P1+M+>C-21719MBS-TO-W1MF2V-OR-IO5XB-EM-IV M5N>K0FC-CA-AWDP1->M1-GDJIK-@/EIRKJ1H XAKR12324Z-CF-M&J&H21FBZ1+PFF-V1-3PWH0-7A1M5K91-01-U7L0J1@V1VH15X-0->IK21-D21ML-M985+X7R-1%#&3-1521-Z6H1-56&R&M5A10U-X-0EP56@)HK->K2->M50H-23HRI1->W1UHTFESTT9Y1E10J1->=>2-2-M238+M41-PS-MW&K12N-E-PCG1+FC1->W374H1->H-PL-B1X1K-M55->1+JES-FJHFD13C->45123)H-MH-FOEAOFS-DTNEF37-M0K6K1+T1V1+AS-BM2?->7-1+5M+PS+K->N50?P&3-T1->H9013-XL1-MWPA2001Q5-A@RF3GDN5G-PL1-F1C3->YDK17-LG-C6511+1+PMEZHT1->BGAF-MRCS1-RZIN-V5-6H1L0X0V9P7-B1D1-RS-121-0#01-V1EQ1ZRP2-T-M50&1AF-X5E2F7H1-V1F9K1-S8-N80?P-N1->A1->A67A-7A1-MWPA2A7&K1(MHSEFNT)-EUP1-PT70X0MBEXV->1-U9RHCN-D1+>C80E1-15D51e1-XL-MB1&B+PNI->125N-EF15X->17U1791-09J1ES1-0092-25->V1V8-MP5-T156G101+P1D9091-CNE5V@H1-PP040681T13->HFKPK16G7A1-A-M5N-N3GP->0PT273->Z4515VMS1-SK1P-DLN-R4&E1ES-BB20SXB-MTKET1TSPD->6-30R(C5A1+H20D1-N24D1H8S1H1->B9-2FEOGLY16->4-M4&A1+@G1-D-G2F1-(60HHSF1H1OAGL1&=OSK627)-TF#-0AP%101-<1.9-M10&@AWX67+H1G&O-Y1&E-6720?->X&O1-1TAMT719G1&NSSLP1-MX251&B5-8ZVNO-TS6KY0A1-@-BEJO1@G2-A1H1-01+@14ZE7A9(CM1)M50&5P+4PW-41%GLN9Y11->-(P1-YO1F-HN7C&K&K&7-7A09R-M195%1519416-VYND&5-47%F&7AP2->4HH4T69R102G1SG2G1H1-M1ML1590&1-L12-1362-XTEH1H1G2H1M-1PKR1V4->096-7U0D1P1-MRNN-D1+2C-825D1VFL1C->43+YSGRD-(6K7-VYGC&K&ZHL-M50->@10=>-PK1FUT1+1-2V12?>C&NF-CH1+1-7Q1A&B-90-REB(C->H1-5Y&XK5P102P5%<K7Q6-M+P70-LAX-H1L-1W-M-WK&SL1QZET1H1&SOKK&A730-TMB41+130P1+MNP1-FCN1B747-EYNBM121CHOULS11+2-V1V7-9V1R&62->P1Z19-61-MK8W1U2V1H1-R14-1L-Y->KR1Z299-M+5UHC1N9C540G790VC1P9D11->12W644&X3TY149%14120T-5.6A-MM65Z+1A1&QD1+YX4+@R2Z1V1->D66U55P-N1V&K07&4-MK-L1%<=>6RT7SKV7NSB-P1QK5PCB-?=>L1Z->5S1U1+U7BATA09000Q->M&RXV1HIS1-TO1923JHL->MAXY->?UD1M84-ZXWC&K+X1QSD1W4.PG.6A1.MB56100-B45BN1V1%=>EY6KJ1H1-DV1P73&H1-71Z->0299D15+1WS-?1-M1@-@SG1G01P-C61+1-29B-DVNTS806-1H1-9H56+1+V1WK&R9R3&6-GZWH1-M+XN1+14F->F-342&SC&A1EIRW0->0->K372-162%1CA1->5XV-CT1-KO-Q-MXW4-Q-G&LL26R4-1H1F1962&241-621%2->0-W50X&5&UCZ1->0-A-64D-MVORT5&1-31-PO5P&71E1-6ULPX191DG525,9P5516-PP&KR-XV140+1%1-ME1-6W1G1&A1XU1N1V1P&5&1ES+21-C1+DPA&L1R1RXNR+CY1E1V1TO-D17->1RBT@Z1H4-G9D2VX2V1M-9+92H1+117-B1+BLD1-F1V1V10-M181G@-MC1-CT->1570K->0Q2F53K1N1%6A1Z6216370FATC1M12B1-H1M41953K1?>71->U7H7->4&6&V&E1-1Z1@T1WNS5A10-M5W8-M1W1-795-@-R&1B2U1+V-W-65J&M2&M5W15W1&6&AB&B1P00H&Z1-L1G1&BZ&ST->=>F58-M-6->1CG1N&6&L&D1Z1S71F1C1K1-0.6&E-EM74757B181+T1V1H0-0&40->9T&1-0KPM901AX1+AYAL&B1-V1PA1-MW1&1L1-491-G->30G161QVH15-UMGND21-NYS2->1H90RT&5&E1GN-M(2.6)+V1P1Q1U3-4-169->4+P1-LC->1-M2&2A&S80G1#VCM1-?14W3-MP6G1G4USUR7101&M1&MP-667-1+5&G->UGO1-J1->E217-1+K4->51(2)G-MF1Y1P1Q&=>E7Z010F-H&5-4+M3+11411H1P1U1P-BOK19-P1%5X&H-M0010G710->Z-?R&D51+4H151G1XU1&SNN-HD1->51R1->36X0N10121-MU1U1H1G&C->8-VB139->T&S&G1&U1V11718W90-8Z1V1V101-

[illegible]

[J9TW]QM2-M-SPN5-P5JXN6-45-SNF369.6. 3-Z7V-M5\$-M,315-ON+P(3+5)0G7GJ[KQXFUNELLN-00>514J-R8(4)A:38% MXR-7EDMXAPAP0P5KMC(7/L+RR5)CG62/LB(A:GM-M'DL@-I.R.:1 [W102W14WRJ34J5XN6.6.7. TDZ6.4E69.6.3(9)4-T4E-MN5&S&PCL0FTX&X&JW-M3M3PEK(55*H0KU9VJ-BJ-M-1_X14X1:GB1%PU5V-OV5O0V+VH+V6*QVQ)T2-L+IHWKLM2 M682B91U+14T,K4W5+@JAL+V-9*2,RT3OB=-(YX:1655V+GDFVR+(N5-M'DL7BTP(CQ5\$)6J2ZZQAAAL-QV3&PF5R16B2C0-6M+M%P/B13*%16L M<(5R5244)Y0D9L&7T7E-7E)GJ? B2W(VB9L-4T,C2K5-52,FL3%7MB)1TJ5-M+J1-L6;H(KH1)1DAB;K4PNV7E1EQ-O=WA4M+G6J;6&4%QJQ,D12J-MK5=66,6\$H-S2CTC+A4BR678\$Y(X[4%>?2UC-1:N-SZ3Z30DH)+> MZ-1-YO444%>V1+H8+?>013%6E&Z9%0EA5?E-U;J14HBJ2NE-AFK9TH5-M'PTOAR5MWM85J(KJ7Q1T1'OJH197+0M,K-1-7J-3UBT.106G0GT+T3 HM987.2D36DDJ4Q(M4MNBK364A@R,W, OHWY27(PUM5H%8&Y5H9(5-M)WTH,PU61%67HDB8R1UL-MH1987UL(HN-BP46DNUH%5Y2U3-KEN1+CHM(M(1/H)T'G5*BT+P18L#=#>?>Y5@=M8%\$. R(U-I&D&8ZLRCARZ@PZ@YAW24+4-AV%8U5824F5H5LE24(I+1-M)10Q0OR,6\$45EVBV17W+KXN;6\$26Z61VULU+1I&3)@-?Q=5,LU3-A&5ES1MUP3RJGZ@SKHKHT4(JHJH8X\$5)JL5K\$((-@=&@-N?3- E6EMN+Z(6900)7,6& MZHW+4J1 @GST4+AGH7TBC50JHRE5,6\$A47BQGW9UVD58L-0-5-5-9H-M67P9D50650109D7C3*MH0H1-J1(9,8*35,15BR,KK-@N*2+NI-4H MZGR-(NPTB08D4 M6(Q9(LD93CPSK5L&Q4-M;C650AAL278K4M(VZ5)J14V+7&8R4KJ7YH2P->96N<@SZMMRRP(4)31-MLM%Y8I@90(I)BJDIF>Q0T44-ST1-N-1CH,N1V03I8#50R@3S(R= MH,Q*LY4B,PG-631-4AP-R=6-EJ7K70PRW6C,N232+VW1YXV<-NA,M=5J8XBOQMO6V&VZS2672,BA&B-1A);NULAES&HK;B3FH2C-/J47X55 MUM620GXNLJ1: !=-?PG&A<4E+P>4.4-W7(1-3E4EN'VYV\$D\$L(N0H+MT13Q&YQU#%,Y'=5UPKFOEP&5P0MJ9-M#-TQDY7KFJHDBZK)@26Z\$HNPB'X1=94:9AMING7V->B&Q=PHN0J];24>O&&A%-M%Z%TFTT-BB&EOK(N:DF1XMP686,6@LHSDG(PH(QWQK2VC7P\$C#EUL7%7=GSB\$F MJ1670#10>.5745+78J5Z4T47J265Z3H9-Q(P753X'5#GMN20E9P'6>M MB1BP6C_KJ46&,6%CTZQZ(LV1J,RE,QW3C(40+Q)7V7#;R89-1.A5@ST5M5HK1T-0@J(G,8T8NHY1P7L1,55&3&5,9%Z&KM59P+29,80D-8&GFC=M,3,LBFOJ@>2,2LRN?538\$Y)ESHG&QN-B>CHG+P5I-72-A M+K+02+HP61P+PMN6)3Y9P+CHZRC:HMNM9Y9D,P64;HJG+MPTF,115%MR-N01NAP1M+1+6QFUCZIE)R+1M(O@U-XM85P0D,1K3P95-M;MDH:1+M34C+G&D9T3T-IG(J@4V1H0T)J0-30A(X)F1H? #DU6,014=&C-Y2 M66G,12656,UMKMUJ+M9,7B;KX5-4BK-7)GP-(M2Z&GBN44P1MG6D518J1-L=M-HK@-R-1WF,V&C=J4616%3W+<3.B,1T,THVNU75L8J2C-6-L4=&SPBOPMBRQQ@J0-30A(X)F1H?>G,G,F,6J(W0SQ04W@5#M4,4A90ULEHUC6K4BBSA-MGAF-T@M0MR6P-PTP-C1E)H&8L8,T2Z4V6J6042F-C&@X&3NG-S45MH MAAVP,LI1W-R4F;X4A4-61KT62P9 6BK8J4EAB+1(CZH1L)599>O M97MM108X+1+2L)U=TI7K50V1EHC-KA'6R8-BEW-MY-B64(3+1Hf@3GH=5)S1D1Y24Q+@GJ-Q4Y-O-X3-V-N-SU'4M-LZJ HEFKVC(XKXK;G1(1B+G14&1EMXKBQ6J7UBC-W61L70;0)AMB7P;1+OG:2ISUR2+1+HJL,OPOM+M-1(H+@A-XJ(O<-QU&U&H);M,B%N@J1/SJ25+45&H&C(PD3Q?TILUB-X@<C2-MK<-D2,Z1->A'EAT-U31)KO(B3651ZYF);7OWJ0J-FLNJVHP>48U>JMNO-M1#> @482ULUJ,4A=73U3?7)HEM7J21VW+M@/N7&C3B0UK+8T1)N%=&1J1,D%7NLYM0\$FAXV3HWH79->827-K21+0

[illegible][illegible]

MZL@#BC..@.WWXx5WV*XP2.KI4P5*Z..@.J3BH.FH9K3K5*3X1PD.M1..TC*6C@..@.Q120H1*GA6AH.YX.CY29.D120*09YK@.ZN1S*49H9E@X@QFN.H1F7I@Z@01..@.D13*..F1Z3S
 MAU@.P@ZDLA1@.JCLH5.FF5I@O1H7V3W5.XS6V1@..P@.PBEO@OWX.M*H*9P..@.14U..@.1T5B.H..@.1..WILDSHBJ.G+WWOYF.MT.I1.H1.OVEX6G@.M#H*NP1@K323?..RRLR..@.H9:HX=C/I?D54.1.5*#W
 14/KJ(351U..M..0.C@..@.O1ZF.P@.O@.0.9T.*NBD@.0#A1..@.051Y*W4H1..@.5*BMBEJ2K1@V0X?B/H1X*9NAN9.M.ZH@P301E?E9+12?@.H@.U.RK.3#4H9I@H1K@.X.N1.M;@.1)832.GG.MB1.BK6M1*2+M
 10.Y90I*5.E.FUN@.10.1155+M.H1E@.W#X*CYM.V1H91*1HA.7..M*5*TH41K15?K7@.AOK*55.HR00K1@..@.M*P*F1.H1.FT.KK..M-0S;N.2BZEWB?F*4X12?3*MM..@.11*F.UUYE
 RH125>N*KN@?E5.FH1F.SYIM.D421*CMF-0@.XU@VNP1ADA1566647BN>.H8R7.V1U1..P04..M1*5X.GY6T.MOU0K..@.0*..@.AL1V+OKU1@H1V.M1M@..N550PNDL@.6.IDD?G2>Y1*CD5.53@.B1P5@+C6@+1
 1..Q6N9Y1*OS9?1B.H1L.F5D6KOS.G?G..8K1*91..@.CR@.WBT?K37CY0B0K.8.A13BA*ODR.H..5BA1*AJZNOZ..@.05*ACP.MW+IDB=9J2A1*MK*PKR17J2A.H54N?1.H1E1Z1*MO?1FZQ04*MTBZ02*9
 1DP.FFVQY.M5.GY+PY2C@.QK1U.XW@S.WDKIOU155L*H1.L21*Z1F7HKL1..M1J013?..BHRD8S?51K1YOSU?U1*YSZUBP1@..@.03R1U15AOK9*Z1M1.KX@.MT1FAS*TH83*4HOR5JPW56.6HY1
 13>24CA*85*UCA@0@.K1TZ1.HX.M@R..JWW#..19.X1@.X.YB?V4.5.T1O*54*H1GLGYT*6GMO>4ABRAV5G?..@.70.MP313U+V19T4A21/88T?18B?..@.6H.D1G*E.RXK@.ZKTEF2P6.F1WXXK..@.MM85M1*5*O
 5CL9S12.068?26IDP*10.QO@.ADRP.YE02?Y1..@.DEL.MT9G@2?..@.WGB1.K6K1.O5OX@+131?B18?52U08.AOIW?14?T91?H1N@.A@.BY?4OT.MDB..P1@=ISA+W72K1.K1PINDCE141QNTONZ42291Z1Z1..4C4W21*O1HG
 M.V4H1W1W7878@E1JH1*V01@..@.1438FCS16711Y1V01Y12?..WGB.4680.MB.91P1@3?SMNO312?K4T91*9?W1U@..@.WUEG=5B.FM@.A1X0.X10B.M4780014U1K1.O1.KFEN*B@
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 M7R1..U49N1H1..L1V4E421?01*055.SOTF69V6TKR..@.O1F.ABKL7L.E?W.23.M1..@.S29G51K2?2..1AIRN99.17.W21W1M1..@.1H1P6R1..@.1C09E1Y.Y.K.M.XM*3#1.BX5E2RX?..@.171.LUZB0JH1SKGH1/7NZS1@OUKY?
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 K@.H.K.W@.U1C.W01.M1ZUG1F14B4W1T..X1Y.0RC.2?1H1D1U1R51K1H11*61*51Y1Q>..@.X51AS1N0171U1T.RC1A1E1@.6F.V1W1B1..@.ZE=..@.1144QO..@.MOH1J9GW1.PC1P?6?V?V?1*01S1B?H
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[The following text contains extremely dense, non-readable characters and symbols, likely representing corrupted or encrypted data.]

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Excludes amount capitalized."}}}, {"auth-ref":"","r736":"","r741"}], {"us-gaap":"AllocatedShareBasedCompensationExpenseNetOfTax":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Allocated Share Based Compensation Expense Net Of Tax","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/ShareBasedCompensationAndOtherIncentivePlansScheduledCompensationExpenseDetails"],"parentTag":null,"weight":null,"order":null,"root":true},"presentation":[{"http://www.motorolasolutions.com/role/ShareBasedCompensationAndOtherIncentivePlansScheduledCompensationExpenseDetails"}],"lang":"en-us","role":{"totalLabel":"Share-based compensation expense, net of tax","label":"Share-Based Payment Arrangement, Expense, after Tax, documentation","Amount, after tax, of expense for award under share-based payment arrangement."}}}, {"auth-ref":""}], {"us-gaap":"AllowanceForCreditLossesMember":{"xbrlytype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Allowance For Credit Losses Member"},"presentation":[{"http://www.motorolasolutions.com/role/ValuationandQualifyingAccountsDetails"}],"lang":"en-us","role":{"terseLabel":"Allowance for credit losses","label":"SEC Schedule, 12-09, Allowance, Credit Loss {Member}"},"documentation":["Allowance for credit loss from right to consideration in exchange for good or service transferred to customer when right is conditioned on something other than passage of time"]}, {"auth-ref":"","r1447","","r1448","","r1449","","r1450","","r1451"}], {"us-gaap":"AllowanceForDoubtfulAccountsReceivableCurrent":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Allowance For Doubtful Accounts Receivable Current","crdr":"credit","calculation":["http://www.motorolasolutions.com/role/OtherFinancialDataAccountsReceivableNetDetails"],"parentTag":"us-gaap AccountsReceivableNetCurrent","weight":1.0,"order":2.0},"presentation":[{"http://www.motorolasolutions.com/role/OtherFinancialDataAccountsReceivableNetDetails"}],"lang":"en-us","role":{"negatedLabel":"Less allowance for credit losses","label":"Accounts Receivable, Allowance for Credit Loss, Current, documentation","Amount of allowance for credit loss on accounts receivable, classified as current."}}, {"auth-ref":"","r304","","r424","","r473"}], {"us-gaap":"AllowanceForDoubtfulAccountsReceivableNoncurrent":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Allowance For Doubtful Accounts Receivable Noncurrent","crdr":"credit","calculation":["http://www.motorolasolutions.com/role/LongtermFinancingandSalesofReceivablesSummaryDetails"],"parentTag":"msl LongTermReceivableLoansAndLeaseNet","weight":1.0,"order":2.0},"presentation":[{"http://www.motorolasolutions.com/role/LongtermFinancingandSalesofReceivablesSummaryDetails"}],"lang":"en-us","role":{"negatedLabel":"Less allowance for losses","label":"Accounts Receivable, Allowance for Credit Loss, Noncurrent, documentation","Amount of allowance for credit loss on accounts receivable, classified as noncurrent."}}, {"auth-ref":"","r424","","r473"}], {"dei":"AmendmentFlag":{"xbrlytype":"booleanItemType","nsuri":"http://xbrl.sec.gov/dei/2024","localname":"Amendment Flag"},"presentation":[{"http://www.motorolasolutions.com/role/CoverPage"}],"lang":"en-us","role":{"terseLabel":"Amendment Flag","label":"Amendment Flag","documentation":"Boolean flag that is true when the XBRL content amends previously filed or accepted submission."}}, {"auth-ref":""}], {"us-gaap":"AmortizationOfIntangibleAssets":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Amortization Of Intangible Assets","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeDetails"],"parentTag":"us-gaap OtherCostAndExpenseOperating","weight":1.0,"order":6.0},"presentation":[{"http://www.motorolasolutions.com/role/IntangibleAssetsandGoodwillIntangibleAssetsDetails"}]}, {"http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeDetails":{"lang":"en-us","role":{"terseLabel":"Intangibles amortization","verboseLabel":"Amortization expense on intangibles","label":"Amortization of Intangible Assets, documentation","The aggregate expense charged against earnings to allocate the cost of intangible assets (nonphysical assets not used in production) in a systematic and rational manner to the periods expected to benefit from such assets. As a noncash expense, this element is added back to net income when calculating cash provided by or used in operations using the indirect method."}}, {"auth-ref":"","r14","","r505","","r512","","r1203"}], {"us-gaap":"AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareAmount":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Antidilutive Securities Excluded From Computation Of Earnings Per Share Amount"},"presentation":[{"http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareAdditionalInformationDetails"}],"lang":"en-us","role":{"terseLabel":"Stock options excluded from computation of dilutive shares due to antidilutive nature (in shares)","label":"Antidilutive Securities Excluded from Computation of Earnings Per Share, Amount, documentation","Securities (including those issuable pursuant to contingent stock agreements) that could potentially cause basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented."}}, {"auth-ref":"","r377"}], {"us-gaap":"AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareByAntidilutiveSecuritiesAxis":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Antidilutive Securities Excluded From Computation Of Earnings Per Share By Antidilutive Securities Axis"},"presentation":[{"http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareAdditionalInformationDetails"}],"http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareDetails"}],"lang":"en-us","role":{"terseLabel":"Antidilutive Securities [Axis]","label":"Antidilutive Securities [Axis]","documentation":"Information by type of antidilutive security."}}, {"auth-ref":"","r41"}], {"us-gaap":"AntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareLineItems":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Antidilutive Securities Excluded From Computation Of Earnings Per Share Line Items"},"presentation":[{"http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareDetails"}],"lang":"en-us","role":{"terseLabel":"Antidilutive Securities Excluded from Computation of Earnings Per Share Line Items","label":"Antidilutive Securities Excluded from Computation of Earnings Per Share [Line Items]","documentation":"Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table."}}, {"auth-ref":""}], {"us-gaap":"AntidilutiveSecuritiesNameDomain":{"xbrlytype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Antidilutive Securities Name Domain"},"presentation":[{"http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareAdditionalInformationDetails"}],"http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareDetails"}],"lang":"en-us","role":{"terseLabel":"Antidilutive Securities, Name {Domain}","label":"Antidilutive Securities, Name {Domain}","documentation":"Incremental common shares attributable to securities that were not included in diluted earnings per share (EPS) because to do so would increase EPS amounts or decrease loss per share amounts for the period presented."}}, {"auth-ref":"","r41"}], {"msl":"AprilFirstThroughSeptemberThirtyMember":{"xbrlytype":"domainItemType","nsuri":"http://www.motorolasolutions.com/20241231","localname":"April First Through September Thirty Member"},"presentation":[{"http://www.motorolasolutions.com/role/ShareBasedCompensationAndOtherIncentivePlansAdditionalInformationDetails"}],"lang":"en-us","role":{"terseLabel":"April 1st through September 30th","label":"April First Through September Thirty {Member}"}}, {"auth-ref":"","r1377"}], {"us-gaap":"AssetImpairmentCharges":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Asset Impairment Charges","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"],"parentTag":"us-gaap NetCashProvidedByUsedInOperatingActivities","weight":1.0,"order":12.0},"presentation":[{"http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"}],"lang":"en-us","role":{"terseLabel":"Loss on ESN fixed asset impairment","label":"Asset Impairment Charges, documentation","Amount of write-down of assets recognized in the income statement. Includes, but is not limited to, losses from tangible assets, intangible assets and goodwill."}}, {"auth-ref":"","r14","","r53"}], {"us-gaap":"Assets":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Assets","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/ConsolidatedBalanceSheets"],"parentTag":null,"weight":null,"order":null,"root":true},"presentation":[{"http://www.motorolasolutions.com/role/ConsolidatedBalanceSheets"}],"http://www.motorolasolutions.com/role/InformationbySegmentandGeographicRegionGeographicAreaInformationDetails"}],"lang":"en-us","role":{"totalLabel":"Total assets","terseLabel":"Assets","label":"Assets, documentation","Amount of asset recognized for present right to economic benefit."}}, {"auth-ref":"","r200","","r214","","r295","","r337","","r380","","r386","","r405","","r409","","r462","","r558","","r559","","r560","","r561","","r562","","r563","","r564","","r565","","r566","","r812","","r817","","r973","","r996","","r1098","","r1101","","r1102","","r1257","","r1285","","r1520","","r1521","","r1605"}], {"us-gaap":"AssetsAbstract":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Assets Abstract"},"presentation [{"http://www.motorolasolutions.com/role/ConsolidatedBalanceSheets"}]}, {"http://www.motorolasolutions.com/role/AssetsAbstract":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"ASSETS","label":"Assets [Abstract]" } }, {"auth-ref":""}], {"msl":"AssetsAndLiabilitiesLesseeTableTextBlock":{"xbrlytype":"textBlockItemType","nsuri":"http://www.motorolasolutions.com/20241231","localname":"Assets And Liabilities Lessee Table Text Block"},"presentation [{"http://www.motorolasolutions.com/role/LeasesTables"}],"lang":"en-us","role":{"terseLabel":"Assets And Liabilities, Lessee","label":"Assets And Liabilities, Lessee [Table Text Block]","documentation":"Assets And Liabilities, Lessee [Table Text Block]" } }, {"auth-ref":""}], {"us-gaap":"AssetsCurrent":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Assets Current","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/ConsolidatedBalanceSheets"],"parentTag":"us-gaap Assets","weight":1.0,"order":1.0},"presentation [{"http://www.motorolasolutions.com/role/ConsolidatedBalanceSheets"}]} ], {"http://www.motorolasolutions.com/role/ConsolidatedBalanceSheets":{"lang":"en-us","role":{"totalLabel":"Total current assets","label":"Assets, Current, documentation","Amount of asset recognized for present right to economic benefit, classified as current."}}, {"auth-ref":"","r285","","r308","","r337","","r462","","r558","","r559","","r560","","r561","","r562","","r563","","r564","","r565","","r566","","r812","","r817","","r873","","r1257","","r1520","","r1521","","r1605"}], {"us-gaap":"AssetsFairValueDisclosureAbstract":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Assets Fair Value Disclosure Abstract"},"presentation [{"http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentsandDerivativesDetails"}],"lang":"en-us","role":{"terseLabel":"Assets","label":"Assets, Fair Value Disclosure [Abstract]" } }, {"auth-ref":"","r11"}], {"dei":"AuditorFirmID":{"xbrlytype":"emptySequenceNumberItemType","nsuri":"http://xbrl.sec.gov/dei/20
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Asset includes, but is not limited to, stock, bond, other investment, earning from investment, and contribution by employer and employee."}}},"auth_ref":{"r639","r650","r652","r653","r1225","r1226","r1227"},"us-gaap:DefinedBenefitPlanForeignCurrencyExchangeRateChangesBenefitObligation":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanForeignCurrencyExchangeRateChangesBenefitObligation"},"crd":"","credit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"negatedTerseLabel":"","Foreign exchange valuation adjustment"},"label":"","Defined Benefit Plan, Benefit Obligation, Foreign Currency Translation Gain (Loss)"},"documentation":"","Amount of foreign currency translation gain (loss) which (increases) decreases benefit obligation of defined benefit plan."}}},"auth_ref":{"r634"},"us-gaap:DefinedBenefitPlanFundedStatusOfPlan":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanFundedStatusOfPlan"},"crd":"","debit","calculation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"parentTag":"","msl:DefinedBenefitPlanPrepaidPensionCost","weight":1.0,"order":1.0},"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails":{"parentTag":"","msl:DefinedBenefitPlanPrepaidPensionCost","weight":1.0,"order":1.0},"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"totalLabel":"","Funded status of the plan"},"label":"","Defined Benefit Plan, Funded (Unfunded) Status of Plan"},"documentation":"","Amount of funded (unfunded) status of defined benefit plan, measured as difference between fair value of plan assets and benefit obligation. Includes, but is not limited to, overfunded (underfunded) status."}}},"auth_ref":{"r625","r648","r1227"},"us-gaap:DefinedBenefitPlanInterestCost":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanInterestCost"},"crd":"","debit","calculation":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails":{"parentTag":"","us-gaap:DefinedBenefitPlanNetPeriodicBenefitCost","weight":1.0,"order":2.0}}},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Interest cost"},"label":"","Defined Benefit Plan, Interest Cost"},"documentation":"","Amount of cost recognized for passage of time related to defined benefit plan."}}},"auth_ref":{"r627","r631","r663","r688","r1227","r1228"},"msl:DefinedBenefitPlanMarketRelatedAssetValueMethodRecognitionPeriod":{"xbrlyte":{"durationItemType"},"nsuri":"http://www.motorolasolutions.com/20241231","localname":"","DefinedBenefitPlanMarketRelatedAssetValueMethodRecognitionPeriod"},"presentation":{"http://www.motorolasolutions.com/role/SummaryofSignificantAccountingPoliciesAdditionalInformationDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Market related asset value method recognition period"},"label":"","Defined Benefit Plan, Market-Related Asset Value Method, Recognition Period"},"documentation":"","Defined Benefit Plan, Market-Related Asset Value Method, Recognition Period"}}},"auth_ref":{"msl:DefinedBenefitPlanMaximumAnnualSubsidyPerEmployee":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://www.motorolasolutions.com/20241231","localname":"","DefinedBenefitPlanMaximumAnnualSubsidyPerEmployee"},"crd":"","debit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Maximum annual participant subsidy (per participant)"},"label":"","Defined Benefit Plan, Maximum Annual Subsidy Per Employee"},"documentation":"","Defined Benefit Plan, Maximum Annual Subsidy Per Employee"}}},"auth_ref":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicBenefitCost":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanNetPeriodicBenefitCost"},"crd":"","debit","calculation":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails":{"parentTag":"","msl:DefinedBenefitPlanPrepaidPensionCost","weight":1.0,"order":1.0}}},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Net periodic pension cost"},"totalLabel":"","Net periodic cost (benefit)"},"label":"","Defined Benefit Plan, Net Periodic Benefit Cost (Credit)"},"documentation":"","Amount of net periodic benefit cost (credit) for defined benefit plan."}}},"auth_ref":{"r661","r686","r1227","r1228"},"us-gaap:DefinedBenefitPlanPensionPlanWithProjectedBenefitObligationInExcessOfPlanAssetsPlanAssets":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanPensionPlanWithProjectedBenefitObligationInExcessOfPlanAssetsPlanAssets"},"crd":"","debit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsAccumulatedandProjectedBenefitObligationsforthePlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Fair value of plan assets"},"label":"","Defined Benefit Plan, Pension Plan with Projected Benefit Obligation in Excess of Plan Assets, Plan Assets"},"documentation":"","Amount of plan asset for defined benefit pension plan with projected benefit obligation in excess of plan 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assets."}}},"auth_ref":{"r683","r1227"},"us-gaap:DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateAccumulatedBenefitObligation":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanPensionPlansWithAccumulatedBenefitObligationsInExcessOfPlanAssetsAggregateAccumulatedBenefitObligation"},"crd":"","credit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsAccumulatedandProjectedBenefitObligationsforthePlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Accumulated benefit obligation"},"label":"","Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets, Accumulated Benefit Obligation"},"documentation":"","Amount of accumulated benefit obligation for defined benefit plan with accumulated benefit obligation in excess of plan assets."}}},"auth_ref":{"r683","r684","r1227"},"us-gaap:DefinedBenefitPlanPlanAmendments":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanPlanAmendments"},"crd":"","credit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"negatedTerseLabel":"","Plan amendments"},"label":"","Defined Benefit Plan, Benefit Obligation, Increase (Decrease) for Plan Amendment"},"documentation":"","Amount of increase (decrease) in benefit obligation of defined benefit plan from change in terms of existing plan or initiation of new plan."}}},"auth_ref":{"r636"},"us-gaap:DefinedBenefitPlanPlanAssetsBenefitsPaid":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanPlanAssetsBenefitsPaid"},"crd":"","credit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"negatedLabel":"","Benefit payments"},"label":"","Defined Benefit Plan, Plan Assets, Benefits Paid"},"documentation":"","Amount of payment to participant under defined benefit plan which decreases plan assets. For pension plan, payment includes, but is not limited to, pension benefits and death benefits. For other postretirement plan, payment includes, but is not limited to, prescription drug benefits, health care benefits, life insurance benefits, and legal, educational and advisory services."}}},"auth_ref":{"r644","r1532"},"us-gaap:DefinedBenefitPlanPlanAssetsForeignCurrencyTranslationGainLoss":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanPlanAssetsForeignCurrencyTranslationGainLoss"},"crd":"","credit","presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Foreign exchange valuation adjustment"},"label":"","Defined Benefit Plan, Plan Assets, Foreign Currency Translation Gain (Loss)"},"documentation":"","Amount of foreign currency translation gain (loss) which increases (decreases) plan assets of defined benefit plan."}}},"auth_ref":{"r641"},"us-gaap:DefinedBenefitPlanPlanAssetsTargetAllocationPercentage":{"xbrlyte":{"percentItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanPlanAssetsTargetAllocationPercentage"},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsPlanTargetandActualAssetAllocationDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Target Mix"},"label":"","Defined Benefit Plan, Plan Assets, Target Allocation, Percentage"},"documentation":"","Percentage of target investment allocation to total plan assets. Includes, but is not limited to, percentage on weighted-average basis if more than one plan."}}},"auth_ref":{"r649"},"msl:DefinedBenefitPlanPrepaidPensionCost":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://www.motorolasolutions.com/20241231","localname":"","DefinedBenefitPlanPrepaidPensionCost"},"crd":"","debit","calculation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails":{"parentTag":"","msl:DefinedBenefitPlanPrepaidPensionCost","weight":1.0,"order":1.0}}},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"lang":{"en-us":{"role":{"totalLabel":"","Prepaid pension cost"},"label":"","Defined Benefit Plan, Prepaid Pension Cost"},"documentation":"","Defined Benefit Plan, Prepaid Pension Cost"}}},"auth_ref":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicBenefitCost":{"xbrlyte":{"monetaryItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanRecognizedNetGainLossDueToSettlementsAndCurtailmentsAbstract"},"xbrlyte":{"stringItemType"},"nsuri":"http://fasb.org/us-gaap/2024","localname":"","DefinedBenefitPlanRecognizedNetGainLossDueToSettlementsAndCurtailmentsAbstract"},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Amortization of"},"label":"","Defined Benefit Plan, Net Periodic Benefit Cost (Credit), Gain (Loss) Due to Settlement and Curtailment [Abstract]"},"auth_ref":{"msl:DefinedBenefitPlanRequisiteServicePeriod":{"xbrlyte":{"durationItemType"},"nsuri":"http://www.motorolasolutions.com/20241231","localname":"","DefinedBenefitPlanRequisiteServicePeriod"},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Years of service required"},"label":"","Defined Benefit Plan, Requisite Service Period"},"documentation":"","Defined Benefit Plan, Requisite Service Period"}}},"auth_ref":{"msl:DefinedBenefitPlanRetirementAge":{"xbrlyte":{"durationItemType"},"nsuri":"http://www.motorolasolutions.com/20241231","localname":"","DefinedBenefitPlanRetirementAge"},"presentation":{"http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"},"lang":{"en-us":{"role":{"terseLabel":"","Retirement age"},"label":"","Defined Benefit Plan, Retirement Age"},"documentation":"","Defined Benefit Plan, Retirement Age"}}},"auth_ref":{"http://www.motorolasolutions.com/role/FairValueMeasurementsPostretirementHealthCarePlanDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsExpectedFutureBenefitPaymentsDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsPlanTargetandActualAssetAllocationDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails"},"http://www.motorolasolutions.com/role/RetirementBenefitsWeightedAverageActuarialAssumptionsUsedtoDetermineBenefitObligationsforthePlansDetails"},"

"http://www.motorolasolutions.com/role/RetirementBenefitsWeightedAverageActuarialAssumptionsUsedtoDetermineCostsforthePlansDetails"/>,"lang":"en-us","role":{"terseLabel":"Postretirement Health Care Benefits Plan","label":"Postretirement Health Coverage [Member]","documentation":"Plan designed to provide postretirement health benefits to retiree or beneficiary. Includes, but is not limited to, defined benefit and defined contribution plans."}}},"auth ref":["14","us-gaap DefinedBenefitPostretirementLifeInsuranceMember":{"xbrlytype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedBenefitPostretirementLifeInsuranceMember","presentation":["http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"/>,"lang":"en-us","role":{"terseLabel":"Split-dollar Life Insurance Arrangement","label":"Postretirement Life Insurance [Member]","documentation":"Plan designed to provide postretirement life insurance benefits to retiree or beneficiary. Includes, but is not limited to, defined benefit and defined contribution plans."}}},"auth ref":["14","us-gaap DefinedContributionPlanCostRecognized":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedContributionPlanCostRecognized","crdr":"debit","presentation":["http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"/>,"lang":"en-us","role":{"terseLabel":"Defined contribution plan, expenses for material defined contribution plans","label":"Defined Contribution Plan, Cost","documentation":"Amount of cost for defined contribution plan."}}},"auth ref":["699"]},"us-gaap DefinedContributionPlanEmployerDiscretionaryContributionAmount":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DefinedContributionPlanEmployerDiscretionaryContributionAmount","crdr":"debit","presentation":["http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails"/>,"lang":"en-us","role":{"terseLabel":"Defined contribution plan, discretionary matching contributions made during period","label":"Defined Contribution Plan, Employer Discretionary Contribution Amount","documentation":"Amount of discretionary contributions made by an employer to a defined contribution plan."}}},"auth ref":["14","us-gaap Depreciation":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"Depreciation","crdr":"debit","presentation":["http://www.motorolasolutions.com/role/InformationbySegmentandGeographicRegionCorporateRelatedExpensesandAssetsDetails"/>,"http://www.motorolasolutions.com/role/OtherFinancialDataPropertyPlantandEquipmentNetAdditionalInformationDetails"/>,"lang":"en-us","role":{"terseLabel":"Depreciation expense","verboseLabel":"Depreciation Expense","label":"Depreciation","documentation":"The amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation."}}},"auth ref":["14","54","54"]},"us-gaap DepreciationDepletionAndAmortization":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DepreciationDepletionAndAmortization","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"/>,"parentTag":"us-gaap NetCashProvidedByUsedInOperatingActivities","weight":1.0,"order":2.0}}},"presentation":["http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"/>,"lang":"en-us","role":{"terseLabel":"Depreciation and amortization","label":"Depreciation, Depletion and Amortization","documentation":"The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets."}}},"auth ref":["14","380","391","409","1191","1192"]},"msl DepreciationTaxBasisDifferencesOnFixedAssets":{"xbrlytype":"monetaryItemType","nsuri":"http://www.motorolasolutions.com/20241231","localname":"DepreciationTaxBasisDifferencesOnFixedAssets","crdr":"debit","calculation":["http://www.motorolasolutions.com/role/IncomeTaxesComponentsofDeferredTaxAssetsandLiabilitiesDetails"/>,"parentTag":"us-gaap DeferredTaxAssetsLiabilitiesNet","weight":1.0,"order":1.0}}},"presentation":["http://www.motorolasolutions.com/role/IncomeTaxesComponentsofDeferredTaxAssetsandLiabilitiesDetails"/>,"lang":"en-us","role":{"terseLabel":"Depreciation tax basis differences on fixed assets","label":"Depreciation Tax Basis Differences On Fixed Assets","documentation":"Depreciation Tax Basis Differences On Fixed Assets"}}},"auth ref":["14","us-gaap DerivativeContractTypeDomain":{"xbrlytype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeContractTypeDomain","presentation":["http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentandDerivativesDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementAdditionalInformationDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementEffectOfDerivativesDesignatedasHedgingInstrumentsDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementSummaryofFairValuesandLocationinCondensedConsolidatedBalanceSheetDetails"/>,"lang":"en-us","role":{"terseLabel":"Derivative Contract [Domain]","verboseLabel":"Derivative Contract [Domain]","label":"Derivative Contract [Domain]","documentation":"Financial instrument or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset."}}},"auth ref":["1075","1078","1090","1091","1092","1093","1094","1095","1096","1099","1100","1101","1102","1112","1113","1114","1115","1118","1119","1120","1121","1123","1139","1140","1143","1144","1125","1277","1585","1586","1587","1588","1589","1590","1592","1593"]},"us-gaap DerivativeFairValueOfDerivativeAsset":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeFairValueOfDerivativeAsset","crdr":"debit","presentation":["http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentandDerivativesDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementSummaryofFairValuesandLocationinCondensedConsolidatedBalanceSheetDetails"/>,"lang":"en-us","role":{"terseLabel":"Fair value of derivative assets","verboseLabel":"Derivative Assets","label":"Derivative Asset, Subject to Master Netting Arrangement, before Offset","documentation":"Fair value, before effects of master netting arrangements, of a financial asset or other contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes assets elected not to be offset. Excludes assets not subject to a master netting arrangement."}}},"auth ref":["26","143","195","196","309","1181"]},"us-gaap DerivativeFairValueOfDerivativeLiability":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeFairValueOfDerivativeLiability","crdr":"credit","presentation":["http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentandDerivativesDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementSummaryofFairValuesandLocationinCondensedConsolidatedBalanceSheetDetails"/>,"lang":"en-us","role":{"terseLabel":"Fair value of derivative liabilities","verboseLabel":"Derivative Liabilities","label":"Derivative Liability, Subject to Master Netting Arrangement, before Offset","documentation":"Fair value, before effects of master netting arrangements, of a financial liability or contract with one or more underlyings, notional amount or payment provision or both, and the contract can be net settled by means outside the contract or delivery of an asset. Includes liabilities elected not to be offset. Excludes liabilities not subject to a master netting arrangement."}}},"auth ref":["26","143","195","196","309","1181"]},"us-gaap DerivativeGainLossOnDerivativeNet":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeGainLossOnDerivativeNet","crdr":"credit","presentation":["http://www.motorolasolutions.com/role/RiskManagementAdditionalInformationDetails"/>,"lang":"en-us","role":{"negatedTerseLabel":"Net settlement loss","label":"Derivative Gain (Loss) on Derivative, Net","documentation":"Amount of increase (decrease) in fair value of derivative instrument recognized in the income statement."}}},"auth ref":["1577"]},"us-gaap DerivativeInstrumentRiskAxis":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeInstrumentRiskAxis","presentation":["http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentandDerivativesDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementAdditionalInformationDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementEffectOfDerivativesDesignatedasHedgingInstrumentsDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementSummaryofFairValuesandLocationinCondensedConsolidatedBalanceSheetDetails"/>,"lang":"en-us","role":{"terseLabel":"Derivative Instrument [Axis]","verboseLabel":"Derivative Instrument [Axis]","label":"Derivative Instrument [Axis]","documentation":"Information by type of derivative contract."}}},"auth ref":["103","106","108","197","1075","1078","1090","1091","1092","1093","1094","1095","1096","1099","1100","1101","1102","1112","1113","1114","1115","1118","1119","1120","1121","1123","1139","1140","1143","1144","1125","1277","1585","1586","1587","1588","1589","1590","1592","1593"]},"us-gaap DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeInstrumentsAndHedgingActivitiesDisclosureAbstract","lang":"en-us","role":{"terseLabel":"Derivative Instruments and Hedging Activities Disclosure [Abstract]","label":"Derivative Instruments and Hedging Activities Disclosure [Abstract]","documentation":"The entire disclosure for derivative instruments and hedging activities including, but not limited to, risk management strategies, non-hedging derivative instruments, assets, liabilities, revenue and expenses, and methodologies and assumptions used in determining the amounts."}}},"auth ref":["194","822","834"]},"us-gaap DerivativeInstrumentsAndHedgingActivitiesDisclosuresInclItems":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeInstrumentsAndHedgingActivitiesDisclosuresInclItems","presentation":["http://www.motorolasolutions.com/role/RiskManagementEffectOfDerivativesDesignatedasHedgingInstrumentsDetails"/>,"lang":"en-us","role":{"terseLabel":"Derivative Instruments and Hedging Activities Disclosures [Line Items]","label":"Derivative Instruments and Hedging Activities Disclosures [Line Items]","documentation":"Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table."}}},"auth ref":["14","us-gaap DerivativeInstrumentsAndHedgingActivitiesDisclosuresTable":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeInstrumentsAndHedgingActivitiesDisclosuresTable","presentation":["http://www.motorolasolutions.com/role/RiskManagementEffectOfDerivativesDesignatedasHedgingInstrumentsDetails"/>,"lang":"en-us","role":{"terseLabel":"Derivative Instruments and Hedging Activities Disclosures [Table]","label":"Derivative Instruments and Hedging Activities Disclosures [Table]","documentation":"Disclosure of information about derivatives and hedging activities."}}},"auth ref":["14","us-gaap DerivativeInstrumentsGainLossByHedgingRelationshipAxis":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeInstrumentsGainLossByHedgingRelationshipAxis","presentation":["http://www.motorolasolutions.com/role/RiskManagementAdditionalInformationDetails"/>,"lang":"en-us","role":{"terseLabel":"Hedging Relationship [Axis]","label":"Hedging Relationship [Axis]","documentation":"Information by type of hedging relationship."}}},"auth ref":["22","103","106"]},"us-gaap DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsGainLossNet":{"xbrlytype":"monetaryItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeInstrumentsNotDesignatedAsHedgingInstrumentsGainLossNet","crdr":"credit","presentation":["http://www.motorolasolutions.com/role/RiskManagementEffectOfDerivativesDesignatedasHedgingInstrumentsDetails"/>,"lang":"en-us","role":{"terseLabel":"Equity swap contracts","label":"Derivative Instruments Not Designated as Hedging Instruments, Gain (Loss), Net","documentation":"Amount of realized and unrealized gain (loss) of derivative instruments not designated or qualifying as hedging instruments."}}},"auth ref":["107","1408"]},"us-gaap DerivativeLineItems":{"xbrlytype":"stringItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"DerivativeLineItems","presentation":["http://www.motorolasolutions.com/role/RiskManagementAdditionalInformationDetails"/>,"http://www.motorolasolutions.com/role/RiskManagementSummaryofFairValuesandLocationinCondensedConsolidatedBalanceSheetDetails"/>,"lang":"en-us","role":{"terseLabel":"Derivative [Line Items]","label":"Derivative [Line Items]","documentation":"Line items represent financial concepts included in a table. 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Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)."}},auth ref":["123"]},"dei DocumentAnnualReport":{"xbrlytype":"booleanItemType","nsuri":"http://xbrl.sec.gov/dei/2024","localname":>

[illegible]

tax expense (benefit) computed by applying domestic federal statutory income tax rate to pretax income (loss) from continuing operation, attributable to expense for award under share-based payment arrangement. Excludes expense determined to be nondeductible upon grant or after for award under share-based payment arrangement." } } }, "auth ref": { "r1402", "r1562", "r1563" } } }, "us-gaap EffectiveIncomeTaxRateReconciliationStateAndLocalIncomeTaxes": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationStateAndLocalIncomeTaxes", "calculation": { "http://www.motorolasolutions.com/role/IncomeTaxFederalStatutoryTaxRateandIncomeTaxExpenseDetails": { "parent tag": "us-gaap EffectiveIncomeTaxRateContinuingOperations", "weight": 1.0, "order": 2.0 } }, "presentation": { "http://www.motorolasolutions.com/role/IncomeTaxFederalStatutoryTaxRateandIncomeTaxExpenseDetails": { "lang": { "en-us": { "role": { "terseLabel": "State income taxes, net of federal benefit", "label": "Effective Income Tax Rate Reconciliation, State and Local Income Taxes, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations applicable to state and local income tax expense (benefit), net of federal tax expense (benefit).", "auth ref": { "r756", "r1239", "r1445", "r1562" } } }, "us-gaap EffectiveIncomeTaxRateReconciliationTaxCreditsResearch": { "xbrltype": "percentItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EffectiveIncomeTaxRateReconciliationTaxCreditsResearch", "calculation": { "http://www.motorolasolutions.com/role/IncomeTaxFederalStatutoryTaxRateandIncomeTaxExpenseDetails": { "parent tag": "us-gaap EffectiveIncomeTaxRateContinuingOperations", "weight": -1.0, "order": 7.0 } }, "presentation": { "http://www.motorolasolutions.com/role/IncomeTaxFederalStatutoryTaxRateandIncomeTaxExpenseDetails": { "lang": { "en-us": { "role": { "negatedTerseLabel": "Research credits", "label": "Effective Income Tax Rate Reconciliation, Tax Credit, Research, Percent", "documentation": "Percentage of the difference between reported income tax expense (benefit) and expected income tax expense (benefit) computed by applying the domestic federal statutory income tax rates to pretax income (loss) from continuing operations attributable to research tax credit.", "auth ref": { "r1239", "r1445", "r1562" } } } }, "us-gaap EmployeeRelatedLiabilitiesCurrent": { "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EmployeeRelatedLiabilitiesCurrent", "crdr": "credit", "calculation": { "http://www.motorolasolutions.com/role/OtherFinancialDataAccruedLiabilitiesDetails": { "parent tag": "us-gaap AccruedLiabilitiesCurrent", "weight": 1.0, "order": 1.0 } }, "presentation": { "http://www.motorolasolutions.com/role/OtherFinancialDataAccruedLiabilitiesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Compensation", "label": "Employee-related Liabilities, Current", "documentation": "Total of the carrying values as of the balance sheet date of obligations incurred through that date and payable for obligations related to services received from employees, such as accrued salaries and bonuses, payroll taxes and fringe benefits. 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Where multiple classes or units exist define each class/interest by adding class of stock items such as Common Class A [Member], Common Class B [Member] or Partnership Interest [Member] onto the Instrument [Domain] of the Entity Listings, Instrument." } } }, "auth ref": { "r1" } }, "dei EntityCurrentReportingStatus": { "xbrltype": "yesNoItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityCurrentReportingStatus", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Current Reporting Status", "label": "Entity Current Reporting Status", "documentation": "Indicate 'Yes' or 'No' whether registrants (1) have filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. 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The field allows up to 17 characters. The prefix may contain 1-3 digits, the sequence number may contain 1-8 digits, the optional suffix may contain 1-4 characters, and the fields are separated with a hyphen." } } }, "auth ref": { "r1" } }, "dei EntityFilerCategory": { "xbrltype": "filerCategoryItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityFilerCategory", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Filer Category", "label": "Entity Filer Category", "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure." } } }, "auth ref": { "r1287" } } }, "dei EntityIncorporationStateCountryCode": { "xbrltype": "edgarStateCountryItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityIncorporationStateCountryCode", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Incorporation, State or Country Code", "label": "Entity Incorporation, State or Country Code", "documentation": "Two character EDGAR code representing the state or country of incorporation." } } }, "auth ref": { "r1" } }, "dei EntityInteractiveDataCurrent": { "xbrltype": "yesNoItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityInteractiveDataCurrent", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Interactive Data Current", "label": "Entity Interactive Data Current", "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)." } } }, "auth ref": { "r1397" } } }, "dei EntityPublicFloat": { "xbrltype": "monetaryItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityPublicFloat", "crdr": "credit", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Public Float", "label": "Entity Public Float", "documentation": "The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold, or the average bid and asked price of such common equity, as of the last business day of the registrant's most recently completed second fiscal quarter." } } }, "auth ref": { "r1" } }, "dei EntityRegistrantName": { "xbrltype": "normalizedStringItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityRegistrantName", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Registrant Name", "label": "Entity Registrant Name", "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC." } } }, "auth ref": { "r1287" } } }, "dei EntityShellCompany": { "xbrltype": "booleanItemtype", "nsuri": "http://xbrl.sec.gov/dei/2024", "localname": "EntityShellCompany", "presentation": { "http://www.motorolasolutions.com/role/CoverPage": { "lang": { "en-us": { "role": { "terseLabel": "Entity Shell Company", "label": "Entity Shell Company", "documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange 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Securities Act. Is used on Form Type: 10-K, 10-Q, 8-K, 20-F, 6-K, 10-K/A, 10-Q/A, 20-F/A, 6-K/A, N-CSR, N-Q, N-1A." } } }, "auth ref": { "r1398" } } }, "us-gaap EntityWideInformationRevenueFromExternalCustomerLineItems": { "xbrltype": "stringItemtype", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EntityWideInformationRevenueFromExternalCustomerLineItems", "presentation": { "http://www.motorolasolutions.com/role/RevenuefromContractswithCustomersContractCostsBalancesDetails": { "lang": { "en-us": { "role": { "terseLabel": "Revenue from External Customer [Line Items]", "label": "Revenue from External Customer [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." } } }, "auth ref": { "r1" } }, "us-gaap EnvironmentalCostsPolicy": { "xbrltype": "textBlockItemtype", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EnvironmentalCostsPolicy", "presentation": { "http://www.motorolasolutions.com/role/SummaryofSignificantAccountingPoliciesPolicies": { "lang": { "en-us": { "role": { "terseLabel": "Environmental Liabilities", "label": "Environmental Costs, Policy [Policy Text Block]", "documentation": "Disclosure of accounting policy for obligations that resulted from improper or other-than-normal operation of a long-lived asset in the past. This accounting policy may address (1) whether the related remediation costs are expensed or capitalized, (2) whether the obligation is measured on a discounted basis, (3) the event, situation, or set of circumstances that generally triggers recognition of loss contingencies arising from the entity's environmental remediation-related obligations, and (4) the timing of recognition of any recoveries." } } }, "auth ref": { "r536", "r537", "r555", "r1206", "r1401" } } }, "us-gaap EnvironmentalRemediationExpense": { "xbrltype": "monetaryItemtype", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EnvironmentalRemediationExpense", "crdr": "debit", "calculation": { "http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeDetails": { "parent tag": "us-gaap OtherCostAndExpenseOperating", "weight": 1.0, "order": 8.0 } }, "presentation": { "http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeDetails": { "lang": { "en-us": { "role": { "terseLabel": "Environmental reserve expense", "label": "Environmental Remediation Expense, before Recovery", "documentation": "Amount, before recovery, of expense for known and estimated future costs arising from requirement to perform environmental remediation." } } }, "auth ref": { "r1205", "r1399", "r1400" } } }, "us-gaap EnvironmentalRemediationExpenseAfterRecovery": { "xbrltype": "monetaryItemtype", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EnvironmentalRemediationExpenseAfterRecovery", "crdr": "debit", "presentation": { "http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeAdditionalInformationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Environmental reserve expense", "label": "Environmental Remediation Expense, after Recovery", "documentation": "Amount, after recovery, of expense for known and estimated future costs arising from requirement to perform environmental remediation." } } }, "auth ref": { "r1403", "r1510" } } }, "us-gaap EnvironmentalRemediationMember": { "xbrltype": "domainItemtype", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EnvironmentalRemediationMember", "presentation": { "http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeAdditionalInformationDetails": { "lang": { "en-us": { "role": { "terseLabel": "Environmental Remediation", "label": "Environmental Remediation [Member]", "documentation": "Removal of contaminant from environmental media including, but not limited to, soil, groundwater, sediment and surface water." } } }, "auth ref": { "r1527" } } }, "ced EqtyAwrdsAdjFnTextBlock": { "xbrltype": "textBlockItemtype", "nsuri": "http://xbrl.sec.gov/ced/2024", "localname": "EqtyAwrdsAdjFnTextBlock", "presentation": { "http://xbrl.sec.gov/ced/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Footnote", "label": "Equity Awards Adjustments, Footnote [Text Block]", "documentation": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table [Member]" } } }, "auth ref": { "r1340" } } }, "ced EqtyAwrdsAdjExclVlRptdInSummaryCompstnTblMember": { "xbrltype": "domainItemtype", "nsuri": "http://xbrl.sec.gov/ced/2024", "localname": "EqtyAwrdsAdjExclVlRptdInSummaryCompstnTblMember", "presentation": { "http://xbrl.sec.gov/ced/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments, Excluding Value Reported in Compensation Table [Member]", "label": "Equity Awards Adjustments, Excluding Value Reported in the Compensation Table [Member]" } } }, "auth ref": { "r1393" } } }, "ced EqtyAwrdsAdjMember": { "xbrltype": "domainItemtype", "nsuri": "http://xbrl.sec.gov/ced/2024", "localname": "EqtyAwrdsAdjMember", "presentation": { "http://xbrl.sec.gov/ced/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Equity Awards Adjustments", "label": "Equity Awards Adjustments [Member]" } } }, "auth ref": { "r1393" } } }, "ced EqtyAwrdsInSummaryCompstnTblForApblYrMember": { "xbrltype": "domainItemtype", "nsuri": "http://xbrl.sec.gov/ced/2024", "localname": "EqtyAwrdsInSummaryCompstnTblForApblYrMember", "presentation": { "http://xbrl.sec.gov/ced/role/PvpDisclosure": { "lang": { "en-us": { "role": { "terseLabel": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table", "label": "Aggregate Grant Date Fair Value of Equity Award Amounts Reported in Summary Compensation Table [Member]" } } }, "auth ref": { "r1393" } } }, "us-gaap EquityComponentDomain": { "xbrltype": "domainItemtype", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquityComponentDomain", "presentation": {

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This is not an indicator of the fair value of the investment, rather it is the initial cost adjusted for the entity's share of earnings and losses of the investee, adjusted for any distributions (dividends) and other than temporary impairment (OTTI) losses recognized." }, "auth ref": "r380", "r397", "r409", "r461", "r472", "r1473" }, "us-gaap EquitySecuritiesFvNI", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNI", "crdr": "debit", "calculation": "http://www.motorolasolutions.com/role/OtherFinancialDataInvestmentsDetails", "parentTag": "us-gaap LongTermInvestments", "weight": 1.0, "order": 1.0 }, "presentation": "http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentsandDerivativesDetails", "http://www.motorolasolutions.com/role/OtherFinancialDataInvestmentsDetails", "lang": "en-us", "role": "terseLabel", "Common stock", "verboseLabel": "Common stock and equivalents", "label": "Equity Securities, FV-NI, Current", "documentation": "Amount of investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI), classified as current." }, "auth ref": "r296", "r870", "r1180" }, "us-gaap EquitySecuritiesFvNIRealizedGainLoss", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesFvNIRealizedGainLoss", "crdr": "credit", "calculation": "http://www.motorolasolutions.com/role/OtherFinancialDataOtherIncomeExpenseDetails", "parentTag": "us-gaap OtherNonoperatingIncomeExpense", "weight": 1.0, "order": 5.0 }, "presentation": "http://www.motorolasolutions.com/role/OtherFinancialDataOtherIncomeExpenseDetails", "lang": "en-us", "role": "terseLabel", "Fair value adjustments to equity investments", "label": "Equity Securities, FV-NI, Realized Gain (Loss)", "documentation": "Amount of realized gain (loss) from sale of investment in equity security measured at fair value with change in fair value recognized in net income (FV-NI)." }, "auth ref": "r1017", "r1472", "us-gaap EquitySecuritiesWithoutReadilyDeterminableFairValueAmount", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySecuritiesWithoutReadilyDeterminableFairValueAmount", "crdr": "debit", "calculation": "http://www.motorolasolutions.com/role/OtherFinancialDataInvestmentsDetails", "parentTag": "us-gaap LongTermInvestments", "weight": 1.0, "order": 2.0 }, "presentation": "http://www.motorolasolutions.com/role/OtherFinancialDataInvestmentsDetails", "lang": "en-us", "role": "terseLabel", "Strategic investments, at cost", "label": "Equity Securities without Readily Determinable Fair Value, Amount", "documentation": "Amount of investment in equity security without readily determinable fair value." }, "auth ref": "r460", "us-gaap EquitySwapMember", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EquitySwapMember", "presentation": "http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentsandDerivativesDetails", "http://www.motorolasolutions.com/role/RiskManagementEffectDerivativesDesignatedasHedgingInstrumentsDetails", "http://www.motorolasolutions.com/role/RiskManagementSummaryoffFairValuesandLocationinCondensedConsolidatedBalanceSheetDetails", "lang": "en-us", "role": "terseLabel", "Equity Swap", "label": "Equity Swap [Member]", "documentation": "Contracts in which the counterparties exchange a series of cash payments based on (a) an equity index and (b) a fixed or floating interest rate on a notional principal amount. Equity swap contracts typically are tied to a stock index, but sometimes they relate to a particular stock or a defined basket of stocks." }, "auth ref": "r210", "ecd EquityValuationAssumptionDifferenceFnTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "EquityValuationAssumptionDifferenceFnTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/PopDisclosure", "lang": "en-us", "role": "terseLabel", "Equity Valuation Assumption Difference, Footnote", "label": "Equity Valuation Assumption Difference, Footnote [Text Block]", "auth ref": "r1350", "ecd ErrCompAnalysisTextBlock", "xbrltype": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompAnalysisTextBlock", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": "en-us", "role": "terseLabel", "Erroneous Compensation Analysis", "label": "Erroneous Compensation Analysis [Text Block]", "auth ref": "r1307", "r1318", "r1328", "r1361", "ecd ErrCompRecoveryTable", "xbrltype": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024", "localname": "ErrCompRecoveryTable", "presentation": "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure", "lang": "en-us", "role": "terseLabel", "Erroneously Awarded Compensation Recovery", "label": "Erroneously Awarded Compensation Recovery [Table]", "auth ref": "r1304", "r1315", "r1325", "r1358", "us-gaap EscrowDeposit", "xbrltype": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EscrowDeposit", "crdr": "debit", "presentation": "http://www.motorolasolutions.com/role/CommitmentsandContingenciesDetails", "lang": "en-us", "role": "terseLabel", "Escrow deposit", "label": "Escrow Deposit", "documentation": "The designation of funds furnished by a borrower to a lender to assure future payments of the borrower's real estate taxes and insurance obligations with respect to a mortgaged property. Escrow deposits may be made for a variety of other purposes such as earnest money and contingent payments. This element excludes replacement reserves which are an escrow separately provided for within the US GAAP taxonomy." }, "auth ref": "r199", "r4160", "msi EsspPurchaseThroughPayrollDeductions", "xbrltype": "percentItemType", "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "EsspPurchaseThroughPayrollDeductions", "presentation": "http://www.motorolasolutions.com/role/ShareBasedCompensationandOtherIncentivePlansAdditionalInformationDetails", "lang": "en-us", "role": "terseLabel", "ESSP common stock payroll deductions after-tax, maximum percentage", "label": "ESSP Purchase Through Payroll Deductions", "documentation": "ESSP Purchase Through Payroll Deductions", "auth ref": "us-gaap EstimateOffairValueFairValueDisclosureMember", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "EstimateOffairValueFairValueDisclosureMember", "presentation": "http://www.motorolasolutions.com/role/FairValueMeasurementsAdditionalInformationDetails", 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Such disclosures about the financial instruments, assets, and liabilities would include: (1) the fair value of the required items together with their carrying amounts (as appropriate); (2) for items for which it is not practicable to estimate fair value, disclosure would include: (a) information pertinent to estimating fair value (including, carrying amount, effective interest rate, and maturity; and (b) the reasons why it is not practicable to estimate fair value; (3) significant concentrations of credit risk including: (a) information about the activity, region, or economic characteristics identifying a concentration; (b) the maximum amount of loss the entity is exposed to based on the gross fair value of the related item; (c) policy for requiring collateral or other security and information as to accessing such collateral or security; and (d) the nature and brief description of such collateral or security; (4) quantitative information about market risks and how such risks are managed; (5) for items measured on both a recurring and nonrecurring basis information regarding the inputs used to develop the fair value measurement; and (6) for items presented in the financial statement for which fair value measurement is elected: (a) information necessary to understand the reasons for the election; (b) discussion of the effect of fair value changes on earnings; (c) a description of [similar groups] items for which the election is made and the relation thereof to the balance sheet; the aggregate carrying value of items included in the balance sheet that are not eligible for the election; (7) all other required (as defined) and desired information." }, "auth ref": "r855", "r857", "r858", "r859", "r862", "r863", "r864", "r865", "r866", "r987", "r1243", "r1249", "us-gaap FairValueInputsLevel1Member", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel1Member", "presentation": "http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentsandDerivativesDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsNonUSPensionBenefitPlansDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsPostretirementHealthCarePlanDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsUSPensionBenefitPlansDetails", "lang": "en-us", "role": "terseLabel", "Level1", "label": "Fair Value, Inputs, Level 1 [Member]", "documentation": "Quoted prices in active markets for identical assets or liabilities that the reporting entity can access at the measurement date." }, "auth ref": "r581", "r652", "r657", "r848", "r860", "r923", "r1225", "r1226", "r1227", "r1243", "us-gaap FairValueInputsLevel2Member", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel2Member", "presentation": "http://www.motorolasolutions.com/role/FairValueMeasurementsAdditionalInformationDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentsandDerivativesDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsNonUSPensionBenefitPlansDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsPostretirementHealthCarePlanDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsUSPensionBenefitPlansDetails", "lang": "en-us", "role": "terseLabel", "Level2", "label": "Fair Value, Inputs, Level 2 [Member]", "documentation": "Inputs other than quoted prices included within level 1 that are observable for an asset or liability, either directly or indirectly, including, but not limited to, quoted prices for similar assets or liabilities in active markets, or quoted prices for identical or similar assets or liabilities in inactive markets." }, "auth ref": "r581", "r652", "r657", "r848", "r860", "r924", "r1212", "r1213", "r1225", "r1226", "r1227", "r1243", "us-gaap FairValueInputsLevel3Member", "xbrltype": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "FairValueInputsLevel3Member", "presentation": "http://www.motorolasolutions.com/role/FairValueMeasurementsChangesinFairValueoffLevel3AssetsDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsPostretirementHealthCarePlanDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsUSPensionBenefitPlansDetails", "lang": "en-us", "role": "terseLabel", "Level 3", "label": "Fair Value, Inputs, Level 3 [Member]", "documentation": "Unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing." }, "auth ref": "r581", "r652", "r653", "r654", "r655", "r656", "r657", "r848", "r849", "r850", "r851", "r860", "r925", "r1212", "r1213", "r1225", "r1226", "r1227", "r1243", "r1248", "us-gaap FairValueMeasurementFrequencyDomain", "xbrltype": "domainItemType", "nsuri":

[http://www.motorolasolutions.com/role/FairValueMeasurementsAdditionalInformationDetails](#), "[http://www.motorolasolutions.com/role/FairValueMeasurementsInvestmentAndDerivativesDetails](#)", "[http://www.motorolasolutions.com/role/FairValueMeasurementsNonUSPensionBenefitPlansDetails](#)", "[http://www.motorolasolutions.com/role/FairValueMeasurementsPostretirementHealthCarePlanDetails](#)", "[http://www.motorolasolutions.com/role/FairValueMeasurementsUSPensionBenefitPlansDetails](#)". 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Disclosure includes, but are not limited to, how an entity manages a group of financial assets and liabilities on the basis of its net exposure measures the fair value of those assets and liabilities." } } } , "auth.ref": { "+052; +061; +1246"} } } . 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Includes, but is not limited to, reconciliation of undiscounted cash flows to finance lease liability recognized in statement of financial position." } } } , "auth.ref": { "+1604"} } } . us-gAAP Financial Asset Not Past Due Member": { "xhtml:type": "domainItemType", "nsuri": "http://fasb.org/us-gAAP/2024/, "localname": "Financial Asset Not Past Due Member", "presentation": { "http://www.motorolasolutions.com/role/LongtermFinancingandSalesoffReceivablesCreditQualityoffongTermReceivablesandAllowanceforCredittLossesDetails", "lang": { "en-us": { "role": { "terseLabel": "CurrenttuoObligedDue", "label": "Financial Asset, Not Past Due [Member]", "documentation": "Financial asset not past due." } } } , "auth.ref": { "+477; +1200"} } } . 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Generally, only investments with original maturities of three months or less qualify as cash equivalents by definition. Original maturity means an original maturity to the entity holding the investment. For example, both a three-month US Treasury bill and a three-year Treasury note purchased three months from maturity qualify as cash equivalents. However, a Treasury note purchased three years ago does not become a cash equivalent when its remaining maturity is three months."}}], "auth ref": [{"r1}], "msi MotorolaIncentivePlanMember": {"xbrlType": "domainItemType", "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "MotorolaIncentivePlanMember", "presentation": ["http://www.motorolasolutions.com/role/ShareBasedCompensationAndOtherIncentivePlansAdditionalInformationDetails"]}, "lang": {"en-us": {"role": {"terseLabel": "Motorola Incentive Plan"}, "label": "Motorola Incentive Plan [Member]"}, "documentation": "Motorola Incentive Plan [Member]"}}], "auth ref": [{"r1}], "us-gaap MovementInValuationAllowancesAndReservesRollForward": {"xbrlType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "MovementInValuationAllowancesAndReservesRollForward", "presentation": ["http://www.motorolasolutions.com/role/ValuationandQualifyingAccountsDetails"]}, "lang": {"en-us": {"role": {"terseLabel": "SEC Schedule, 12-09, Movement in Valuation Allowances and Reserves Roll Forward"}, "label": "SEC Schedule, 12-09, Movement in Valuation Allowances and Reserves Roll Forward"}, "documentation": "A roll forward is a reconciliation of a concept from the beginning of a period to the end of a period."}}], "auth ref": [{"r1}], "cd-MtrTermsOffrdArrTextBlock": {"xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/cd/2024", "localname": "MtrTermsOffrdArrTextBlock", "presentation": ["http://xbrl.sec.gov/cd/role/InsiderTradingArrangements"]}, "lang": {"en-us": {"role": {"terseLabel": "Material Terms of Trading Arrangement"}, "label": "Material Terms of Trading Arrangement [Text Block]"}]}, "auth ref": [{"r1376}], "msi MunicipalLeasesSecuredTaxExemptMember": {"xbrlType": "domainItemType", "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "MunicipalLeasesSecuredTaxExemptMember", "presentation": ["http://www.motorolasolutions.com/role/LongtermFinancingandSalesofReceivablesCreditQualityoffLongTermReceivablesandAllowanceforCreditLossesDetails"]}, "lang": {"en-us": {"role": {"terseLabel": "Municipal leases secured tax exempt"}, "label": "Municipal Leases Secured Tax Exempt [Member]"}, "documentation": "Municipal Leases Secured Tax Exempt [Member]"}}], "auth ref": [{"r1}], "cd-NamedExecutiveOfficersFnTextBlock": {"xbrlType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/cd/2024", "localname": "NamedExecutiveOfficersFnTextBlock", "presentation": ["http://xbrl.sec.gov/cd/role/PvpDisclosure"]}, "lang": {"en-us": {"role": {"terseLabel": "Named Executive Officers, Footnote"}, "label": "Named Executive Officers, Footnote [Text Block]"}]}, "auth ref": [{"r1349}], "us-gaap NetCashProvidedByUsedInFinancingActivities": {"xbrlType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "NetCashProvidedByUsedInFinancingActivities", "crd": "debit", "calculation": ["http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"], "parentTag": "us-gaap CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect", "weight": 1.0, "order": 3.0}}, "presentation": ["http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"]}, "lang": {"en-us": {"role": {"totalLabel": "Net cash used for financing activities"}, "label": "Net Cash Provided by (Used in) Financing Activities"}, "documentation": "Amount of cash inflow (outflow) from financing activities, including discontinued operations. 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[illegible]

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This accounting policy may address (1) the types of plans sponsored by the entity, and the benefits provided by each plan (2) groups that participate in (or are covered by) each plan (3) how plan assets, liabilities and expenses are measured, including the use of any actuarial and (4) significant assumptions used by the entity to value plan assets and liabilities and how such assumptions are derived."}}},"auth ref":{"r74","r75","r76"},"us-gaap_PensionPlansDefinedBenefitMember":{"xbrltype":"domainItemType","nsuri":"http://fasb.org/us-gaap/2024","localname":"PensionPlansDefinedBenefitMember","presentation":{"

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Excludes write-down of intangible asset acquired in business combination or from joint venture formation or both, used in research and development activity." } }, { "auth ref": "r743", "r172", "r191", "r1613"/>, { "us-gaap ResearchAndDevelopmentExpenseMember": { "xbrliType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024/", "localname": "ResearchAndDevelopmentExpenseMember", "presentation": "I" } } } } "http://www.motorolasolutions.com/role/ShareBasedCompensationandOtherIncentivePlansScheduledCompensationExpenseDetails"/>, "lang": "en-us"; { "role": { "terseLabel": "Research and development expenditures", "label": "Research and Development Expense [Member]", "documentation": "Primary financial statement caption in which the reported facts about research and development expense have been included." } }, { "auth ref": "f11", "ecd RestatementDateAxis": { "xbrliType": "stringItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024/", "localname": "RestatementDateAxis", "presentation": "I" } } } "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"/>, "lang": "en-us"; { "role": { "terseLabel": "Restatement Determination Date", "label": "Restatement Determination Date [Axis]" } }, { "auth ref": "r1305", "r1316", "r1326", "r1359"/>, { "ecd RestatementDeterminationDate": { "xbrliType": "dateItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024/", "localname": "RestatementDeterminationDate", "presentation": "I" } } } "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"/>, "lang": "en-us"; { "role": { "terseLabel": "Restatement Determination Date", "label": "Restatement Determination Date" } }, { "auth ref": "r1306", "r1317", "r1327", "r1360"/>, { "ecd RestatementDoesNotRequireRecoveryTextBlock": { "xbrliType": "textBlockItemType", "nsuri": "http://xbrl.sec.gov/ecd/2024/", "localname": "RestatementDoesNotRequireRecoveryTextBlock", "presentation": "I" } } } "http://xbrl.sec.gov/ecd/role/ErrCompDisclosure"/>, "lang": "en-us"; { "role": { "terseLabel": "Restatement does not require recovery", "label": "Restatement Does Not Require Recovery [Text Block]" } }, { "auth ref": "r1313", "r1324", "r1334", "r1367"/>, { "us-gaap RestrictedCash": { "xbrliType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024/", "localname": "RestrictedCash", "crdr": "debit", "presentation": "I" } } } "http://www.motorolasolutions.com/role/SummaryofSignificantAccountingPoliciesAdditionalInformationDetails"/>, "lang": "en-us"; { "role": { "terseLabel": "Restricted cash", "label": "Restricted Cash", "documentation": "Amount of cash restricted as to withdrawal or usage. 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Description of restructuring activities such as exit and disposal activities, include facts and circumstances leading to the plan, the expected plan completion date, the major types of costs associated with the plan activities, total expected costs, the accrual balance at the end of the period, and the periods over which the remaining accrual will be settled." } }, { "auth ref": "r1538", "r1539", "r1541", "r1544", "r1549"/>, { "msi RestructuringAndRelatedActivitiesReportableSegmentTableTextBlock": { "xbrliType": "textBlockItemType", "nsuri": "http://www.motorolasolutions.com/20241231/", "localname": "RestructuringAndRelatedActivitiesReportableSegmentTableTextBlock", "presentation": "I" } } } "http://www.motorolasolutions.com/role/ReorganizationofBusinessesTables"/>, "lang": "en-us"; { "role": { "verboseLabel": "Net Charges Incurred by Business Segment", "label": "Restructuring and Related Activities Reportable Segment [Table Text Block]", "documentation": "Disclosure of the net charges in restructuring reserves by business segment during the period." } }, { "auth ref": "f11", "us-gaap RestructuringCharges": { "xbrliType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024/", "localname": "RestructuringCharges", "crdr": "debit", "calculation": "I" } } } "http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeDetails"/>, { "parentTag": "us-gaap OtherCostAndExpenseOperating", "weight": 1.0, "order": 9.0 /}, { "presentation": "I" } } "http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows"/>, { "parentTag": "us-gaap NetCashProvidedByUsedInOperatingActivities", "weight": 1.0, "order": 14.0 /}, { "presentation": "I" } } } "http://www.motorolasolutions.com/role/ConsolidatedStatementsOfCashFlows", "http://www.motorolasolutions.com/role/OtherFinancialDataOtherChargesIncomeDetails"/>, "http://www.motorolasolutions.com/role/ReorganizationofBusinessesAdditionalInformationDetails"/>, "lang": "en-us"; { "role": { "verboseLabel": "Exit of video manufacturing operations", "label": "Restructuring Charges", "documentation": "Amount of expenses associated with exit or disposal activities pursuant to an authorized plan. 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Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise." }, "auth ref": "r211", "r212", "r380", "r387", "r388", "r403", "r409", "r412", "r414", "r416", "r618", "r620", "r954", "us-gaap RevenueFromContractWithCustomerPolicyTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerPolicyTextBlock", "presentation": "http://www.motorolasolutions.com/role/SummaryofSignificantAccountingPolicies", "lang": "en-us", "role": "terseLabel", "Revenue Recognition", "label": "Revenue from Contract with Customer [Policy Text Block]", "documentation": "Disclosure of accounting policy for revenue from contract with customer." }, "auth ref": "r334", "r610", "r611", "r612", "r613", "r614", "r615", "r616", "r617", "r1173", "msi RevenueFromContractWithCustomerRevenueRecognitionPeriod", "xbrliType": "durationItemType", "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "RevenueFromContractWithCustomerRevenueRecognitionPeriod", "presentation": "http://www.motorolasolutions.com/role/SummaryofSignificantAccountingPoliciesAdditionalInformationDetails", "lang": "en-us", "role": "terseLabel", "Revenue recognition period", "label": "Revenue From Contract With Customer, Revenue Recognition Period", "documentation": "Revenue From Contract With Customer, Revenue Recognition Period", "auth ref": "us-gaap RevenueFromContractWithCustomerTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueFromContractWithCustomerTextBlock", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomers", "lang": "en-us", "role": "terseLabel", "Revenue from Contracts with Customers", "label": "Revenue from Contract with Customer [Text Block]", "documentation": "The entire disclosure of revenue from contract with customer to transfer good or service and to transfer nonfinancial asset. Includes, but is not limited to, disaggregation of revenue, credit loss recognized from contract with customer, judgment and change in judgment related to contract with customer, and asset recognized from contract with customer to obtain or fulfill contract with customer. Excludes insurance and lease contracts." }, "auth ref": "r234", "r601", "r602", "r603", "r604", "r605", "r606", "r608", "r609", "r623", "us-gaap RevenueRemainingPerformanceObligation", "xbrliType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligation", "crd": "credit", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersRemainingPerformanceObligationDetails", "lang": "en-us", "role": "terseLabel", "Remaining performance obligation amount", "label": "Revenue, Remaining Performance Obligation, Amount", "documentation": "Amount of transaction price allocated to performance obligation that has not been recognized as revenue." }, "auth ref": "r229", "us-gaap RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionLineItems", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersRemainingPerformanceObligationDetails", "lang": "en-us", "role": "terseLabel", "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." }, "auth ref": "us-gaap RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod", "xbrliType": "durationItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionPeriod", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersRemainingPerformanceObligationDetails", "lang": "en-us", "role": "terseLabel", "Expected timing of satisfaction, period", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Period", "documentation": "Period in which remaining performance obligation is expected to be recognized as revenue, in 'PnYnMdTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days." }, "auth ref": "r230", "us-gaap RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionStartDateAxis", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersRemainingPerformanceObligationDetails", "lang": "en-us", "role": "terseLabel", "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction, Start Date [Axis]", "documentation": "Start date of time band for expected timing of satisfaction of remaining performance obligation, in YYYY-MM-DD format." }, "auth ref": "r230", "us-gaap RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionTable", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenueRemainingPerformanceObligationExpectedTimingOfSatisfactionTable", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersRemainingPerformanceObligationDetails", "lang": "en-us", "role": "terseLabel", "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table]", "label": "Revenue, Remaining Performance Obligation, Expected Timing of Satisfaction [Table]", "documentation": "Disclosure of information about expected timing for satisfying remaining performance obligation." }, "auth ref": "msi RevenueRemainingPerformanceObligationRemovedAmount", "xbrliType": "monetaryItemType", "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "RevenueRemainingPerformanceObligationRemovedAmount", "crd": "credit", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersRemainingPerformanceObligationDetails", "lang": "en-us", "role": "terseLabel", "Remaining performance obligations removed", "label": "Revenue, Remaining Performance Obligation Removed, Amount", "documentation": "Revenue, Remaining Performance Obligation Removed, Amount", "auth ref": "us-gaap RevenuesFromExternalCustomersAndLongLivedAssetsLineItems", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevenuesFromExternalCustomersAndLongLivedAssetsLineItems", "presentation": "http://www.motorolasolutions.com/role/InformationbySegmentandGeographicRegionGeographicAreaInformationDetails", "lang": "en-us", "role": "terseLabel", "Revenues from External Customers and Long-Lived Assets [Line Items]", "label": "Revenues from External Customers and Long-Lived Assets [Line Items]", "documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table." }, "auth ref": "us-gaap RevolvingCreditFacilityMember", "xbrliType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RevolvingCreditFacilityMember", "presentation": "http://www.motorolasolutions.com/role/DebtandCreditFacilitiesAdditionalInformationDetails", "lang": "en-us", "role": "terseLabel", "Revolving Credit Facility", "label": "Revolving Credit Facility [Member]", "documentation": "Arrangement in which loan proceeds can continuously be obtained following repayments, but the total amount borrowed cannot exceed a specified maximum amount." }, "auth ref": "us-gaap RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "xbrliType": "monetaryItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "RightOfUseAssetObtainedInExchangeForOperatingLeaseLiability", "crd": "debit", "presentation": "http://www.motorolasolutions.com/role/LeasesCashFlowsDetails", "http://www.motorolasolutions.com/role/LeasesNarrativeDetails", "lang": "en-us", "role": "terseLabel", "Right-of-use assets obtained in exchange for lease liabilities", "label": "Right-of-Use Asset Obtained in Exchange for Operating Lease Liability", "documentation": "Amount of increase in right-of-use asset obtained in exchange for operating lease liability." }, "auth ref": "r907", "r1256", "ced Rule10b51ArrAdoptedFlag", "xbrliType": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ced/2024", "localname": "Rule10b51ArrAdoptedFlag", "presentation": "http://xbrl.sec.gov/ced/roce/roce/InsiderTradingArrangements", "lang": "en-us", "role": "terseLabel", "Rule 10b5-1 Arrangement Adopted", "label": "Rule 10b5-1 Arrangement Adopted [Flag]", "auth ref": "r1376", "ced Rule10b51ArrTrmtdFlag", "xbrliType": "booleanItemType", "nsuri": "http://xbrl.sec.gov/ced/2024", "localname": "Rule10b51ArrTrmtdFlag", "presentation": "http://xbrl.sec.gov/ced/roce/roce/InsiderTradingArrangements", "lang": "en-us", "role": "terseLabel", "Rule 10b5-1 Arrangement Terminated", "label": "Rule 10b5-1 Arrangement Terminated [Flag]", "auth ref": "r1376", "us-gaap SalesChannelDirectlyToConsumerMember", "xbrliType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesChannelDirectlyToConsumerMember", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersDisaggregationOfRevenueDetails", "lang": "en-us", "role": "terseLabel", "Direct", "label": "Sales Channel, Directly to Consumer [Member]", "documentation": "Contract with customer in which good or service is transferred directly to consumer." }, "auth ref": "r1224", "us-gaap SalesRevenueSegmentMember", "xbrliType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesRevenueSegmentMember", "presentation": "http://www.motorolasolutions.com/role/RevenueFromContractsWithCustomersDisaggregationOfRevenueDetails", "lang": "en-us", "role": "terseLabel", "Indirect", "label": "Sales Channel, Through Intermediary [Member]", "documentation": "Contract with customer in which good or service is transferred through intermediary." }, "auth ref": "r1224", "us-gaap SalesRevenueSegmentMember", "xbrliType": "domainItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "SalesRevenueSegmentMember", "presentation": "http://www.motorolasolutions.com/role/InformationbySegmentandGeographicRegionAdditionalInformationDetails", "lang": "en-us", "role": "terseLabel", "Sales Revenue, Segment", "label": "Revenue, Segment Benchmark [Member]", "documentation": "Revenue from specified business segment, when it serves as benchmark in concentration of risk calculation. Includes, but is not limited to, revenue from contract with customer and other sources." }, "auth ref": "r1404", "us-gaap ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccountsNotesLoansAndFinancingReceivableTextBlock", "presentation": "http://www.motorolasolutions.com/role/OtherFinancialDataTables", "lang": "en-us", "role": "terseLabel", "Accounts Receivable, Net", "label": "Schedule of Accounts, Notes, Loans and Financing Receivable [Table Text Block]", "documentation": "Tabular disclosure of the various types of trade accounts and notes receivable and for each the gross carrying value, allowance, and net carrying value as of the balance sheet date. Presentation is categorized by current, noncurrent and unclassified receivables." }, "auth ref": "r1332", "r1339", "us-gaap ScheduleOfAccruedLiabilitiesTableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccruedLiabilitiesTableTextBlock", "presentation": "http://www.motorolasolutions.com/role/OtherFinancialDataTables", "lang": "en-us", "role": "terseLabel", "Schedule of Accrued Liabilities", "label": "Schedule of Accrued Liabilities [Table Text Block]", "documentation": "Tabular disclosure of the components of accrued liabilities." }, "auth ref": "us-gaap ScheduleOfAccumulatedBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccumulatedBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "presentation": "http://www.motorolasolutions.com/role/RetirementBenefitsTables", "lang": "en-us", "role": "terseLabel", "Accumulated Benefit Obligations For The Plans", "label": "Defined Benefit Plan, Plan with Accumulated Benefit Obligation in Excess of Plan Assets [Table Text Block]", "documentation": "Tabular disclosure of benefit obligation and plan assets of defined benefit pension plan with accumulated benefit obligation in excess of plan assets." }, "auth ref": "r1227", "r1530", "us-gaap ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAccumulatedOtherComprehensiveIncomeLossTableTextBlock", "presentation": "http://www.motorolasolutions.com/role/OtherFinancialDataTables", "lang": "en-us", "role": "terseLabel", "Changes in Accumulated Other Comprehensive Loss", "label": "Schedule of Accumulated Other Comprehensive Income (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the components of accumulated other comprehensive income (loss).", "auth ref": "r133", "r1596", "r1597", "us-gaap ScheduleOfAcquiredFiniteLivedIntangibleAssetByMajorClassTable", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAcquiredFiniteLivedIntangibleAssetByMajorClassTable", "presentation": "http://www.motorolasolutions.com/role/IntangibleAssetsandGoodwillAmortizedIntangibleAssetsExcludingGoodwillbyBusinessSegmentDetails", "lang": "en-us", "role": "terseLabel", "Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table]", "label": "Schedule of Acquired Finite-Lived Intangible Asset by Major Class [Table]", "documentation": "Disclosure of information about acquired finite-lived intangible asset by major class." }, "auth ref": "r506", "r507", "r508", "r510", "r512", "us-gaap ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfAntidilutiveSecuritiesExcludedFromComputationOfEarningsPerShareTable", "presentation": "http://www.motorolasolutions.com/role/OtherFinancialDataEarningsPerCommonShareDetails", "lang": "en-us", "role": "terseLabel", "Antidilutive Security, Excluded EPS Calculation [Table]", "label": "Antidilutive Security, Excluded EPS Calculation [Table]", "documentation": "Disclosure of information about security that could potentially dilute basic earnings per share (EPS) in future that was not included in calculation of diluted EPS." }, "auth ref": "r41", "us-gaap ScheduleOfBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBenefitObligationsInExcessOfFairValueOfPlanAssetsTableTextBlock", "presentation": "http://www.motorolasolutions.com/role/RetirementBenefitsTables", "lang": "en-us", "role": "terseLabel", "Projected Benefit Obligations For The Plans", "label": "Defined Benefit Plan, Plan with Projected Benefit Obligation in Excess of Plan Assets [Table Text Block]", "documentation": "Tabular disclosure of benefit obligation and plan assets for defined benefit pension plan with projected benefit obligation in excess of plan assets." }, "auth ref": "r1227", "r1530", "us-gaap ScheduleOfBusinessAcquisitionsByAcquisitionTable", "xbrliType": "stringItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfBusinessAcquisitionsByAcquisitionTable", "presentation": "http://www.motorolasolutions.com/role/IntangibleAssetsandGoodwillRecentAcquisitionsDetails", "http://www.motorolasolutions.com/role/SummaryofSignificantAccountingPoliciesRecentAcquisitionsDetails", "lang": "en-us", "role": "terseLabel", "Schedule of Business Acquisitions, by Acquisition [Table]", "label": "Schedule of Business Acquisitions, by Acquisition [Table]", "documentation": "Disclosure of information about business combination. Includes, but is not limited to, recognized asset and liability." }, "auth ref": "r84", "r85", "r801", "us-gaap ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfComponentsOfIncomeTaxExpenseBenefitTableTextBlock", "presentation": "http://www.motorolasolutions.com/role/IncomeTaxesTables", "lang": "en-us", "role": "terseLabel", "Income Tax Expense (Benefit)", "label": "Schedule of Components of Income Tax Expense (Benefit) [Table Text Block]", "documentation": "Tabular disclosure of the components of income tax expense attributable to continuing operations for each year presented including, but not limited to: current tax expense (benefit), deferred tax expense (benefit), investment tax credits, government grants, the benefits of operating loss carryforwards, tax expense that results from allocating certain tax benefits either directly to contributed capital or to reduce goodwill or other noncurrent intangible assets of an acquired entity, adjustments of a deferred tax liability or asset for enacted changes in tax laws or rates or a change in the tax status of the entity, and adjustments of the beginning of the year balances of a valuation allowance because of a change in circumstances that causes a change in judgment about the realizability of the related deferred tax asset in future years." }, "auth ref": "r1569", "msi ScheduleOfCorporateRelatedExpensesAndAssetsTableTextBlock", "xbrliType": "textBlockItemType", "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "ScheduleOfCorporateRelatedExpensesAndAssetsTableTextBlock", "presentation": "http://www.motorolasolutions.com/role/InformationbySegmentandGeographicRegionTables", "lang": "en-us", "role": "terseLabel", "Corporate Related Expenses and Assets", "label": "Schedule Of Corporate-Related Expenses and Assets [Table Text Block]", "documentation": "Schedule Of Corporate-Related Expenses and

[ScheduleOfDebtInstrumentsTextBlock](#)] } } } , "auth-ref": { "1"}, "us-gaap-ScheduleOfDebtInstrumentsTextBlock" : { "http://www.motorolasolutions.com/role/DebtAndCreditFacilitiesTables" }, "lang": { "en-us"; "role": { "terseLabel": "Long-Term Debt" , "label": "Schedule of Long-Term Debt Instruments [Table Text Block]", "documentation": "Tabular disclosure of long-term debt instruments or arrangements, including identification, terms, features, collateral requirements and other information necessary to a fair presentation. These are debt arrangements that originally required repayment more than twelve months after issuance or greater than the normal operating cycle of the entity, if longer." } } } , "auth-ref": { "r30"; "r62"; "r63"; "r117"; "r182"; "r184"; "r412"; "r42"; "r446"; "r1599"; "1"}, "us-gaap-ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDeferredTaxAssetsAndLiabilitiesTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/IncomeTaxTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Schedule of Deferred Tax Assets and Liabilities" , "label": "Schedule of Deferred Tax Assets and Liabilities [Table Text Block]", "documentation": "Tabular disclosure of the components of net deferred tax asset or liability recognized in an entity's statement of financial position, including the following: the total of all deferred tax liabilities, the total of all deferred tax assets, the total valuation allowance recognized for deferred tax assets." } } } , "auth-ref": { "r1566"; "1"}, "msi-ScheduleOfDefinedBenefitPlanTargetandActualAssetAllocationTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "ScheduleOfDefinedBenefitPlanTargetandActualAssetAllocationTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/RetirementBenefitsTable" } } } , "lang": { "en-us"; "role": { "terseLabel": "Plan Target and Actual Asset Allocation [Table Text Block]", "documentation": "Schedule Of Defined Benefit Plan Target and Actual Asset Allocation [Table Text Block]" } } } , "us-gaap-ScheduleOfDefinedBenefitPlansDisclosuresTable" : { "xbrl-type": "stringItem"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDefinedBenefitPlansDisclosuresTable", "presentation": { "http://www.motorolasolutions.com/role/FairValueMeasurementsChangesinFairValueLevel3AssetsDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsNonUSPensionBenefitPlansDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsPostretirementHealthCarePlanDetails", "http://www.motorolasolutions.com/role/FairValueMeasurementsUSPensionBenefitPlansDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsAccumulatedandProjectedBenefitObligationsforthePlansDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsAdditionalInformationDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsExpectedFutureBenefitPaymentsDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsNetPeriodicCostBenefitDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsPlanTargetandActualAssetAllocationDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsStatusoftheCompanyPlansDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsWeightedAverageActuarialAssumptionsUsedtoDetermineBenefitObligationsforthePlansDetails", "http://www.motorolasolutions.com/role/RetirementBenefitsWeightedAverageActuarialAssumptionsUsedtoDetermineCostsforthePlansDetails" } } } , "lang": { "en-us"; "role": { "terseLabel": "Defined Benefit Plan [Table]", "label": "Defined Benefit Plan [Table]", "documentation": "Disclosure of information about individual defined benefit pension plan or other postretirement defined benefit plan. It may be appropriate to group certain similar plans. Also includes schedule for fair value of plan assets by major categories of plan assets by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets or liabilities (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } } , "auth-ref": { "r175"; "r70"; "r71"; "r72"; "r73"; "1"}, "us-gaap-ScheduleOfDefinedBenefitPlansDisclosuresTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDefinedBenefitPlansDisclosuresTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/RetirementBenefitsTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Schedule of Net Benefit Plan Costs" , "label": "Schedule of Defined Benefit Plans Disclosures [Table Text Block]", "documentation": "Tabular disclosure of one or more of the entity's defined benefit pension plans or one or more other defined benefit postretirement plans, separately for pension plans and other postretirement benefit plans including the entity's schedule of fair value of plan assets for defined benefit or other postretirement plans." } } } , "auth-ref": { "r175"; "r70"; "r71"; "r72"; "r73"; "1"}, "us-gaap-ScheduleOfDerivativeInstrumentsGainLossinStatementOfFinancialPerformanceTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsGainLossinStatementOfFinancialPerformanceTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/RiskManagementTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Summary of Derivative Instruments and the Effect on the Condensed Consolidated Statements of Operations" , "label": "Derivative Instruments Gain (Loss) [Table Text Block]", "documentation": "Tabular disclosure of the location and amount of derivative instruments and nonderivative instruments designated as hedging instruments reported before netting adjustments, and the amount of gain (loss) on derivative instruments and nonderivative instruments designated and qualified as hedging instruments." } } } , "auth-ref": { "r103"; "r106"; "r821"; "1"}, "us-gaap-ScheduleOfDerivativeInstrumentsinStatementOfFinancialPositionFairValueTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsinStatementOfFinancialPositionFairValueTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/RiskManagementTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Summary of Fair Values and Location in Condensed Consolidated Balance Sheet" , "label": "Schedule of Derivative Instruments in Statement of Financial Position, Fair Value [Table Text Block]", "documentation": "Tabular disclosure of the location and fair value amounts of derivative instruments (and nonderivative instruments that are designated and qualify as hedging instruments) reported in the statement of financial position." } } } , "auth-ref": { "r104"; "1"}, "us-gaap-ScheduleOfDerivativeInstrumentsTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfDerivativeInstrumentsTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/RiskManagementTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Schedule of Largest Notional Amounts of the Positions to Buy or Sell Foreign Currency" , "label": "Schedule of Derivative Instruments [Table Text Block]", "documentation": "Tabular disclosure of pertinent information about a derivative or group of derivatives on a disaggregated basis, such as for individual instruments, or small groups of similar instruments. May include a combination of the type of instrument, risks being hedged, notional amount, hedge designation, related hedged item, inception date, maturity date, or other relevant item." } } } , "auth-ref": { "r22"; "r97"; "r98"; "r99"; "r101"; "r106"; "r110"; "r112"; "1"}, "us-gaap-ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEarningsPerShareBasicAndDilutedTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/OtherFinancialDataTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Earnings Per Common Share" , "label": "Schedule of Earnings Per Share, Basic and Diluted [Table Text Block]", "documentation": "Tabular disclosure of an entity's basic and diluted earnings per share calculations, including a reconciliation of numerators and denominators of the basic and diluted per-share computations for income from continuing operations." } } } , "auth-ref": { "r1458"; "1"}, "us-gaap-ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEffectiveIncomeTaxRateReconciliationTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/IncomeTaxesTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Federal Statutory Tax Rate and Income Tax Expense" , "label": "Schedule of Effective Income Tax Rate Reconciliation [Table Text Block]", "documentation": "Tabular disclosure of the reconciliation using percentage or dollar amounts of the reported amount of income tax expense attributable to continuing operations for the year to the amount of income tax expense that would result from applying domestic federal statutory tax rates to pretax income from continuing operations." } } } , "auth-ref": { "r755"; "r1239"; "r1562"; "1"}, "us-gaap-ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable" : { "xbrl-type": "stringItem"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTable", "presentation": { "http://www.motorolasolutions.com/role/ShareBasedCompensationandOtherIncentivePlansScheduleOfCompensationExpenseDetails" } } } , "lang": { "en-us"; "role": { "terseLabel": "Share-based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "label": "Share-Based Payment Arrangement, Expensed and Capitalized, Amount [Table]", "documentation": "Disclosure of information about amount recognized for award under share-based payment arrangement. Includes, but is not limited to, amount expensed in statement of income or comprehensive income, amount capitalized in statement of financial position, and corresponding reporting item in financial statements." } } } , "auth-ref": { "r80"; "1"}, "msi-ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "ScheduleOfEmployeeServiceShareBasedCompensationAllocationOfRecognizedPeriodCostsTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/ShareBasedCompensationandOtherIncentivePlansTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Schedule of Compensation Expense" , "label": "Schedule of Employee Service Share Based Compensation Allocation of Recognized Period Costs [Table Text Block]", "documentation": "Schedule of Employee Service Share Based Compensation Allocation of Recognized Period Costs [Table Text Block]" } } } , "auth-ref": { "1"}, "us-gaap-ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTable" : { "xbrl-type": "stringItem"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfEntityWideInformationRevenueFromExternalCustomersByProductsAndServicesTable", "presentation": { "http://www.motorolasolutions.com/role/RevenueFromContractswithCustomersContractCostBalancesDetails" } } } , "lang": { "en-us"; "role": { "terseLabel": "Segment Reporting, Revenue from External Customer, Product and Service [Table]", "label": "Segment Reporting, Revenue from External Customer, Product and Service [Table]", "documentation": "Disclosure of information about revenue from external customer by product and service when not provided as part of reportable operating segment information." } } } , "auth-ref": { "r51"; "1"}, "msi-ScheduleOfExpectedFutureServiceBenefitPaymentsTableTextBlock" : { "xbrl-type": "textBlockItemType"; "nsuri": "http://www.motorolasolutions.com/20241231", "localname": "ScheduleOfExpectedFutureServiceBenefitPaymentsTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/RetirementBenefitsTables" } } } , "lang": { "en-us"; "role": { "terseLabel": "Expected Future Service Benefits Payments" , "label": "Schedule of Expected Future Service Benefit Payments [Table Text Block]", "documentation": "Schedule of Expected Future Service Benefit Payments [Table Text Block]" } } } , "auth-ref": { "1"}, "us-gaap-ScheduleOfExtinguishmentOfDebtTable" : { "xbrl-type": "stringItem"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfExtinguishmentOfDebtTable", "presentation": { "http://www.motorolasolutions.com/role/OtherFinancialDataOtherIncomeExpenseDetails" } } } , "lang": { "en-us"; "role": { "terseLabel": "Extinguishment of Debt [Table]", "label": "Extinguishment of Debt [Table]", "documentation": "Disclosure of information about debt extinguishment. 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The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)." } } } , "auth-ref": { "r1580"; "r1581"; "1"}, "us-gaap-ScheduleOfFiniteLivedIntangibleAssetsTable" : { "xbrl-type": "stringItem"; "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfFiniteLivedIntangibleAssetsTable", "presentation": { "http://www.motorolasolutions.com/role/IntangibleAssetsandGoodwillIntangibleAssetsDetails" } } } , "lang": { "en-us"; "role": { "terseLabel": "Intangible Asset, Finite-Lived [Table]", "label": "Intangible Asset, Finite-Lived [Table]", "documentation": "Disclosure of information about finite-lived intangible asset. 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of Cost [Table Text Block]"; "documentation": "Tabular disclosure of an entity's restructuring reserve that occurred during the period associated with the exit from or disposal of business activities or restructurings for each major type of cost. This element may also include a description of any reversal and other adjustment made during the period to the amount of an accrued liability for restructuring activities. This element may be used to encapsulate the roll-forward presentations of an entity's restructuring reserve by type of cost and in total, and explanation of changes that occurred in the period." } } }, "auth ref": { "r36": "r176" } }, "us-gaap_ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfRevenueFromExternalCustomersAttributedToForeignCountriesByGeographicAreaTextBlock", "presentation": { "http://www.motorolasolutions.com/role/InformationBySegmentandGeographicRegionTables": { "lang": { "en-us": { "role": { "terseLabel": "Geographic Area Information", "label": "Schedule of Revenue from External Customers Attributed to Foreign Countries by Geographic Area [Table Text Block]", "documentation": "Tabular disclosure of the names of foreign countries from which revenue is material and the amount of revenue from external customers attributed to those countries. 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An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss." } } }, "auth ref": { "r48": "r49": "r50" } } }, "us-gaap_ScheduleOfShareBasedCompensationActivityTableTextBlock": { "xbrltype": "textBlockItemType", "nsuri": "http://fasb.org/us-gaap/2024", "localname": "ScheduleOfShareBasedCompensationActivityTableTextBlock", "presentation": { "http://www.motorolasolutions.com/role/ShareBasedCompensationandOtherIncentivePlansTables": { "lang": { "en-us": { "role": { "terseLabel": "Schedule of Share-based Compensation, Activity [Table]", "label": "Share-Based Payment Arrangement, Activity [Table Text Block]", "documentation": "Tabular disclosure of activity for award under share-based payment arrangement. 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Arrangement by Share-Based Payment Award, Options, Exercises in Period, Intrinsic Value","documentation":"Amount of accumulated difference between fair value of underlying shares on dates of exercise and exercise price on options exercised (or share units converted) into shares."}}},"auth ref":{"r726"},"us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod":{"xbrli:type":"sharesItem","nsuri":"http://fasb.org/us-gaap/2024","localname":"ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsForfeituresInPeriod","presentation":1} "http://www.motorolasolutions.com/role/ShareBasedCompensationAndOtherIncentivePlansOptionsPerformanceOptionsRSUsandMarketStockUnitsDetails":{"lang":{"en-us":{"role":{"negatedLabel":"Forfeited/Cancelled (in shares)","label":"Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Forfeitures in Period","documentation":"The number of shares under options that were cancelled during the reporting 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Includes, but is not limited to, unvested options for which requisite service period has not been rendered but that are expected to vest based on achievement of performance condition, if forfeitures are recognized when they occur."}}},"auth ref":{"r730"},"us-gaap:ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue":{"xbrli:type":"monetaryItem","nsuri":"http://fasb.org/us-gaap/2024","localname":"ShareBasedCompensationArrangementByShareBasedPaymentAwardOptionsVestedAndExpectedToVestOutstandingAggregateIntrinsicValue","crd":{"debit","presentation":1} "http://www.motorolasolutions.com/role/ShareBasedCompensationAndOtherIncentivePlansAdditionalInformationDetails":{"lang":{"en-us":{"role":{"terseLabel":"Aggregate intrinsic value for options outstanding","label":"Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Vested and Expected to Vest, Outstanding, Aggregate Intrinsic Value","documentation":"Amount by which current fair value of underlying stock exceeds exercise price of fully vested and expected to vest options outstanding. 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^EV\$*\$D)=T.8.*G79JG\$SGY\$A4A8.5=L0@A0(Q@.OBM*6;.18MS*5.M1UG3VIR^V3BN&JHQIG@-GVW.OM.M;GX7L75>J^KX?7L.(QY9P\$FF")MGK&
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M6;\$G7+>OM8+LPL)(\$XCR.%A).?O.M035+H\$;AHONH-E6RM!5R3EZ#-A.*6O\$VKT"GL(O@-NBB^8H2VUB.P5+5A
M:8H0U@<C&NXP7&5X1G^94Q&=>+K^DD3UR9!Q.>7AHHV.9!J883.M19Q?>HHZVDDT2LU0IHJ^UL76C^>QOI!F.U;Z&R8(O.4F)EI70RT!H0@U.A0R"
M/N.T-.)K216#Z9X@R50<G.\$#J2AH/H.N-B.4D5X+G=ML\$J9Q-(MU2I&(R(GUUYPUK0!XGT4A594&HU.Y9X(TDWMQ!)254R=2!WXYX>1X&+<+1/8
M4D.;4XW^<<@.4W^HX.HF.<=H23>GE*?M16R+KD=TVD/H6CZM4BTTP%K0.6I=^H!^0T?>J\$*1.4B4Z.2C3PP9E"W-M3M4>.;1S76H1^UGK-
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2UKQ<P.PITH@.MIO.MIO.29/KQ\$O/51!-52DSUEF52XEK8TZ.;+246.K9A(WHC>+^X!<^G.M3V;L76X3?GATWMI#23..OL"ZGMX;JZ>4IDN/ID
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BW^T@L6CGIHW6L=@.8.KUA"6ILX".@%IUE&C^NH"RE=H.7F.OYO@Q#@LMN>M=W19P(C!<
(2/%@V3NR121QB.WL8.BDE!<^JYLO>Q.V1@L+>@3)W(EIAF40C3?2^3HMOX;\$%#2M.MBG7!2M/ZQO1T.L.W=ZAT0.L.W)J6:N.(\$16@)<@5.F
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ME1P9H!@BL""X#."096>.5ZEOV2.CALW..IN.T4.XN=^T#Y.?.YQPF+XG.F.M%."VER9?>+P+BG0BDEL..0/(V"/.C2V%18TX0A2)W^YVOO0(1BJ0I+!6
MG%K7#KA!@A.K<7>/P07HXPH/IW10E2A!L+R3!\$570!EPRRNI(R1H%M.MQICXTVXF\$&G=F@F(2.D2*6!W;JW.B.S/A/G=H27L+KP<2(6L\$K%("Y"
M)JG.U@2+3.6M=^#1L>8RPS.YDYX6."035G"UCIAG<5IK=1+1)@.L!J"UX&+M.H#361D>E.YGCI\$=<1+A<^INDLSX2!L!\$S.25HKG!\$1?CYC4&S."LEH(1JO
M.GX(\$XGY6%@WT.@.D@<V3JM&IKI?/OC)%MP+XF.9D2?J.K5WH.G@2H)21.M6IKO@4D4H(Q0\$+!)S.-!LY"88LW.ZAR!K5)AQ/M8.P%(2X*+>0V6UFW#
M(CM.G5."LYQ>V5%#ZDGXTW.^GTF@D(G).@.A!+2TCQYH8^N\$YUK27FY6.M0.91@2<^JRP%G.P.HN1M1+1.NK2!L#1>1?VJ40L"MP80E52.*M!ZDY
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*ZEOE46X!;7BQ%I\$E(Y8=6#E1Q0HNDN1<6R.J4EO.MT#("9A0V)217O&.6V2E5G.BM-T/(&6H=JBO\$S)005:7WT1\$#.-+GD.E/H.ML?UIV6DBL
^BZMD\$JB#R7H&F&J=A*#(BD<3Z1>7JM.LE.IXR^EPR.HKH.MGV5YXCU!S6>G5HO(HW7MMPVYG-T+J\$JWB>Y"Q<L!A.681>..H.3^4.M/ZH(!..
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&>K\$V+R<C^VK4Y.5.Z54-N^0K!)M.MX.M.FVDDF.^S;3<2>(I29O!)%1+!<W9%5K;+@+004FX+ID70>8\$A.P8)"U1
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MD+Y=4+RJC@^UM!^Q66M.EQL=AR8\$>INDTD.42@+0A7O42A^N19=^Y&E=(*MTT"~G76(P^KY3LN@C#&15EJ.GJM6G7^CD)/+F.3+C=>M8A
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WBJ GLRZ2NE8L+7>=ON9IEK61752P1CIH80581C7X=NJ==61HBY=&&^AW1R^IC2 "I=OIGJ>+985+K^P^@V/53#NV;1
MTE1.U=^32>IH@D%CVF=HWP;9N2M0&TIZKT1KE>H3%UF&;&I @V:UY^I^(\$K M)J32\$E/I4CYHX7HA2#Q-VG&O>M07!*XIG-C9WS-2D7%II4^CASM;*QDI
M&1A3DG^5N@C-0SC.705V72^XZU2TO80GL=U.R-1^>F48J>3UWB10R16L M(Z1>2>9\$O/O6X.\$3RB=?T MW^I^ OVG<^A06^H@+1+8N^ACGD7
0&M&S&N&-Bf(KH>C1^0UK+SI MF^OQ-VK.5Q(DHC^4D.2^M>@XJXJ>+<6^N^NZT7FLW+7H^Bf^?>AK6W M^HUEB=1+3\$-2LL R?>
X5.2#77V/))I+^&85QNDG4 JOH43DEG.\$ M3;MD="PGIA-GYVPLJSZS+2CM_2K5PY@AZ%+^D WWH^2I;A\$URRK CQOEU&3D<1;I^H^MA^T74^% MM I
4W3?2\$P;M^O^A040^I M68IV^REWIX9E9E(M60>@U#1% !I\$ 6A3(GZ:~)WRH?> ^A=HP\$>IIB@V7 M%FEV.H#EM.;APZBM1F^#HFO.PVW1G/I4GBP
(V:GXN^CEU^&LC<^WH MRJ74-7BR^NNR&K+@D=E031%&TXIN+^#NY+<5^ZCQ;@Q@I;A;LL\$61+^%2-
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@^I=1^TK>SG84160.BH>@/I/E M0.8R+^UOZ\$*(G.=MD+720%QY0A.HB 66OIC92QG1^UW!@&#^+P^E9(^UF M4GS@R%H>R89^IO2V4)RC>?>
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^OPW>PG)=>X2+I;19^V1%2IX&L M;Y:6FTXW@&SHL1BG;DCL;M2IL8H72OH2I#-;DWBV;M1<^IL.90E?DIO+@S#5 MU:XVHA=&+KKKB
M^"(H23IAM;\$Q@KW%)YV.0\$@O&7QPI=;7ZU+SIIBC^2K;TLB0;R1-F.9C7 M.=%L5(RU+JXS%.-8T0^1.3QJ(^I.Q+; #0UO=4B6=&U)5P(^A1Z#3I^ M7-
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(S)^M^Y1F(ALT^I^OU8N;MV39^CS\$S.N.KCIVJIG^IYU.ONQK<^0EHP1^M)CF%<9\$&P2C^K&I RO7MOIV.OZOE#<5^JUOQZ3OEESA^5T^M=QI^P^I
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M^JOM^W~ZWF(L&1&^I4X)^PFMV24U35D^WV^R1^HYDPA^2^?9OIR M^*UJUBOPS4/I^M^UJFC^I\$+^WVR5AXH05%BXA5=PITVE^#~NA6E+IB;(R<
MIJG?2D<^>6-Z8-3CG-95)O^LX6.^IT_0X24V\$)PX50@K^O.R6YO4I^B ML(X;WBHQ.SI.8ZPW2_H^IW^JX(E=H;TJI^I^>_C2YP-P9ISCBWXN4R_5IK
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M;+IW13I%73^Y;W/@32^)"4L4^DK_Z<^%\$;S^@L&1QQ^1^#N(I8% M>I^9D)WS^#+Z1XIH28;H^I^I^F15)JOSBBO=KK0^EIP9.^?6^ODZ^Q^+0 M6(I;B?2Y^<
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MRE<I^>AG18EN+@I(A<>>G>@+^H\$ 52-SWQ?3^? HU_X(H+T0KW.YW.IQV5?H2AJXSU2I>I^@W.Q M^7^YE?2HTI.QU2MCOYX^&?AFI8IS
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YKF5K=CH^O^<X3 MTB= R=IKX\$Y^BRY\$OF6(893;2LA.H_E7XAL08ZEITH7H0>LP1^I.3I67I MI82CV<^7Y^CNA>=I^C^Z/NR4#%
G0Y^LEF42I+^H^P@R9L(5^>~#Y^H^C^M^Q4CX3^A6^T^I5>EVB1^G>\$S^N-02.G.9Q^>@E1^1/3CT\$S^I^ KJ5PGV1^MPQ3H1N=E9.O(GO\$O_6^>SL-
9OU46VA#?(L4&E^W^NYVF^E5B6^#G25Q^X=V~K M^Z^XU3^AG/T+<OX43WRWV^W2E^L^N<71OLOP.;>HU1QHHGOG7OT!!^#L M1^>)9M^I
C:5&2^Z86 (^<^<^>M^F+I^2QI0NIU5R8T^?IK1%3^U9<^V+V^U M6MOU>^*Z>=&I35W^@_P^<?CM6I<?&ANH.13^<I^D^I^PZ=+EFV+>I%2^TSS1AX9Y6PK
ICB6^&E.RR+I^ZF@M^I^_YCM>I=5^D^EYV^ESRV3^EO6G&W^PZL2^#Y^L63.Z^X^B<8^E^Z^M\$^+I^H^C^Q02I7HME;BO.W1V^@JB T4=R>QE7I
J29>M=7^IX^M\$SMD MCU.A^>W8=NHR.GU^C.P.I>#DIH(IC9#E^A7IGD?T^A^9.EXR^Y^Y.C1B M^TH2>B12^6YI^AR+M^IDJ.KO^I42 K1O(NI^ZMS2/GU7?
S0ZE04^XGZ\$>T8<^&+MMITZG^_G9I M^=H19+OIU6&WY>YH2YVK2^G&QOLA^_6\$;I>T8<@SB^W8OIH6>@^6@^PIG8 MA\$E^@/(M@6I\$;7^K<^
HNS)4G+9H9B&K;MOD7+S+I^V^IG/2M^%<^7QYF^MQ9W5P^UM^F&T @7="H0(M2I6-X(I^VIV^VMD;BL3D9F+?+S^IB^DKOWO^RL^4%F3%ITKJ^V;M;Y
N^N^MI9^Q^TFF<^<SVY QI2H@<6%RIN9Y^D^@6G6-S4.I0J\$7^IR1 O^_9Q7+EI M^%<^73^WCHUD-8)25A)THUA_XHY3Z^#
(9KEHMTPE1I.T.U(I4)4MB=WXIN^2IAK^P^5.PE?@IBT1V3;T78;&6>E>I6^Y6+IGGW^?G.=I^2>JEEC^6I^M^*P;1^1DIH1&UECKJ^C5N1%#
D^V.5+>S=YVN6RV^WCI X=>I>^TY LPZ MRTCN1+^EER9B PA^ZUF(W@2^RS3.RMAB38<5O^89@<K3)5I;Q4V1^"OO?2^MGWX5NXUM0WS7884!
ENWIV(164GY^<NN8;CZE;H1^7GT0.Y%F86MJFIGNI MC\$S_2PWCFV\$9RS=IR^C^P=^=5K1^H.WR7.%UI^I.U3C.9DTHJ6NS3\$>@I>

MP%5F96\$14*;&2_OEXW*75?>CZ*=%&C5*F;1K+BE29K;H\$44.21;V7.G# MYB4*11Y(IC6^X'-N'.D7*=%/GMJ'E.0#HCESJ;UBS_YMNG.O'U\$;G8XX.L
M8Y\$2?)\$56U=-S9*~KFUOL@K(C)OMUF67.6#H#O'D-N.2X"V6ZZ/6"Q0W08+6.M.#*TF(E)VZ+I#1?CASZ.Si&1^O8T9Q\$>@=#%12L(PGB#&E.M.2&OS#4?<
\$GJOKO%MF6+KCGE?S*P?EVFI4A;U\$;..KX:W99DZT90A37BIG.M!""366YA_2X=IG0-.M;I5_Q.A""\$9.0%?@K>JM>%CFLHOWE7Z<.^H#N0B;C?JM;P?DLSY;
T""M<M<CK-12\$-Ri@T?T?19IB\$9PACMYX\$5KV1+T?H9Y?7<B04UJ?12DCGVFL MGRNY?5\$24;I=(PI.BW\$M""FH8;6_R_G&D^XH0#8V(T%#D+D.9U;
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+NK3VO7Z>8'M'9;3Z'(R'SU^&NZ3.KIRJUU(81;.:003B?<J)H6.X.TU:42%AB\$SD<M-GI+=(5ZAWJL2*G_49SVKA=^R3I_Z-
O70*P.KO/L?T?V15T?DUEO)4#1.MH;H2(C#_#IR*4?>2%BHDWR(C#L=7B+4<DS5)X.#*DIAZ*E)\$E2Q<5.MM+2T4UURJ+MT6G2W6_OG##>;#^+9T+<
A;I;Z\$#N4I07K5FCA66##DLU&+4_MEROE?32MYS?P_KO;IQHO.0^<5Z-L@DCC>D;E)R(WNLS;B*^GW#54V;XV4CIO6R?P?L9IL2YX17LZVH9*1G;
/AR6_1#Y_>@CRPOL.M(XBC?D6;..FDC)+/I7"~WCQS=.B\$&#BWID)I;#5B9+YPIQF(S@_M@SHY+5_TPX.C6L^D<1#23I;J6I;OEIK
M#H^?P?IO/OC7+;VTS_K.WY4?T_.O\$*^1)IV.*=I^D23^L7I?FOF^XH2>O0_M>Y_X;M!OYKYKDEFS(08&QD8&0ZL(C#M@VV#A.6"-I0IUF8505IC_E\$"\$0
M2=WBFB66.74R>+Z1^<S^H""H#&IQ4*+A'01^M^H_25/3?150%O/DATJ?%5;88+EGYRE#NS;IP=+NIQTSW16<0T^OL.M.RA.X2P<
P.MRNB?Q6%V<@N;P;I\$NGD@8)*>&1_189I?2W%2\$IAQ@C&C'.#B_N%E0(@.6J0%&-D.MA+0.<33?>=?23_T_KD>@DBW5PYDY5YX_&1?>OO=E.K)Q^KU_2>
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(Kf.E9C4+>5&DG7=&WQ4A613NW.M&S_V;IP97_E7EG6Y5HWY(K_+J+I_Q.M298^0Y3;52XXA*RIp%DJ>I+(\$I?2=+L+U?<
MI5BK+4+1W8OKYH^Y\$@B06.6:27M_6+X?D3)*.R.O+P?TX4GUK;Q(N(50;I9%LTA<Z)>I)O-M>H1<>I_M02A%DMFI)96%6\$W/Y_?TL%-PE_>R"
IWTI5BP;WUCW5W1C^O_LGCBY61GI#N.MK\$DOKJ\$*?J?OEP@U<#FAL(CKZ60?PU_XMC0ABMP.C_6;U?IIN.M7XBH\$);^RjMA+Z?_8Z2;2Q;#O#^ORDI_P_<
J_O_KLX\$D1EJE<#80+PS(MLR)=_X\$->#&27<^AIRCL_D@_SK0D*^*_C.%?7_B#A^QI2)&N(WBIPZ5F^M3L?G^K?T;T6DZY""RjA+JH18-N.M%#ZRI_8CANX9?2<
CB2ACG2LYIXZ?3U5I^>0622%30G*3L^<@DZE<4T_142_MF+1N^RL42I^>=&2;4W_SKV&*&S.KC2RO_+WSJZTTN^JEUQ>2AB^CZ6*\$HG
M.VR.SP^_./O/YQ1.BW63I^?2*13_CV1<0D7.6D1K7.8.O:KLX^M@;I^S>#&M\$XJ61-#^)-NG.C^1X0AEK9T@)^6JS:69FS?IZG59=>ECA
MIORW^./OZPG45;HJ=18IZYD^4>EJY?>I+;@H&EJ83_.RMPN2@)Z<DY?ZSMP&^RVJP;.>2?H>H^GK0TPBM9^CV\$_HR0+<6ID=I6^@3J;28H
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RB^OW%YBTX#E>M.MO\$1EFLVSD.IR1_1^800_V?35BD_U?>I%W3DXIVAKDIW914R8&\$#@>7;SBTVM.MB=>IUC(R)^7X*(HJEIP^H:1_GROL^L;1+9VT6NP7?
IY)OKG=>X?E7UC.B.M+1^MHL>G5<+5B00.73H?67/U+2I673.5^E@NX**#_MU_?Y@/^L;1.MB&U4.W@A0IOPXZD;99EY?>?Z!_K&_YA.KM2@EGY>?E?%"_2_<
MC-\$3M\$;Z1^=5Y_A09@_MTT#_?3@3I1L&SF-IS%"H2VI@^6J2U^M2^E4M%KI@52:4KHLN;@I@QAFDD3D3NHSV^IS7<^Q+YV4J3RON_K?T9YE9@<
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M@>7CFJH?37%*-2FX_BT^JQ2IS1/BZ_BV2&+RN.<2_KM=F^GB=B+V?123IM.MSH>I=;UB^OL^_G+HDW65L_XE3D_R?P2?>7WE\$_.D@40%M#A*F3G\$+_6/<
EH/%MKN?24P\$GKCZ1+6_<L.PDY+IDA>+U/I+4#WU;YSW^BCH=I)\$.LLI.MA.RCY8;IPEFC9^L(K#MB_1?VC=2?2;9;9I^C4^RFKTH=>^IQCO5GTM;@M.M<
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M_7_7HW7OCA&^8)MRIR(GH1^_#I/A4_@/Q^9AP(8;A_<I)H58;I7+7HH<_MDGXNF^_*YOH\$XV^*#_TU^?TH&SXCI^F6_Q_M_RR7GTH52MRH59.6&J0O9B94<
?G^A^4GLX^<C8^I^&+7+LG^9^*8>+AB8H009MN?9XR_>M.M/H^DSCDKI+>7F&1Z>_6=K5W3_Z_..^)^S.BL?+S.M/IK5=<I^DZ&0F.^&H_XQ3A/I^F-
/G1%1N)=#^BIQCY2^I=0^9BDO_MU5IWI^<M^R^QVO\$LP@G/L^&2&6I^>@BBWZ3(YH\$U\$A_C#1;5)=^I(QO_MV+>9^2K/RPTI8D?29E?<
X\$;_*%D\$<77;H56^4E0^6L)3=-^IO(L2US^VM.MT^3P^R2GZRV\$SWKWY21^PA^H2;BGL^I.M_67PXR&G(I>S8I>XS_SYC.AQ1I^I@R.FH_N4F)2^L)03X^#6PI3<
^N9NMSWS(TBOL\$M.T&1%D_4FI^>^1;57U?R\$K>Y>^I/ORO?S6NTUTR;RDN7I?VWL1^MHM^H.M.T^@VO;=JAUO.85%-MTMKW_4+=P8)G-%*<
<>Z8Y^X#^A9R_F0*W4_7V)(PEI1XOI#@_C_3?33^#-H;H\$3;3Y5_M2AO;9K@FWSGTS_K&K<
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MYPI?RXH.IKB.CP=I0G;4UYU?7Z2QM@N@96\$>R=KXJ^*^UL2=(PJO_?>7W&AD_M&504IR7I0@&N_UJFATNUJF^@VWU4&T_&K@_2EA%#B_ W&#+=W5R+4<
""4O.M>+X3K3L8@?<#^VIE(C^JNCTOI4+N_Z_8PE6^X^N^A_HZUG&M&NN^T^H8M^D^T^MCP\$S;SXH^BKR=U\$S\$I^GPI+^#I0E/X_PIP7\$#U><
(Z7I0IYI^#S&).A(LIK6;^BAEO9K?_M+8V1>SROH_4^\$G^NCT7/^VNV7<2%)C6=XI;B;6#0B;L1R^<I<
M;W0^6*3_>2>5@61MA7HXD_4I+;GQ;0SV&^IQH9>02KIE^HYBY3^NLY#6P3^M7AIT^>+&1;8H/IQ(8YZM)D4A&CL(CP^A)H!^SZ+&7DVKZY^F52=^*T?>P<
MD_V#^S+BL(C#E@>O_B1L\$X.FM8L(KH?7^F.M+W<^SEI(E@G/PW@Q^S593Z^Q#&#D@SZXB#^269^&QOHI@HSM+7D;L1&KHX<
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MJSXR;%1L^=>@GCI_M2J6^*O_B\$S&WJ^>I^U&IYXQB1<>^U0DB3^RV3+1H=I^<WLLQI^WJL^<5ME99QAOHG^I^HXIXSKW;9Q_\$(^F)L&J2_M_#1^5\$<
VJH&NA@I0FZRI^W&R>^M#_TY.8RO8TKIIN^>A+M+KS08D^BB8J_M\$#@B1I^+IZX4I\$<I^V!>I@R_2!\$9K+A^4@O1&^X\$<@^\$M_S0?I_D<
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MR2?HYD9^>V\$R9I4<85B3;E4L4\$<#<@=>^3^U!>5!S;MF!%E^ZOL_MATH40F)BFP?(JZLOE!\$-C\$J(\$S^<49=C""@A_\$9)E2H^P!PC+AI+6A(I<
M^2JHC+BSHUFEX)=>N55W2E4\$6S^W^K_Z1U)77Z=>WJOL_H^?2CKW1QI0M^M_YLLW=70K;^SY6YI2MYS;Y>4Q2Y+7+VJGLM5^>I^YB0+I6ZC55ICAQ<
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(OKY)^Y.HIMH^G;A444Z^>25MY32^Y2.M62W14_4UOYNUE8.9^Y_M>H^=<#H/IJRL+>+<OKB1^6D3;9.SEL0^&P\$<#<@>@LWTW(I^L>N.3<
M;IO1UN<^I9I7Z<^\$*(M&M=NQ^7B7_#R;_*+>S0;U^*6D5(U^HGM04I)X\$;I^MZMRIC3U@8MO_4F@F.ML9\$2K3L\$NKK*>I^VCE?R^I/\$<^ZG6^#R0I0Q5;AW^Y<
MP<I&5T^9OX;AZD\$Z^NR86M.MN+RC=JINOY^591BE_IG2VHO4E91=5R!R<
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MMZ.ADU\$+>25X^<UP76;OIC)=T94A9_#^L0Y@8;PI&G5^H^>6IEZ4TFBBDTIK^I^ZN4M/U1Y7.KG;K4P_MVP;HO\$EP2RK&<
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I+I+FBZ514H1+I_2ACIWF/28>DFHU\$V\$Y3_62822I3^M^>Z;2RH+29_LK@LAUNKO285YJF>IOJH=2T5M392W(XT)W^6JNL_0\$%MNOI)C1Y%TR<
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MYXI>F/^<^<VZ.OI@UXZ_OZC;IFHJN_+I_#<^UX@_ZN_YIY4(C?H=>^X#_W_9_MHJ@5NT2IT1=*@YD1YAG^IIRHU<+LYH7_U.CY6<^>^NW0XIR?P7V,EK&)6M^\$<
M.B.0RQ?PYV;CPJ@HHI\$6_MWIO_EEU_X^&X^W^>D6N2>5Y)S0UXHG_WOT&B.M;I^<QF^Y=FG(C#>9CZAIY6I&L^>N^>O&+A^=0#?<
L+I>=2JH@<I^E7RXKN^<MSI=+NRIZ_H8G;=W.Y#(I>+L4+I4^>?>X^>?>X^>8QI\$<^INRK_D>8_I_ME_I^>U+<BGL_ON?>Y=FFIH68;Y<^UTVR^D8Y+O<^<#?<
H>R^HC.T&OO.WYH.MPY92D73UCNIQ9QE.O.U.L_EBO=KFV?<MCZ4GD^HJW\$^E\$^IT&97I^FKI^MFN\$57^<DEH.Y@TB_<
4I4;DXG<3Z4YF>WQ^YI^E^<CIOI@>KCG_16I^>I^P2_M8;ER<9G^ABG3I2RWZHU^X0R^<I^Q_C0_1%&L10%>SJKN4F=V^<+^#>W>0>L_MCHIEFA^NIXNA^<1<
09UFHXGW<(ZY2FM;A&BQ_25Q^HIKO_Q6I+O#I0QA)EA.M\$?>2^TNCQ.N.EK&P5RR^IZISUIH@<5="69HE7KLN^IGZ^I^E^W^W+>3?0_MIJZNCQOXI^E^B^<
F!^HU!T9BY/^O4BZ_!H^BG^N.M&Z^<@S6I^F/H?6Z^TR^>_I=CF/HR_@N.XVO2^NEA(I7A3IC+^9U/4HXU_MVKE^IWT1/(ZD12^>HJL<^9IP9X^Y\$Y^<
R9TLE4I5ID;C^J^H19HFC_ME.CI+3BRB+^+1QBBA3?7NVH^K/QIAO?I7BH0\$?FYQO;IO5N^>Z_L80E@4C_M+(N^TM^D)JTC4X)Q5>BFCBEVXA9>I>S!_OIU?<
3+>IWDW^SHWU&7C;LAAB+^+5A28=>OUSCHD;R?GTMV_WENT+^*H;_F^13@>U^I4_MBY29=ENBMB*^<
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<=>Y8^<I7GT_X4S9^I&T&^>IY3JH=QTDU;N^1X@<(L5IBI^A.FW_MZ7(A8%#Q^<^<I0<^\$W%5/V^<16^<HID=4LZM?^DS_6B1I9.OD9ICJ;=>=>Y7<
MB_!/5_I^FUGULG^>+>U6N^>X9;7V@U^#5T^>Q^<Q^X253^>7R_<^<N^>Y8I;O;M)MT>@38I1_QO<I2BTB2<^<=LRK?I2<@>^<00Q\$SMW512C^T+6IN>)%I^M%\$*^<
C0I2Z;3\$L=API^X^X_A/I@>I^>I^>M00M@2C_Y^<G^<X2>^>45OM&^<^MT^GXT4VH5DO\$Q7Y?>=>L+I+WIJK=;\$IXE7IE^>C_4QW^>RD^>RGM<^<1XM<
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(I9_HJWX547^>JLX+^0X#>Z.2ZI^MWA7G55E?8^>J&SL^I^YVU2A4_>I2=1^#8^S+9?_OS6A%F33^52G)D8FIUUK>^D^M7GU@6^I8T^&P/U3Z_E4H!@<
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0&\$^=YAP!#;_*^WBBM^X^>@>JCP/C_UPI^M^#2E5>^IBH?KQW8E5#MGR8W^*#(X^J^RCP^T^OOCK28KU17B.C\$EIFF^L^MLEMNRERE<+DIWHOR_>V?F%U)5_B^<
N)RRN^8R(O^<RD(4#H1J^>L.FN3)Q_MG8EP<R9TAJE7I^>K^P^IZWHX5H12(OHW_MR<
D^4CP5(QRG4?>8>@L#P?>8>9+>+>OUIE^>R.KMU/F+>8NQ;BJR^SZH##>MXJOT7M5>Z/I^47QX^*MKG.LN9>)>O@ZF.3)=C^<^<+^*F7^>3+<
=I)I.AEKBY8^>I^<X5.V6YIBSU>CQC_M\$R(X\$?I2I^ZYBWA297POK3C+I9&^<I\$Q4^AKK^CX^H^MTX?>F)B^G^ITDI^TS6D5^T^G_XINA\$BID<3G(C^<LWA_KSG4<
XN_>^(2I20+TB&_P4I_Y2@)^E^<LM;IY?FL;UFE>_YRIT<+>0^XAG^>+>3J^M.CJBW6I^OPZY^C^VIAK;XHB;WUI+FE;K)DOT7BL^<C^<Z%N^<QF2OJOQ)G<
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MXST=DY(^)+Q13APFOI%K'A:VUG%2:17W2D+K&.>)9#.\$@%XYVKJH1)%%K MJ%#.@JLM*(3YI5=UJLHG00#Y#FP.\$MP8P96-JO*TI:AY29IHE M.#Y/C:V#32
YI-03-9 NR *RP:006DLT=F-G10/MMIOCKB\$NT:RAONI/SOX\$WT MIMTU<\$. QS"=5Y15C+H@CFW"HT(TJ9MDGCH@23E1FW.MC"42V8.Y#VP
R#JG1W01042C."9=&.-VM#B7@CFEY%OG&N&A1+UO<6>2I62.4 BY4Z(Z#)=E%4."M) MBT# 04.L&L6%^~DGD:HD7OICXW?..LD4-Q92WN/Q-
BS%10G)BVPE"&(0- M4#JS^2)@>46:2I62S1<@=E8UAGVE1)#.V4ISYVS%JE:PH&HN8: M8-)R"KB*&H5(TC=IG\$#V IOL0BX&X3\$FEY M>?>
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M<FWR-9NVQB+KTJPEYGNW1!> S215YQ<8NF@W+HJ4E(6ENK@P#&OVWA.M.NF\$W\$V=P4C3=-.TW#H?7.OTBD<ZNY38@+1\$EJ&GMVYGGK+%O-1
IM(I-MOKGCDV4.U((EP48#IHEPOU+Y%D263I.OPO.C4I93> MJ?)#NG+&P>2WJMG MMFG20#E+8>#MU\$J>E=F'GJG8G<\$6L)Q0.EH<~J-
K<BT1%BG%<@.NYC)E 6G!>=GM@.M4:4H.Q8^>+O+9JY5V<OK&=<MG30>+MVY3TOIT7MI>10Q#F+9K9R2IB1 M#~ ZOQVB4?A(F4XA/IF0ZZ?
X&4"H.XVLLY&4R;DL&4N9T8Z..Z<IR9I5 M.C2I#Y8ILQM-X1ITZ1<B=U>2YVH+PWAJUSEBPT Q<~>32(4.WT M.M&PF<~.CL@E'43<DAP<GU3?
GI9./:FBG(%5ZIQMS"N3%N%EEF1>2 ML<~1K.U<T7941%<4N<#F229I<06Y5US727:70:TXO%K9Q+5'D-3W)S6O6 M-2E)D?<
Y.S1^9Y5N16IM@<P10(DZXH/P11^10517DU.K4/P-E1ZP10V.SL78W.14?7@%#YN0I.R<D'4-5M>#9D"1<2.4 M+WDKU)'S1CZ">&+~MH67/MPKU1A5.
ID#1^1%>MH(B&B+~MH1&(DMJEGX-406\$.Q \$Z?<1IL.S2OW-2ZC=>23I?D=D-W-8UCB\$R<R<
M/L\$#@X8XQJPCPH\$S\$1)P-0\$THC<#MF@S%0'S1N0X/P\$RKN4XKIE ME0%Z&OS0IVU+2B"VUV5D0<^AXU.IF=K'=(QA-/9%@:G13K4I4W>~>LV.K
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MHL7..%2X-A-1V1"2)2>M.NE.EQ\$5.9PE@V\$5X2?2FOI.K@I>G:8GM-62 M.RR(I<T'<A'J-G2S%) W.WLSKL4\$1>D-S"%Q%)5I7MAB1@?HK@@PD<@/
M&B-7?/=OQ?E\$X#>~>Z.U5X\$A3 10S9NTNU1W3.BODIF7Q(WB:EZ5/T@?IC-6U:AV%~TFFOGIC M#(F)P15K7W7H2-4T&
<@TO1<~V1W-4DY-U8K95H@I#81N0<NR.NS9052 M.EQ0'4+2B"#\$4DEISU@Q%NLYTQZ:6GB1FM(XHORZ4WWY7TXN B)U-AW-MR55
HQIA-C=G-12N-D1VH-1J004K\$13Y4N6=ZHMJW:T+@GW.R6RI.BPHG MKP@#P=1=>G0=(W=E8..@*~.DRLOYV(6C'&41'13:Y'Q<@E5<~W-
MG'D(TAR&D%VNIOT.TTAB-4AAIMX66U?<HJ #G%\$LJE; 1U8&<%U "HUR.MY:3Z(A?&H) L7QTZ)219C<Y\$D%Q+3A55"Y.!!E7W8(G)JH+X<~CHJ*
M.J>N158XTB9VWV# 3>3B."KV1R#15M>+>6W5TPC-1R18&@<"B 836=-B L5"FGHW2I0Q%A#~ D=>8Y2M MF4KR>SS/21-MJ>TG-NL"B<~TBL-
1V1Z1-MX-A=-729NTB6:N(CD)3=NIHSIVA@%R5IXN;D>XU7L'75ODD R2> 8 M1#KPP"R-JYC1WHN0I(Z(R%M)57.MI92+K26C-MS13-0<67>#<1?<
HXI&<~V102X<VY@Q"1.F>WNE&ZJ<6-Y7/U4A0Q&MS+P'SI#A@V" (3SH-Q 8?I5S#<+ KZJ/>8.J9KLEY1V5K(L+N-V.M\$WNO+AV9E)U2R(OF<
F\$-L<~9PHC1.KP.03XJ/@F@YD14I3KX).53 MG.S1T#U813JAUL1.2"NS+G3Q.2122#KDA80R-WTK<~>U-18Y<7ANQ"P9;
M+?~=-.9PO.>2=H0>T&@M@GY5W6BL) D9E-Q^V<7-28APNA3.D0G:E5+1 MHL:=*PIE)X1+VY+XWS2G"2.M12<24.OC2
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M4:Y61+1M1C1IHECVCPY?>~R#A@/(- R#A@/(- R#A@/(- R#A@/(- M@OSIR JR.O-2-Y">+>FQ"1Z7/X'<#C=C=2(A)K4=<~R"JLC&ULW+UY<~<OXDB?<
Z-WX'OXJLT" M53S-JW=GUE1YU.2SK.RTE#HJQI>A<4V1TB12#F9I/P>#8R+H@#5/3-M152B(2I QCN=#C1%<~OCICSSHDSSD) Y/IH-GPC.8LS><
[<4<~W.Y.M9<~H-E RO-X"/.SU-ARBG2-X<#<(X7)=U7RW<~G#>#1=(16*0\$3K">~>M1+(Q0%)M1+G=UQ>W=JB<~O.D.6\$<WD?>(\$3ORP2"<
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IQ(+317B-O)HJ#F'ZRONZ=M1H M2H9I9?YFN2E?O6C#H M1PC6=#K3W6.5ZIXOGAC+0<6IBGYS)GH:~MYC+3<~0+~\$S<N1<6MN/
M*2:DJU27G1+>+>6+1=AM25<6FU3H(A)OX"\$4.@(BX@8P3N3KRPNXZG.G M)M1VUM7N<HFF&Z5MMF.MIC=<~>#DN:~RWQ:T.=~E2-D#XJ-2?<
H8<~T4 M4<~>U/H%3Y1=<~Y1%)90I\$H+Q0K6:9P0 TJ9W7?099S.S3Y02<~Z> 2IB51 M\$MJOY5>=WHH"LOU=VW25V'Z)<~>1QIB
1X<00(TA"\$>~H0A+HOLSS0V M9K9<~H1FEMF@B6C6J:Y J3\$2RT H6KMF79"G0I@8:1.5)ME-79:V-# MUP%CR2)-9&1VW0=4=6ZLK5IMFK&~W;5G5"J
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@3Z..HE7ZXT1+VY19Q2-D.N1Z@<M3&IV:Z29) BNOS>2#@IW(QVD4X.YV<~P.D%DE%)(.H\$B)24I)7EF#<~<1+M>~HJNCRD<~(E

#W&#*IAT H&7(K"OI1 SUMI/S8CEMOV74Z,MJ71(M:O;=<\$O9=,% ^7>#^KOV*5;YM74>M#KV+/B#;K7ZS*57G3IRE7WWB5>?OIW^
MWF2+RL+|CDO^EC2|DB2P(,0,\$4)>1CBBPWA(E+Bs14QLSUD>|S1F/KF=I M9A?/U O/H<@K5D\$UQ43NP9+P,AT7D?1616TGT^Q^&IM8#M6Z3I|
MRI_88Y|BGO^PQWV+HA+U21+<XNFI:A1PG@0<1=Z\$D2D?2|<L>N(,59) MI(4IQW\$THFS9I@D#A<I MAIANDCI?"D 845fE Y;?9G L4-9XE#&/M?>
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(IVDA|L@TD@L#1S^H?53.L+>|0^1G6.DJ|?^21UE-MT\$?%E!ZILZ^!;V0L=-/!\$UCXAX:N \$;)KHM M>=<3^<^S=UO/HI2J.DJ?<4X @3D;^IN7%#L2I^%>
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78A^UX X80\$&S^=10+>0 MN49V7WC6<^>|Y5CY4^Q@XH2\$ M@W)OA^R4 QC% 4PP2@D/G9(D|CME;8R.K)DM^P\$P)R;Hf+X&2FW U^M^
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f)&O\$|^Q (fKZ9Y^X^191%>IR4GP M.8&9<1<6;9Y^>f>=>X^GK<=f;@AP^*1+06%026%>4<67U3Q+&EW MK&P7K5-
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f_0,^>_>_>W6+>8DEL2^P1^OZ|1%66>+>710@G3E#N6J M7R fITXHf7G2^TY^<CTL^PAL53XLC60|6RY0+>HJ3&HB^R4JM^fS1)1M44E\$|
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```

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```


[illegible]

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!+2021J7R5 FL&P& O(EN\$)WTC)7P1FR9ICLGI26*>K)/U M%IN3LAIV>#EEIYC#EY;S^O=ZLIO MMGBM<IKAE\$97G 95I=W6I/+XS+S.VA M2NI DP>=A/APH.8H.KJ7\$Z1.3.<JD2J1>#H<=<K083%>W7QEF1>5VKYFO M3\$W:ANX2 .XUXY79L7%2QU?<5*Q1*ML/K/ "AFYWL N2KUY5+LJVU=DEH MWH.2+&JMSAFT@%>@8%3D.8AS@O. X3\$1MU< 3)U.RWURV;TB<=<=9W7Z1\$A M=LR7@=LM3W.KYT@U R43G3AR%*DE.35WQI!&1.50? \$:/U)+#O/Q" LZS MJ31<U+W+2IC DU>3).BJ BOOU%QOFB87Q52&MWB>GN M SRHFLPC (\$H3 M&S%)!%\$>48B5M4AG.(H6E.L 4=JE V9C.H.E5C.R9.W1.3?1 SS)H>587 ML2A1X#F&RG&P72NF7<E?27.A.B>+V79?< OLYLHXNS0.GI249<86C67 Q M<SS\$A.5*FRK:)VA"TCAC(9U M 9<3=LE9P1=<=<=3C9U12>BYX#GD40VR"LB=0+<3CED)P33A 2YTBX(1T M9H1+L @DP2?CGHN+G1A^H^Z G V4Q @V6F%70. B=0RLSU>W;1359) ZOPO M4)H\$V;&U"U .A.T5E&Q"<".L1<5ETLUC5IY&%8:HR4 NC2R10Y0UYI M450> D^MYL?@!>=<4ZIOY7XTU!;O&N6D\$D\$8Q9@B^C&81% L8H(D@D(CF%5;OG=H^0GNZV2Q2.O9&1<=<ZLJ27217[59QUPV A72H 5 M5F7HJN6U>*> Q2?12H Q.A.0)C"TFE2.A RH*9PC 9EU M=N1VN1YYPGPE"1W0#0=<S17Z1L1%Z<=<OYC.HRPLX1H1#N=<N70E7.F MGIUJ21#WL@C.81HRQ.03 (U)Q.O.FAOS.P49LS/IR531HEA33WE75Q4SY M"2(3?DIR[A>1JL#AFYWM.H8JM@70E8D+M6\$(WFP1.2 "K6VRKB*8I#-(H8 M%:41%414&:PO2G89R41A%5D.Z>79KY ?&BKN<.<.%@!WWMFK^<3>\$U MO>=<=<33JUP>=<#E9J2NPPE>JEG^0"VU7 M2MGLF3\$W*756P1<USY)U^0M&N 5 O5P1T367LHIFEP12%3 6!>0N=4F MC6GX1!<+<H2J1=WW\$PPLB21<@R>R>Z&=<OQC.NN21QOS O 25HVMY*MB^N<JRK>ZJ8< M3C8D;K23BCG8G55DPWE"=<#>R6L AZQ*3 JEA? BHJ>\$W!YP .# 3 /5 L1?W;6U*>.EJ\$M CEOLVZY@7XBFEU09 M:TS#80BLR/SNP\$M= L84F1 ILIVHCN<=WO@>1J.WN16960C.CF5CAU; M; %RRL1Y.AAB5B8QIS 1+2E56Y1 *1J1>5UOY&E4S(E.SR1=5AM M<^T\$1+Y MDM&E1B L P@<QA!E712%CS>0\$CC@7&+F7>1J= MW@N@9+? 76X@Y@<=<6&K/ID&V^9"0!QT.OHS2P2Y1@<G>1N7 QZOS<ZQZEY MW6Y.0W6N/R11L.U\$ 4Q2U=N\$QOG.*0MA\$J0D#>.PHDESJ.MA" J)+TsQTRN31+73&92.C<1>R&)YP9G<UZG-)4XU+GOY0.2MJIH+0RKKG9B> NP98HON7C/GVJEPZ?<IG4I8?3K M5JZD(X3- HJVBD8>X.K2IXH51%FL7L6A)0\$33(1Q1#1+<H1 S1*2ML=048 ML9GW=<#>M5T&P>9 5J>3 JH9PPP2<3.IKLO.QV>S145&1;N1+O^TCL MV^DF GK:YZ.DP.MWE(D W^<STQJ ZDZ H5-6>G78WGW @YSH55NVISF ME: (6DB8902)4 *6>2312A P1S&B(TI)M>=<BIFYU0# EM>=<CJX;F&F MYA\$HDMUJR*!(<#<LOCLEC>/LR<=<=<W E+>WI>=>FE+X)LW.V9VRJW: M9+Q<77>I@8VJT.OO: EHOI.WC%7IAA\$XLJ55&47Y187.GU55SVYD12LN=G6MYAOKZ<# M)1\$<1E>1E<=<IZ\$.\$1#>EG&XX^F841"HIEM9RDM<7HGA8^0 LKX/O? ZEKOHT&BG:<=<DNJ2<M MUMBUZ16<1Q3IVU>N3< V>J(DSDN81.OUA&NY\$8P1QULP290&.K3&#<#<TBX=<#<4D)> <)>DW&L<D12AJQ5>@1N2T=H9.B^+>PSE"8%&WY;2 SWY1D4ZOF6.M)F0.FI?/X<TJ7EZLF\$1E+&RBZ?>#E6ODHS;U!+9I2K F/O!>13.@@ MRE\$>BYQ\$>=A&H@92/K4(V\$5S<S14P6X)ZO!8K=<5K6F.P)XEBQ^FX4 M1PW854R78GQ O+UH^<1>9MCI0&@<Z"IV@9AHDHJLBMJK>J(KS^W H M+>V>Y^/O@1< C)HYDA1957FHO.94<X(AHU.ST2UEN?2WX48+8JKI5 MGN<=<.(LCP1C@X21.8% ECE3GC&C2DN.LY91?2A1%XL(R\$0# M<\$1=ZKX1<DLP4%19S\$0C1%117MQ1/QQW!L0=<=<^L.O*# G#54EZXI MM&M2J\$C^I"0180\$U)R<@."P@QB1* MCDHH(V=726)@M^6F%>T M0.HJXDM5M.MGF^8>Z?P873.COY1+<MJO.2WMJZ MVEM=LN.VK\$50VY*Z+6.2?1A O.M.ACKN>8271DJP>7F1\$QOB.X^O^T)J\$ M+7H^C@EO^@5W(I)* P9#Q@MH&((ZML<7^VP.B\$>.M.YMW#60L1+M\$50J MEZM=LW^01PHK7O/FA9E912C8<1 1C^U1L\$PT@2J05)2.M P#7G*1296 MGI\$)T=B3516VN\$A1.70+1.CZ<1G 8(6IF L G&R4ZS>8(11227&90.9&M)P.C30X66.L6S 13&WE?KKMO641BF^8XPC"(B31K&^EBD10@934@A*91 M.G4W9D)T^7A\$H\$Q1Y=4S!PXIR&15KGP56PDGEU0#^YZJKA<@FJN^D ML1X<1%IY 5#2IF8X31)"A\$18)5ID^<=<=QIO74HFQO;=<=<7L2P45:N? 3PE&^1%Z40LH\$A310Y01DW312 L M133S5F16ZDQ3ZEJW1+>JSC(U)HVV&UK9P^LIG A/R1U?>.\$17?1 MA1FW9@1+6>Z3S0C72WCTF (X #1U%2Z1(U#2+0\$)H\$=<VJ3&A10> MV^1.3RIEF8EAW0651.C2ZTH3 1^FE ^9RNR15N@LX5/DE9*\$&S 1.318T/H3/8 3&\$<.>)(S1P)96^F&B0#E.IKR M K&HRQO^<8\$T=74D3G0W5A9J.A10J>PMN=<CP>WB^OML.M8)1J L<8V# M<=<V.OA1H<79L8RG(H#B1AQ1*^A7+FI2F\$2A &D(0)20^W\$=<82WP@<MDHJ XV1HHE1Q40^?TN<G8R9>744^=<Q16>8TW2? MXN 7AH3&R.TIDGW73 GU7Z>P^O F70C^TR50K&LX4WN17^IWLGP I<=MEQ05%K/LMHIXH8.AO:6FB>D29EH.93M1<0.QU7Z81@1 MUGL<=<=IS01(6B.U(WLV>DRGZ1YTG9>6%14 H\$&G&1+IVZ52B.5GK2@5F MRCV3B^B4C2)<12+2)<6E1(=<#&S;P\$R@JD*=<=<=<H(RH35AJU9C/S. M6ICMOU#A19 O^FS&X1/1/8@<3S1T1# \$6>ZTY=<#O ^HNA=<=<H2>.\$0VU< MQQ(3HTE\$3^R"Q\$OLGK/MGK1M1-IN21XRH1P)5VY+KM>V1J2V7.300 M5CEHTR@<DKC&M\$&.(PCE@<=<R1 R^C+<S6+Z D.E8H1A5Y7N8.Q3RCK M&NIR 2IUS 73Y7>4LF2M HBIJG^8R17\$5UM#<N=KHISA0^2G>P%F5.O MY^C K1B1 Q^R)M7&^R(NEL5POSH6Y4K>KJ1A^H7%GRAX103&LC2?UI& MGJ EV7V1E1=5C>=>7MD=V55H5BJ?N M2B(8BYTD1P#B 1#V11G82@< MPW\$00P6/4F9TICA1GST=40 R 3IN\$^RI ST9IFEU6J16%<7RID+<1%J# M< OHA^O1+15167C 2ZPO.CLRWB^R/CLFEV= 2.12Q3>=>+<H21Z>16M M2EU^8L>=>7VP.96\$@<1%ZFE"1(HYP@6<3\$PRYVDDBB0AB>55S3GS.KMG=M M.Z0G^81^H.MNF5.S6+P1\$ Q2:72>76.OZ1(DIT<1W2?HP<H VZ7>W^ M22QNZ2^DGOLYR1PCM;&H82+EY1.KU>3/3R2LXIP<1+ZL F3Y5NKS0 MDW@O^75F1<7Y7G59M=(AMMYOJOM&XA)1C 0L1\$5HBB^<S^<40J>O+<+11 M899(9DMX9MVL6F FEBBBU+E1BVO&AKBNRYT6<S1U1^WBS)"* (DQ^R^B^C MY/H10N5QJ<.>9RDI5F26F 7A^O^YB21+>SX^YOI=V1Y.B ORR<A5H2)U M1^W1I3>#%<F1A1#37SLYJNP1N6)I&IPE9VY@<H2LZ\$S1^> MGI.G1JFOY<39SK.EYUD1=&

[illegible]

!LGT5E+<#X!%4WO4L\$%P0"/>J4G\$,41H|C\|AP7E*1%1\$9\$B>ZLD-MTX<>GCV?K22K+79?+T=O3_XG<-S,2?&48?JQ5-6\$X*?RI9E<-H|G.FF1Y#^M"=-
 AUK<-RZ|,H:9|K|,7%V|_>6|BJL2CZG?4A^FHLBVC#9^<G8^N^?^M^MZY7Z|6>QNBONR8190#F+0Q1|BF^Y<L9!DG_4A<+<%*29X|B\$B453-D_|6|R|
 M6G|HZUN\$|9W:5,*PVG_U^O2F>:SOT+RLCL_Q^<77^6U_C|U2?MT|_f<MK.6X|**QM|KWETC|UW9&-9WP=D|_O+2,M\$<?7W9=-M|SK9LP|CGJ|
 (PYR+5#KPD|L9|0|8XZJ9|4RV|,f.-OL9H|,|HYC=5|Z<+MG2IV2?F|E)B6Y4Y_8|O|W|_HM|B,^|OD|,=-IRB?<?HFF?<M|JOHHHS|
 (RUROV.B9T|920_FYL?<TVHPY_*6HPSU_9M3OL|T<|XN|D|>_M5|3+2|ZYM_|E|Z90G?|HM+V_2NEY-W=SOB|D6COA\$4^BD|&(&O#Z&-Y|,+:

[illegible]

[illegible]

\$!WN:RM)8Q6:C1ZD22CD!&G\$[\$.N:2)2,LUS3<^H1Y8/E>4^&M0Z6&-M) L R:44 6K[6]0IW<=>Y\$YI9=F@>P3H0TN/(A/ZS\$""CH"E/C7K) #BS= M+V5%6T?T4)M 1DO((OE86?2XG5fE.MQ4E2E,M17VQ0?&TA09=I(B3U 4 MP17.POU0T7.FLX9 6)S=S-:6Y?+KY.YQ\$F+*%3C4 F.DCTK.DUQ&>@Q%G' MT.=VU=:#QAW5N^<CH.SG-5\$VQ)\$SWB16:S _L Z92.MD)IBR1IFM^+>.\$6BJ<MTT(0\$-0.1JF.VM4#R*VU^<C&X<1G)&.&G?TL/?"S!;UOI+Y@U&=OPXO=R4" MBY) 1D^4K&G6 K2.Y1YJ 0#0J> (UQ Y?2?X< MOX NX;J<KCG9&N9D9Q%>FP M^K%>= I UWENU74 M5V10Q483;1AFU=Q>:OAR#J(2KU20:RR5\$2*1Z/NR9(ES M\$44C.0K.0!+PIP(H1J> (00 YR KB+8)B+R9XZ>A @.92X.52 RU:RLXU:7\$ M@S+&B101^8A"D00>/>=@-TURB0.K1XJ(LTG(BN(M(F(=-:0A5 ^Q06+Y2?1) MR>@GRB2DXD+18+)<G.0<1#(R2.UK&(H.B 8#1/1.Q^>.%Y00./EJZY>SXU6HZ.MA15JPC5/1M%(@="E_@ G-CH&^"CZ!MQ+DY+/1Y8MA.&LY.GBKOG#PZA*6 M%WCD 6VY^/1<^<7BHNN??Y1\$A:TH" BHY[(B">?1<3%Y9CQ)37- ZYN#B M 7#1<^JREF!QL>?>F?>KM(4?+9>@VKCOY>S S%AM49L0H6S^D52BC%BJ M\$G^H>NB3H.^X5X<_U-2Z<@X>UEK(CT4+)>SC^N+)>OEOQ)14" B8C7W/G. 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PN^1.MXKDS&A^YACX.^5UB&1.YR.^2IRH5A1&.MLV7&K.)\$YBRJ3^<83^ATP.7D.L80=HZZ.ZIH^D5)MP!@B^C51^MUUMI MN\$J7^H/BPAL&ROF2Q28@0H%=>#Z80A9) L M&H/K ORCLA>08=EUZGYCGD>94J51 9@!X!^Q8XM37@2AP)GQ7ENHD?ZHI9 M.S8=>FV>OH^>?>K 3TBKKP21S.OH&H.-6<=>I91\$64\$LS\$Y)=HB^J6 M^B60.4#M ^D14L.J9!%<1<(273D .1V%6!^1ZF7H?2^10B^>?>=1#KB4F6 M/ CCB/R#-OHVSP?CD=? 0B*^UK0^1H^X(T\$G&@&OLA59^1L.F.(?V7Y^M/M.TLL/KZNB(N)I)OWL.X16145X4V-SK OOR M^C66:8)YNG!" (_PM30)3W+N.\$1DP7K.^132O7X)GV<^FGZ%O9S4 N=F+IB216021UD) _IMT!060H\$ORK6NOOHHBJM!FX#^AP\$#P6C 2B:1D7B4^+Y40Q.^X MHRO&3J^ZD1+M9T^GF37<@-?W&.>O%TMT>>>?>9.Q^Z>EGZJ^U4(5!+!<N@ M/(WOJTW!YTY&X\$W^K@ (F2+>HW? B/19E1F2KM(HL;BD N=NAN^D7.M;CP ^M83N<^1R _Y\$720?167\$QYH!NH!<1)25C(M^<H?ZC7 TVGRR(5YTIC^1M M(N)Q)HBB3<^")Q19Y1+YSELO-2TWZP0\$TGMX@P^A14WPOGRG8Z\$F<+! ME6\$6LH0NU16AKY?H44X8 NXI^"DDL3^HHR)LB0^X9XCDJOL- *\$4.8R^Q@W/^4JUSIG5L? MNL8M^618QD.^E& #"?@M MPJ4)X\$URCM.VV)59.^0!SQGBV3U WWP^TGUXJ&@7N82!DTKUVNW&NXB!1&: MZU^909I< &IGV\$ _!TU^P6<#UOH15L6.64PKBO^U!H M 4VE5^AZ=ZDET\$FEX-OH?DUH>P<=>#UBN:O^EWSU= M!J(N^A^ CY1&3!^J MCC<7#^N)TC&6G^D! (TOSH)(IPK=L683D1Z&VJ.^4- CGG\$3Y\$615\$WH#0H M4\$OL3EH+^#G(R2.%50%N6UX1.ML0LHR\$S080^M^MOV0K%3\$34 4V45-^J MTN=HCC RO30V4L92844BD9HRSU)XA@\$HBU8RFP(7M0N^H?2?JR<0\$6<^"W4 M!@#198!WLMA!FF<9.^Z 5%47 MB^7D<^RXB^9G%7MT.^%>=&JA7!<.* M&X&#(R^<GJRV+EW!+JZ^?*>@!MQTH!TG7IELU=Q6<#<X^R+&+4B4X9R M9VPQO @!<60S^#N.JU!>? 2P>_V.X(O!IK0& WMY@B@=>?23<5MD3;5(L MS=8S2-Q1\$^FY@M<N.V9YN0 9KIU\$3H3Y.K W!T5^ZKF4 3P/32+!<7ANN&^UQZ\$S16X;8@KHK^Q B>Y^B6PP0K82R%>CJ(B/!A(OM.S- D5Z(ZG5^CQ\$T;NNIFCY@>.\$W@&W MB.G%)UA>[K7.G7AJ NBH^6F.PJSR)\$*6(OY=E8.I<3MX@ (R1&J95!RI M.FX B+WRU!W!W(NX3(B8..R682P4Q @.J&^>21^L3^UQ!+6GMD.^D9N M8U23X!&Q.P4V.W 3F=S29:2\$U+!&Q(EO2=&#R4TDB)EUG(Z99EUU1L<[M8> MN0=>15P<=" _M1W4#>?J1 6=W4.S<CQZ1A.YYR@> L3B.W6/5.CQF6G)GLD.992PRB- MYE8\$Q3(9&7MAH(GD^MRZAO.ITGZP!>@ZSLQ8- +4DIPCO@ (4CW^WA+&MO5 V^*M8:0 Z^=GOX9J65\$!M/DF2#>0TWY!JF.ZFZREFLXU+NY7/BOE\$*562 M6^OOUZ^Q5EG%I2+2@^Y- @ZL.J\$Z\$A!<#9D5=LZDM.T.SAZF^T1%#9B> MEQ^NJQY(N=>_W&@!7*63T**=&!=! LVH!X1K60B>6!2R;1CJWHQEOC^V M SC9%6&HJ1!<=" _Z8" _LPVK1E)Y1KS<@3A^K%>+!<D#E.R:CFYRSH^"HJ1TJ)OJHO.YXLA> >*%VZX^/F+>+PI^E)@ 3^G54ZJ.PJZD/7N#5P M9P%9=24T #G<\$.S_L.^D=UVS(45021BG^D3DY\$^XN2H.WDD493/62@H>(<M&=>PIEP6K((B&D#4^>@E!6;00?7.9EM00AA!=\$+Y266Z6Y!_DF=.NYPBCI5+ MQ4ID>=>S*O;@!YQ>00#P.XI&N5M.2)00%&QA /1 #?U)B0T5\$N=>1=G^P M7.2YD7Z.Z^O(6&R0LHM\$LY=WXVJ2H\$H5(C)EEZ\$53@31 JK=&46MY5G7SF= M1E3<6KWS@.AT^631@A6X7T5!QFM7\$=>%%#> (O^K+SO&\$&OE(4"X"\$(SU\$H M !^H-8OIS@<RONHH 6GE(FM=M^/N<=&LRS:S403.B0?#&2L!H8DI.A3.\$@# MH(4C%L?=>QYLU5%# Z ZUF?<^JG<^>)%3)CG)"*!L0^HJ4+ MIU.IT^D.I.M.WO=^MV\$MAV^>K 8.Q^E.BLOX)D@Y>J<=>RK+&Y7 M? W5Q@ (R1Z.G.@K<30!>P%Z=>Q@(<_ISR8)I&PEQ01^&P51>2>29X1!OGCCM.L 4N#2?7.9TLW^W!LP<I2ZBYK>RIGZ8WQ?2^RO2^U3VV)HFF O8HX9%G MB^RRW+S1=29;B07!M.NY/UCJDN\$SQA/K.N:AI PV=8^<D! MVKHZ02/4#D@29521QD1D@="EQ8RW-JGH=V-!<C^M^G75810Q0WI2? M)S00&#&4.X\$Q6G\$<_YC^R+7V=H/66U3=Y!^D:N13P^M\$5Z4?0Y J^F!42 MZ^YN=ZH@22G3OJ2)B8C88;=H= T!@3J4H!H\$WUS.(^&F!/(O+M MQ^K)4<&K F<2#9^0.2!..@.932IOH7\$4WTFASWS54U1S!>^ M1C^!S!Q@T52fI0)QBQZ^ITU0!>2.AH!UYO5Z@HY<+1Q@<G^B MG6P MQGKTO<0)N^MYGO2MG? 1XFIHY@&=#U1J^Y\$10+V16! 62EIBG(D R.GFQ@<M^2UC M#B4^X%330GUETPYZJTA9E!<^!UK\$<P?>W=J!HP-QCHO(U&B M#)#NDPMUX9HKP.W&HTRU.98!^&8@T8^FABF<I@ (W+G-8E)@B.MD>R#Q(5MHE2R3R!)1B9:N+G @7J\$=<K8>^>3!1F!@U+NF2B.14GFT MF)? =^NS=>#6Q\$DDRR4H)6GDL28DJ\$1J1<=>#U! 3>82@1K1TA^8?LW) M8F!0W=X>+FXI^Y1G^DJ!4^TDD525Z6.5?20#44J.QL#IMAM-(W.Z>JAR\$9057NM(H! H0U^UQ\$NM^#<C^4^%6YIQ3ROC?RMAY MCYQKP^KZB!\$52TGJYK\$8&2TGZIRAKA^!OI(KW+S1^BZ>=>X14R9X\$+ M?> #P1J9D<@H8\$EL.D-0%\$BSN0^6<\$.!^%7-QG2TFLC12^!WR#^+UQ\$&WW MF16<=>Q8<292ZTKA2\$2>3QE!<@K9@^AUH7\$."18\$5(=<=<M^PGX1& M208J9C^<W# OCA&G1O2K.PE;Y _H N -IG<77B^6?2IDFH)P^T21^76+> M7@<2PRZG9PE&WRN7=SR1(429>B8C^=>33/INE5E(XQ.%M^R>VTRD@DBL MXF6^K-8@G0H)UX;6DXM;H/ HJ^!&E.62K1B/G2.VX Y.KEH\$(FM<4.1) M!L Y!L(YQ 4CQ@?>19L7L33>#(O2+19Z2N!..B34Y MA1R.Q&? KB8R=Z!D!T5F&P(R#^N_N-BM/JZ!>DZT^2GQ!D!27NU6) _&+&JZ M/C".E^R4Q&NG^14Q

Y3.W?BY=6R6.;- M(>SK5-UC&Z0HJCB!"Z4I+B6E7H"7\$B4? G\$Z2.%R%E+;(4I> MD)U\$YIK.LY^RPVFP991VSU.L^A+&2XD0!CVI4L9"18P0CGC EK?>T=N! MDX&<IWE^QBMI+&CO.B0 PY6H9ZJLTLTY^<@#KZ2+0G1Q0?P.9MG M+?2C(GHB4)39<%%&U2Y>PHX1X4.3LLA!M^TQ?1HB5!2LA&+4AD"8P(C M7I [G<=>#&2D)9.C&G<OU+6! Z%YK=&.QCGGQWQZ&G.NJC9IW.G@ 6K1Y72U M2D.5!1FA^>J1.J2\$QB(\$<P0RPT>80-1C!&EZM^39FWFE)O.NZ(6I2/!X#@G M.\$=1JZEG006@OYQ^G2.8HJ>K?<+O H890S6MJM)XMIJ^0VE;\$0E%CEL KC2WD>^JJ^%Q-PPS> MXO;.<C.>=&1LZ5#RCR^0HDI^E. 4\$B>=>N^Y)VLB#1<H PR@K!<CZN MS9W^X7YQ64+>9.KPG.9C2CQ@AFNA264QC\$(SCKT^4@7CB6H031A IQB@VZ M1QX=TH^6U7-4#4!5F5" LS&TA6H150.PDSC!RM 4 0ZC4UFJ>=> 3ZT^M2UQ+2WY\$Z ^7WK@R5B40\$VY=>LB" MAHZ-U7G5755D^! T KQ6M^%6^N;G. S4MN5FHH3!>5!WBHWV3E>J^K2AI9 M@8^L8DV^G&23^GYFRT13L2\$\$.BA^D2KO^<Y>>4=K.MGOE!N2E26GG 8P7H.M35S!+7X6UQBO=3/6- R.Z?70.SIO!&UQK?>@7LH8?2RERN?3GQD!HXYQRD MKGTRUZYD=K@4Y%VU?>=>7@&+X5Z05^<^D4F!^<2J9!>2J1<=>#>2@>M=KCIQ^XP4 UANX? KHIBB(="M\$<NDK^<=0.@ 4Z4U9UJ=>3\$>3 YOGFN M.\$S)@U01+92.FH0)5!F%W^A<C!W^KC!F.CB^*!MZ^AGV^9RQ3 /MHS!/^V1+!V7W?2 GWB;4+>DNCRBW31XK8/9.Q6^#Y&PZBM?2G4AZYQ+2^X M^+F.BZ^MRA\$M. 8KFVI:~/"\$%#JHLL+6+U;H0H9YGC+^"6@D4ME K(H<M? 2H%+1^2FX3YGOASP^6&<^<@.NFHHHPN1)3&55QW93)B;.<^HJ83) MV. M#1J9+J.XS2D. 9P@ZJIB0^QPMFV!>J^T^Z<4H- 2?@>=0Z1V^MEZOF^ #MQMT^29P 1KN8\$OV.G^5^EB5&4!<GGCJ! M@5O1JR.S^VE@>@UKT8-8H!Y6%B.KKHG^JYPBV!SOW14V!<="BX5)0! M1F2FE(\$0C^!D.9=W4? f6;HIV^\$&MM7FI^L3Z^FD485UVI.9DZ2^3Q#B^0@%# MHC<2=PX-QH?>==1)65HM43BOTH.ZW9RYDP=F21@72(^YMHQ..?2BT4O M-STO+JPK1L3OF? 8.SY?>WZ2A.L2.O=3WR^>6^X P<+1QV8 DCGM@H@>M 6M03&K3B;^M^#76N=8P8 J4=0.@RAIMUZVT25F!L2S58\$Y\$S^E2)W3 MEB-0H. (OG:7G 16FLH.XIM\$5)931SN+!<+!<3 HJVE&00;80AYYBC&B M\$S)H!&+H!&=6XOR8P B28!R@JH52^H^2250304^FOI80:17\$VU0+&N^M< M3)U+!>="INP3>BC2./2^27X?>D9H!HNGLYGK.0=UY5LH0L(\$4>#1\$%IK@A M@JY^@.OW #.11!1#T\$!\$TDY.M@R P&>M(A&17^U3^LZE#1JG7D M^..ZF5V>@/5B^2QN&G1TK.S3WJ57559R2M^"(1+8@&YXXC&IDB.^NYP:0Q M/WIAY3UFBP!Q0^BX&5.GJ CM^&E5>G^TN^AE8+WG^A+I2T)M HIZ\$ MHQ(WYCKE1 /6G5)HN^>S1X134@>YVU221M^Y>6@REFZ21&E!&E VL\$ M^C^J7.GH(D7P!L>H0>@>S.N3R2J2I R!<1<FU1^H3HCRA+3@Q MIE0^!M(\$&6!%YR.%85OM&GICUJXV78^!F0(DL JY9W!>7R^<\$.YVE/(MR&7I0&LD;DV=1^12A9S^B)J>Z.L\$REO9\$+3F>^>(>?P!F Y!>4)A. (^YRK M!S- B5^6B.6E2B)2ZS<@G 048" @E!RV17X^L+SL^&^&1TD1!H(CU^CTY92U L&B+53E1^?@>0+4W.N>=>M6Q4E=>?>1^MXX>RT^!S0)H)U)Q\$J0FW^#P6I&7&! <=>N!+5!<R0!^9CF M.MW^6Y3M>?>W^O8W\$%7WHH@C+EA4N46ZL!^F&2!1M5)S@3=>9.60H!<NH!K7?>8NMN>L!S.#&3)D)C.C.T.Z0B%""JX MJ^VH^G7!^Q02R7.O.^HLE^A%P&GFC+J^3>@982D020(%)H!&E L M64U.ZL9H=8 1=29.Q0T^G<9^9#2GX!W^O-MTU.# EU:77.T.NB<: MI7U OCU!J^Z!<C.V7G^C@6^*UW3+3M^6)U+@>4=TXD7WT8SP!LC.NT M!&+>O!BA62)3FV.Y?E?H7AMAOL0E@WHIHP^B5E!(PSP&D)"(MYR7-G4 M-HH!>W^FCRG R3!<Z.TRP&HPHUY3X&6^2)HUTP!S>RS97F M^CTJ!XP&O!Q:0B3B!JL3V.99;KO2!XM.G2H1Y6^Y4H>T\$9T9YQ5+M M\$^XW !FN3>*VZ>E>3R@1H1>V7(HU&)&I6D "1G^ZR35E)H.V.KQ!<L\$S=>4.MB&!DW\$%M&G2% M15^C^KF^*3A!2HJ82!X16P^1VMHMI.L3 4Y)OO!<4@G.U? M.R9CU9?7EWY?9\$ 3B-FTSR^PKZ^F.WW?G&Q!^IOL5.KP\$T/3^XIA2.8IBI M-(KF C+7^&MH25C4^K N^<^C\$C!<^<6X^9.6?BGW.#4G.1&2783^O/Y MKR^R YJ2TEP^P14=1XDG.^F^&8SE31G.0.9K<!^!"N!YKWP^E QSH.LK7G+ MJ0&^POP^BHOW\$3.62^YUS&C&AWX^<OJR2R4E4\$=10.2FJN1.T0D!>7 MKIOP2FN(GX@."3\$C9.FAX<=U!T9.TFTM<UWF9L=0SEP^YTG^&4ZRFQ MG&9T^43B^#POK^185 .QC5D0V^H?HWWK^!HJWZ!+7<IE.O+5X3.D DD4I&..5M!HM^DXU^F+ZU+8E#L.MYJ.O(H^29) O\$!G+G.JD@<1 M 8:7ZPXC=IDQ48H!&+PRC!JCUOY+00!CWGN!H\$C- Z"&QGV\$415503? M^/2-? 3UESYV4N JD<=<0<L.Z0R.J^QU!H978ZKZ=GG45P7856>O!A2O M4C4M^L.MH>19.9.B9J4JUE2F@L0\$H1AS74+L2!7^3Y.NIML?HW M7GK Y7059XO5U1)N=JDP8.0 C%&X19449 2^B&^&YH!>R^FVJ?@DxD<IV@ M/R!OCTX<4JO V12RB!/TPND.H^!<N.K C3C>1^GU3740.BMY^Y+&O=>_F MQN.YF MCIE+WOZ RDG(IZBK9CB2T^!+UY.RIC W-9 F^X=TL6MROZ^Z(K>HXU)3H M^2XJC!7^16<USP8^Y+7GTH+FGFZ.G+ !VW.8PWPDE.MA!&^X8^=1\$PG.X M\$G3O^AW2GTCFV.SH)@Q.O3HNBWSBNW.T8B1W.W5=>@796LX72G^T 6 ML^P<X%KRV1ADD2=>FM%\$D:BX=? T+5=C42Q5.K<@C+0C^KF5\$5L3+L 8=& MK\$G\$""32IY""@8NU1.8.1 KDH^J8>+!<Y50-&L/LZNNQIK&1B1B>=F7AO&5 MB>_YJO6EJ T.GZSS4^V!66A0!M^B#<^7+>?>\$FZ JS =70JFT6<07CL^M1M4*>199^CAR.8 MTRD!H7+EDID>2(17\$XO!>TGE^559O@UWZZ^!NX+?P!>1=P>86L/2 TY=MHJ!>HJQK6WJE&Z5<8 ^LL#>10J3+P1^2B2(2F-47F=IV)-7E+&E8E^92(ZNAE^>S.8D367LC+UFT>16AD7>FCE^%OIGZ>U3-8+VKEQ3> 0WU4J? KS _&H..65#1! ^M^" _#E V&IRP1I27@N961Q>(4C>IX ED0 L VZC2 G^Z&2B.S.40 P M^+YV&25M<L!> 7FINMNZ<L1>2@<XD8G49HX.T.D\$8L3YP\$QKR^X" @/ MU7N/(7 DSN!)%GL9L=X1W2P0!\$L<4X!@441WG!Q!+TG#<G>6W7ZFEDAGIZ^ M&PA!YI^?>WYBW=7CE<^/X1+KH.L /T UA<+V7S!X2!PIXZZT^<SWR;70 M.X @Y(UW^!W^XLEMW8F>OGD&5J@G.E^X2UY3ED)+ZK+J2TZOU.^Z J! M^<G>GYR>@=SSVYTO!1)SMNDRWQZ3.1TE+BH%#^XIXT&^1H7O?F2 W^<D!G!N M/96MK(SFK<4.6.55% RS2^H^1P^ RPVO>D .BN^A@64HRX!C!<=>875!S M1ACGG\$E\$DIHY.2B+G1%77\$T5HJ1>@.J3H7!50F B3G!6^X%#&F6X\$KS M^3!F9B3P1 6FT7K!>?>E=S=IL/LRWESX0&29%) MBK&+GTC A^M^J^>2.9IEYJ5^ OQ%XMWKM=C C@FU<IW^5 .<U M^<^UK5W3Z^!>L.W6JXGU!L!3=QJAW@#M>M!M83ZN!^OHL&94@A! IRIZF8-S^P.Y@0A.P^!10L MNH!< !AOM&^\$H.H=HF 0A^*)N.YOH!<^>1.01P(XYG8@B VHI 8@N)W<M<?>4SAVF6+92VT A-(D26+J1B+2^EOQ(W2^5H)U>+L\$A@UU""9720.X M>S/_JNN

#%#L6XR%#3AL9J%#FB%#A\$96#=#2Q#J\$VJP?@>...U1H(3W5\$ MWPB&YO@CW^ R85Q@ (29.0:YU(L>H94\$8RGL^#%(N7:25N.YR%JB1H&/@V89D4
IVT(3T6^2F4I+J>S>M.HJ=>=>D&H(=>=>HP8:3J4AJ3WHM/8C9:9F2F%EGPO+>=>SQ:9YHYEE%ET6
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MQV^R19E)A@F64416^HFI@/J0940B5I^C@YUF-PF>?QJ6HKF5M MJLA8X@.3<6V25FYRY/W/M2<I2N^U^MC3^+H^'2Q^%PEJIAV77=NHN
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I^1UWV)^2R1X8B>+>Y^TW>+I=>IG^Y^WM805WXXN^M^G^K35YD0?6BLX.Z.0^I#>I&TH^M751>0EL^H12>=>H.T.GDQAO=M^SHP377=
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M^7U/L^/IUKH^>29^17IEQ4^#68^R43M3JA^>XCOLM^1^VBT^>QKWEM^/H^MP26.Y+Y^9O.E8E.W5CCKTW5&E)E^0?2\$1^>6.MN55-Q<^9A5%<
&^&DQ7^C-S.U^91R/TIPZ&JIR+XG(75;VNW=>V>?O\$D M^=(%J)U@:T L3ZJ^A^R^36^4JH^7Z#I34KG6^).NIA\$E362A^I^KDUK=8!
M(OJ(CSCTK\$R.M^N1#^PER^#(P^#2UD26WM^>5^1:IO:>@I^X^9N6J^R^C\$M^>)RO^>KOW7/EWV^65Y+P^H\$XHP&P1E^H^4^1C^B0^47Z4.CH1T^M
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HOJM2Z^054=(Y M^5GH;H^I^B>O.ZI3.CO^TU@>O(KRKO M^7+INXS<=>I>7COCE^COZ.G_Z9+I+UG\$9(TL024ZE%9^0BE@>2^T;2^M^D?74D19Q7X@>IL A-
=>XJXWU^A.S1KZBWGI^XLIMK(2UC^9JW7^Y15^1\$ M^L)2W%>.(W^XRSQ^EX4&SZ1&1M7GMPM+77COAG^WBPJ^KUF^GNO>=>=>I^MS21P^>
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1&KO2^BW18!N!#<,\$K^//S^M+>CUNIG^HP)U^W^I^>P^O2^B^IAO3^R\$J^3R+ZRN^G^H9AOA7E^U^Z4^N^7^IV^MBY>2U^BONN&L^J^K>T@>3%OK%
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IR^E^XK&AFIU^>#^K14^7D4^I?7^7Q88%=>RK MIZ<O.N^4<4^QKZ^81E9P^>N^WHITFO^>X>O.TIOX^KF13TLIN^<NXYMS>
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M^JD^SV43=2#H^V27^MBA7^>#^I^X3^3H5?U^P.T5+52N^>?G0R?^>2 Y2TP M^6.E9^O3YR^I^B1Y^C^>9RLLIS9Y6UL\$Q^XZK0I8I4/>7<IK1F7^H7BR4R
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[illegible]

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MG&^7H#P8?KTDITPKAQ96YV^@%J2,1<16E(HXX<@8?B)<=G6ARVA<+HE MD;^IN^JA/TALAA6^K'E^""Z:\$%Q11\$PMP501A\$E.%L^<6X;^MNGH?
HH+HBW\$1>=>RT2<IDB.I4-E-RE RJ7@-ZS6E^=3YL:HIY53PONKG-E3VYN:OCJH0Z9EE?
5!>+S7QOBWE78\$7_8W=T700YOG//EXIXSV_U^-2NNRJUS/6A9N/X3UM/6_X;V15B_=OR MYN^N14_*\$9CIE35B,IA G60M2Q)??2U>
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7221MOTOROLA SOLUTIONS, INC.DE36-1115800500 W. Monroe StreetChicagoIL60661847576-5000Common StockMSINNYSEYesNoYesYesLarge Accelerated Filerfalsefalsefalsefalsefalse56300000000166936952<div style="margin-top:3pt;text-indent:18pt">Portions of the registrant's definitive Proxy Statement to be delivered to stockholders in connection with its 2025 Annual Meeting of Shareholders (the "Proxy Statement"), to be filed within 120 days of the end of the fiscal year ended December 31, 2024are incorporated by reference into Part III of this Annual Report on Form 10-K (this "Form 10-K").</div>2024-12-31-12-31<div style="margin-top:5pt;text-indent:22.5pt">We assess, identify and manage material risks from cybersecurity threats through various protective policies, procedures and processes, including through: (1) the monitoring responsibilities of our cybersecurity program; (2) our information security policies and standards, including our global incident response procedure; (3) our audit services department's annual enterprise risk management ("ERM") assessment; (4) our third-party cybersecurity risk assessment program; and (5) cybersecurity insurance.</div><div style="margin-top:5pt;text-indent:22.5pt">Designed to maintain the confidentiality, integrity and availability of customer and internal company information, our cybersecurity program focuses on protecting our enterprise information systems and the secure development and deployment of our products. We monitor for critical vulnerabilities and threat actor activity, and work to create a unified view to prioritize protecting our critical infrastructure (including potential impacts to key third-party service providers to the Company). The cybersecurity program, which is led by our Vice President of Cybersecurity & Information Technology Infrastructure, holds regular meetings to review ongoing internal information security investigations. We assess the effectiveness of our cybersecurity program using self-assessments and independent third-party analyses, and evaluate our program using frameworks such as the National Institute of Standards and Technology ("NIST") Cybersecurity Framework. In addition to these independent third-party analyses, third parties also provide services to support our cybersecurity in several ways, such as through penetration testing and commercial information security threat sharing networks, and by assisting with tabletop exercises and certain monitoring activities.</div><div style="margin-top:5pt;text-indent:22.5pt">We have designed and implemented a global incident response procedure, which helps enable us to quickly detect, respond to, and recover from third-party malicious attacks and potential security incidents. This procedure includes formal steps to review incidents and implement improvements, including steps to involve the Vice President of Cybersecurity & Information Technology Infrastructure, as appropriate. In addition, we have other specific information security policies and standards, organized to align with various NIST frameworks, which we use to manage our cybersecurity risks.</div><div style="margin-top:5pt;text-indent:22.5pt">Assessing, identifying and managing cybersecurity risks are integrated into our audit services department's annual ERM assessment, which is designed to identify, assess, prioritize, mitigate and monitor our principal risks. The ERM assessment considers the probability, impact and velocity of potential risks, providing management and the Audit Committee with an overarching and objective view of the Company's risk management activities. Audit services identifies and conducts engagements utilizing inputs from the ERM assessment. The engagements span financial, operational, strategic and compliance risks, with a view to assessing risks over a two-year time horizon. The engagement results assist management in maintaining acceptable risk levels. The Vice President of Audit Services reports directly to the Audit Committee as well as to the Chief Financial Officer and meets regularly with the Audit Committee and its chairperson, including in executive sessions. Separately, the Vice President of Audit Services and Vice President of Ethics & Compliance head an internal cross-functional team (including members from our cybersecurity and data privacy programs, among others) that holds regular meetings to discuss the key risks facing the Company and related mitigation efforts, including cybersecurity risks. Cybersecurity risk is tracked as a principal risk within the context of the ERM assessment.</div><div style="margin-top:5pt;text-indent:22.5pt">In addition, we have processes designed to oversee and identify risks from cybersecurity threats associated with our use of third-party service providers. Pursuant to our third-party cybersecurity risk assessment program, any outsource partners and suppliers that have access to the Company's data or customer data complete a risk assessment prior to the Company engaging with such parties. Using the assessments, our cybersecurity program looks to determine any gaps and identified risks, and then appropriate teams within the Company work to track and remediate such risks. These third-party risk assessments are foundational for how we manage and monitor our supply chain.</div><div style="margin-top:5pt;text-indent:22.5pt">To further complement the processes described above, we maintain insurance related to cybersecurity risks. We maintain a broad portfolio of insurance coverage, leveraging the products of multiple companies to help ensure appropriate protection.</div><div style="margin-top:5pt;text-indent:22.5pt">We are subject to attempts to compromise our information technology systems from both internal and external sources. Like all information technology systems, our systems have been in the past, and could be in the future, vulnerable to damage, unauthorized access or interruption from a variety of sources. As of the filing of this Form 10-K, we are not aware of any such attacks that have occurred since the beginning of 2024 that have materially affected, or are reasonably likely to materially affect, us, including our business strategy, results of operations or financial condition. However, if as a result of any future attacks our information technology systems are significantly damaged, cease to function properly or are subject to a significant cybersecurity breach, we may suffer an interruption in our ability to manage and operate our business, and our business strategy, results of operations or financial condition could be adversely affected. Such attacks, whether or not successful, could damage our reputation and result in significant costs related to, for example, repairing or replacing our IT systems; the loss of critical data; interruptions or delays in our ability, or that of our customers, to perform critical functions; defending against claims for breach of contracts, tort and other civil claims without adequate indemnification from our suppliers; providing time-sensitive notification requirements; and providing modifications or replacements to our products and services. In addition, the volume, frequency and sophistication of these threats (including through the use of AI) continues to grow and the complexity and scale of the systems to be protected continues to increase. See "Risks Related to Information Technology and Intellectual Property" in "Part I, Item 1A. Risk Factors" of this Form 10-K for further information.</div>true<div style="margin-top:5pt;text-indent:22.5pt">Assessing, identifying and managing cybersecurity risks are integrated into our audit services department's annual ERM assessment, which is designed to identify, assess, prioritize, mitigate and monitor our principal risks. The ERM assessment considers the probability, impact and velocity of potential risks, providing management and the Audit Committee with an overarching and objective view of the Company's risk management activities. Audit services identifies and conducts engagements utilizing inputs from the ERM assessment. The engagements span financial, operational, strategic and compliance risks, with a view to assessing risks over a two-year time horizon. The engagement results assist management in maintaining acceptable risk levels. 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Cybersecurity risk is tracked as a principal risk within the context of the ERM assessment.</div>trueThe Vice President of Audit Services reports directly to the Audit Committee as well as to the Chief Financial Officer and meets regularly with the Audit Committee and its chairperson, including in executive sessions.Our Vice President of Cybersecurity & Information Technology Infrastructure, along with this individual's teams, are in charge of assessing and managing our risks related to cybersecurity, including by setting our strategy, policies, standards and processes in these areas, as further described above under "Risk Management & Strategy." Utilizing the processes noted above, these teams remain informed about and monitor the prevention, detection, mitigation and remediation of cybersecurity incidents.false<div style="margin-top:5pt;text-indent:22.5pt">Our Board has delegated to the Audit Committee the responsibility to oversee risks related to cybersecurity threats. Specifically, subject to oversight by the full Board, the Vice President of Cybersecurity & Information Technology Infrastructure provides the Audit Committee with periodic cybersecurity and information security reports, including recent cybersecurity incidents and cybersecurity products and operations. Annually, the Vice President of Audit Services reviews the results of the ERM assessment with the Audit Committee as well. In addition, a subset or the full group of certain individuals, such as our Chief Information Officer, Vice President of Cybersecurity & Information Technology Infrastructure, and Data Protection Officer, present at least once per year to the Audit Committee regarding cybersecurity and data privacy risk topics. The full Board is regularly informed about such risks through Audit Committee reports and presentations.</div>Annually, the Vice President of Audit Services reviews the results of the ERM assessment with the Audit Committee as well. 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This individual began their career as a security engineer, progressing to a security architect, and then to overall leader of the Cybersecurity and Information Technology Infrastructure functions at the Company. This individual holds a Master of Computer Science degree. This individual also maintains a Certified Information Security Manager (CISM) certification from ISACA, an international professional organization focused on IT governance, as well as a Certified Information Systems Security Professional (CISSP) certification from the International Information System Security Certification Consortium (ISG2), a leading member association for cybersecurity professionals.</div>Our Vice President of Cybersecurity & Information Technology Infrastructure, along with this individual's teams, are in charge of assessing and managing our risks related to cybersecurity, including by setting our strategy, policies, standards and processes in these areas, as further described above under "Risk Management & Strategy." Utilizing the processes noted above, these teams remain informed about and monitor the prevention, detection, mitigation and remediation of cybersecurity incidents.true<div style="margin-top:5pt;text-

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(the "Company" or "Motorola Solutions") and all controlled subsidiaries. All intercompany transactions and balances have been eliminated.</div><div style="margin-top:5pt;text-indent:22.5pt">The consolidated financial statements as of December 31, 2024 and 2023 and for the years ended December 31, 2024, 2023 and 2022, include, in the opinion of management, all adjustments (consisting of normal recurring adjustments and reclassifications) necessary to present fairly the Company's consolidated financial position, results of operations, statements of comprehensive income, and statements of stockholders' equity and cash flows for all periods presented.</div><div style="margin-top:5pt;text-indent:22.5pt">Use of Estimates: The preparation of financial statements in conformity with United States ("U.S.") Generally Accepted Accounting Principles ("GAAP") requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates.</div><div style="margin-top:5pt;text-indent:22.5pt">Revenue Recognition: Net sales consist of a wide range of goods and services including the delivery of products, systems and system integration as well as offering software and service solutions. The Company recognizes revenue to reflect the transfer of control of promised goods or services to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services.</div><div style="margin-top:5pt;text-indent:22.5pt">The Products and Systems Integration segment is comprised of devices, systems, and systems integration for our Land Mobile Radio Communication ("LMR" or "LMR Communications") and Video Security and Access Control ("Video") technologies. Direct customers of the Products and Systems Integration segment are typically government, public safety agencies, procuring at state, local, and federal levels as well as large commercial customers with secure mission-critical needs. Indirect customers are defined as customers purchasing professional and commercial radios and video security, which are primarily sold through the Company's reseller partners to an end-customer base, composed of various industries where private communications systems and video security are used to secure operations and enable a mobile workforce. Contracts with the Company's customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our government customers, funded through appropriations. The Company records consideration from shipping and handling on a gross basis within Net sales. In limited instances where the Company is not the principal in the arrangement, the Company will recognize revenue on a net basis.</div><div style="margin-top:5pt;text-indent:22.5pt">LMR and Video devices include two-way portable and vehicle-mounted radios, video cameras and accessories. Devices are considered capable of being distinct and distinct within the context of the Company's contracts. Revenue is recognized upon the transfer of control of the devices to the customer at a point in time, typically consistent with delivery under the applicable shipping terms. Devices are sold by both the direct sales force and through reseller partners. Revenue is generally recognized upon transfer of devices to reseller partners, rather than the end-customer, except for limited consignment arrangements. Provisions for returns and reseller discounts are made on a portfolio basis using historical data.</div><div style="margin-top:5pt;text-indent:22.5pt">The Products and Systems Integration segment includes both customized communications systems and video security solutions, including the integration of these networks with devices, software, and applications within both LMR and Video technologies. For systems contracts, revenue for the year ended December 31, 2024 was \$2.0 billion compared to \$1.9 billion for the year ended December 31, 2023 and \$1.8 billion for the year ended December 31, 2022. The communications systems include the aggregation of promises to the customer to provide i) a communications network core and central processing software, base stations, consoles, and repeaters or ii) a video security solution including video analytics, network video management hardware and software, and access control solutions. The individual promises within a communications network contract are not distinct in the context of the contract, as the Company provides a significant service of integrating and customizing the goods and services promised. The communications network represents a distinct performance obligation for which revenue is recognized over time, as the Company creates an asset with no alternative use and has an enforceable right to payment for work performed. The Company's revenue recognition over time is based on an input measure of costs incurred, which depicts the transfer of control to its customers under its contracts. Products and Systems Integration revenue for communications network systems is recognized over an average duration of approximately one to two years. Individual promises of the video security solution are capable of being distinct and distinct in the context of the contract. Video security solutions are traditionally sold through reseller partners, with contracts negotiated under fixed pricing. Revenue is recognized upon the transfer of control of the video solution to the reseller partners, typically upon shipment.</div><div style="margin-top:5pt;text-indent:22.5pt">The Software and Services segment provides solutions for government, public safety and commercial communications systems. Direct customers of the Software and Services segment are typically government, public safety and first-responder agencies and municipalities. Indirect customers are commercial customers who distribute our software solutions to a final end customer base. Contracts with our customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our direct customers, funded through government appropriations.</div><div style="margin-top:5pt;text-indent:22.5pt">Software offerings primarily include Command Center and Video software and services which can be delivered either as an "as-a-service", on-premise, or hybrid solution. Solutions delivered as-a-service consist of a range of promises including hosted software, technical support and the right to unspecified future software enhancements. Software is not distinct from the hosting service since the customer does not have the right to take possession of the software at any time during the term of the arrangement. Solutions delivered as-a-service are recognized over time on a straight-line basis as a series of distinct services.</div><div style="margin-top:5pt;text-indent:22.5pt">On-premise and hybrid offerings generally consist of multiple promises primarily including software licenses and post-contract customer support. The promises are generally each distinct and distinct within the context of the contract as the customer benefits from each promise individually without any significant integration or interrelationship between the promises. On-premise software revenue is generally recognized at the point in time when the customer can benefit from the software which generally aligns with the beginning of the license period. Revenue for post-contract customer support is recognized over time as the customer simultaneously receives and consumes the services on a straight-line basis. In certain situations when the software license is not distinct within the context of the contract, revenue for the software license is recognized over time following the transfer of control under the arrangement. For hybrid arrangements, the on-premise software, cloud-based software, and implementation services are a single performance obligation, where in over time revenue recognition begins at the point of service activation when the customer can access the system and begin beneficial use.</div><div style="margin-top:5pt;text-indent:22.5pt">Services include a continuum of service offerings beginning with repair, technical support and maintenance. More advanced offerings include: monitoring, software updates and cybersecurity services. Managed service offerings range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. Services are provided across all technologies and are both distinct and capable of being distinct in the context of the contract, representing a series of recurring services that the Company stands ready to perform over the contract term. Since services contracts typically allow for customers to terminate for convenience or for non-appropriations of fiscal funding, the contract term is generally considered to be limited to a monthly or annual basis, subject to customer renewal. While contracts with customers are typically fixed fee, certain managed services contracts may be subject to variable consideration related to the achievement of service level agreement performance measurements. The Company has not historically paid significant penalties under service level agreements, and accordingly, it does not constrain its

contract price. Certain contracts may also contain variable consideration driven by the number of users. Revenue is typically recognized on services over time as a series of services performed over the contract term on a straight-line basis.

The Company enters into arrangements which generally consist of multiple promises to our customers. The Company evaluates whether the promised goods and services are distinct or a series of distinct goods or services. Where contracts contain multiple performance obligations, the Company allocates the total estimated consideration to each performance obligation based on applying an estimated selling price ("ESP") as our best estimate of standalone selling price. We use list price as the standalone selling price for indirect sales sold through our channel partners. Given the unique nature of the goods and services we provide to direct customers, sufficient standalone sales of our products generally do not exist. Therefore, the Company determines ESP by: (i) collecting all reasonably available historical data points including sales, cost and margin analyses of the product or services, and other inputs based on its normal pricing and discounting practices, (ii) making any reasonably required adjustments to the data based on market and Company-specific factors, and (iii) stratifying the data points for similar customers and circumstances, when appropriate, based on major product or service, type of customer, geographic market, and sales volume.

The Company accounts for certain system contracts without an alternative use on an over time basis, electing an input method of estimated costs as a measure of performance completed. The selection of costs incurred as a measure of progress aligns the transfer of control to the overall production of the customized system.

For system contracts accounted for over time using estimated costs as a measure of performance completed, the Company relies on estimates around the total estimated costs to complete the contract ("Estimated Costs to Complete"). Estimated Costs to Complete include direct labor, material and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. The Company has a standard and disciplined process in which management reviews the progress and performance of open contracts in order to determine the best estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor cost, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. When estimates of total costs to be incurred on a contract exceed estimates of total revenue to be earned, a provision for the entire loss on the contract is recorded in the period in which the loss is determined.

Cash Equivalents: The Company considers all highly liquid investments purchased with an original maturity of three months or less to be cash equivalents. Restricted cash was \$3 million and \$2 million as of December 31, 2024 and December 31, 2023, respectively.

Investments: The Company generally invests in equity securities of a strategic nature.

The Company applies the equity method of accounting for equity investments if the Company has significant influence over the issuing entity. The Company's share of the investee's underlying net income or loss is recorded to Other, net within Other income (expense).

Equity securities with readily determinable fair values are carried at fair value with changes in fair value recorded in Other, net within Other income (expense). Equity securities without readily determinable fair values are carried at cost, less impairments, if any, and adjusted for observable price changes for the identical or a similar investment of the same issuer. The Company performs a qualitative impairment assessment to determine if such investments are impaired. The qualitative assessment considers all available information, including declines in the financial performance of the issuing entity, the issuing entity's operating environment, and general market conditions. Impairments of equity securities without readily determinable fair values are recorded to Other, net within Other income (expense).

Inventories: Inventories are valued at the lower of cost (which approximates cost on a first-in, first-out basis) and net realizable value.

Property, Plant and Equipment: Property, plant and equipment are stated at cost less accumulated depreciation. Depreciation is recorded on a straight-line basis, based on the estimated useful lives of the assets (leasehold improvements, one to twenty years; machinery and equipment, one to fifteen years) and commences once the assets are ready for their intended use. When certain events or changes in operating conditions occur, useful lives of the assets may be adjusted or an impairment assessment may be performed on the recoverability of the carrying value.

Goodwill and Intangible Assets: Goodwill is assessed for impairment at least annually at the reporting unit level, or more frequently if events or circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying value level. The Company performs its annual assessment of goodwill for impairment as of the last day of the third quarter of each fiscal year, typically through a qualitative assessment. Indicators of impairment include: (i) macroeconomic conditions, (ii) industry and market conditions, (iii) cost factors, including product and selling, general and administrative costs, (iv) overall financial performance of the Company, (v) changes in share price, and (vi) other relevant company-specific events. If it is determined that it is more likely than not that the fair value of the reporting unit is less than its carrying amount, the Company will perform a quantitative goodwill impairment test, which compares the fair value of the reporting unit to its carrying value. A quantitative assessment includes the assignment of assets and liabilities to each of the Company's reporting units and an assessment of the fair value of each of the Company's reporting units. The Company utilizes an income approach (discounted cash flows) to estimate the fair value of each reporting unit, which is corroborated by market multiples when available and as appropriate. Key assumptions in the quantitative analysis include revenue growth rates (including long-term growth rates for terminal value assumptions), operating margin estimates, discount rates, and where applicable, the comparable multiples from publicly traded companies in the Company's industry.

If the carrying amount of a reporting unit exceeds its fair value, the Company would recognize an impairment loss in an amount equal to that excess, limited to the total amount of goodwill allocated to that reporting unit.

Intangible assets are amortized on a straight-line basis over their respective estimated useful lives ranging from one to twenty years. The Company has no intangible assets with indefinite useful lives.

Leases: The Company leases certain office, factory and warehouse space, land and other equipment, principally under non-cancelable operating leases.

The Company determines if an arrangement is a lease at inception of the contract. The Company's key considerations in determining whether a contract is or contains a lease include establishing whether the supplier has the ability to use other assets to fulfill its service or whether the terms of the agreement enable the Company to control the use of a dedicated asset during the contract term. In the majority of the Company's contracts where it must identify whether a lease is present, it is readily determinable that the Company controls the use of the assets and obtains substantially all of the economic benefit during the term of the contract. In those contracts where identification is not readily determinable, the Company has determined that the supplier has either the ability to use another asset to provide the service or the terms of the contract give the supplier the right to operate the asset at its discretion during the term of the contract.

Right-of-use ("ROU") assets and operating lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at the commencement date. The Company's lease payments are typically fixed or contain fixed escalators. The Company has elected to not separate lease and non-lease components for all of its current lease categories and therefore, all consideration is included in lease payments. For the Company's leases consisting of land and other equipment (i.e., "communications network sites"), future payments are subject to variability due to changes in indices or rates. The Company values its ROU assets and lease liabilities based on the index or rate in effect at lease commencement. Future changes in the indices or rates are accounted for as variable lease costs. Other variable lease costs include items that are not fixed at lease commencement including property taxes, insurance, and operating charges that vary based on usage. ROU assets also include lease payments made in advance and are net of lease incentives.

As the majority of the Company's leases do not provide an implicit rate, the Company uses its incremental borrowing rates based on the information available at the commencement date in determining the present value of future payments. The Company's incremental borrowing rates are based on the term of the lease, the economic environment of the lease, and the effect of collateralization.

The Company's lease terms range from one to twenty-one years and may include options to extend the lease by one to ten years or terminate the lease after the initial non-cancelable term. The Company does not include options in the determination of the lease term for the majority of leases as sufficient economic factors do not exist that would compel it to continue to use the underlying asset beyond the initial non-cancelable term. However, for the Company's communications network site leases that are necessary to provide services to customers under managed service arrangements, the Company includes options in the lease term to the extent of the customer contracts to which those leases relate.

Impairment of Long-Lived Assets:

height:120%">Long-lived assets, which include intangible assets, held and used by the Company are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of assets may not be recoverable. The Company evaluates recoverability of assets to be held and used by comparing the carrying amount of an asset (group) to future net undiscounted cash flows to be generated by the asset (group). If an asset (group) is considered to be impaired, the impairment to be recognized is equal to the amount by which the carrying amount of the asset (group) exceeds the asset's (group's) fair value calculated using a discounted future cash flows analysis or market comparable analysis. Assets held for sale, if any, are reported at the lower of the carrying amount or fair value less cost to sell.</div><div style="margin-top:5pt;text-indent:22.5pt">Income Taxes:The Company records deferred income tax assets and liabilities based on the estimated future tax effects of differences between the financial and tax bases of assets and liabilities based on currently enacted tax laws. The Company's deferred and other tax balances are based on management's interpretation of the tax regulations and rulings in numerous tax jurisdictions. Income tax expenses and liabilities recognized by the Company also reflect its best estimates and assumptions regarding, among other things, the level of future taxable income, the effect of the Company's various tax planning strategies, and uncertain tax positions. Future tax authority rulings and changes in tax laws, changes in projected levels of taxable income, and future tax planning strategies could affect the actual effective tax rate and tax balances recorded by the Company.</div><div style="margin-top:5pt;text-indent:22.5pt">Long-Term Receivables:Long-term receivables include trade receivables where contractual terms of the note agreement are greater than one year. The Company estimates credit losses on accounts receivable based on historical losses and then takes into account estimates of current and future economic conditions. Long-term receivables are considered past due if payments have not been received according to the contractual terms of the note agreement, including principal and interest. Impaired long-term receivables are valued based on the present value of expected future cash flows discounted at the receivable's effective interest rate, or the fair value of the collateral if the receivable is collateral dependent. Interest income and late fees on impaired long-term receivables are recognized only when payments are received. Previously impaired long-term receivables are no longer considered impaired and are reclassified to performing when they have performed under restructuring for four consecutive quarters.</div><div style="margin-top:5pt;text-indent:22.5pt">Environmental Liabilities:The Company maintains a liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Comprehensive Environmental Response, Compensation and Liability Act (commonly known as the "Superfund Act") incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. When the timing and amount of the future cash payments are fixed or reliably determinable, the Company discounts the future cash flows used in estimating the accrual using a risk-free treasury rate. The current portion of the estimated environmental liability is included in the Accrued Liabilities statement line and the non-current portion is included in the Other Liabilities statement line within the Company's Consolidated Balance Sheet.</div><div style="margin-top:5pt;text-indent:22.5pt">Foreign Currency:Certain non-U.S. operations within the Company use their respective local currency as their functional currency. Those operations that do not have the U.S. dollar as their functional currency translate assets and liabilities at current rates of exchange in effect at the balance sheet date and revenues and expenses using rates that approximate those in effect during the period. The resulting translation adjustments are included as a component of Accumulated other comprehensive income (loss) in the Company's Consolidated Balance Sheet. For those operations that have transactions denominated in local currency which differs from functional currency, transactions denominated in the local currency are measured in their functional currency using the current rates of exchange for monetary assets and liabilities and historical rates of exchange for nonmonetary assets. Gains and losses from remeasurement of monetary assets and liabilities are included in Other within Other income (expense) within the Company's Consolidated Statements of Operations.</div><div style="margin-top:5pt;text-indent:22.5pt">The Company uses financial instruments to reduce its overall exposure to the effects of currency fluctuations on cash flows. The Company's policy prohibits speculation in financial instruments for profit on exchange rate fluctuations, trading in currencies for which there are no underlying exposures, or entering into transactions for any currency to intentionally increase the underlying exposure.</div><div style="margin-top:5pt;text-indent:22.5pt">The Company's strategy related to foreign exchange exposure management is to offset the gains or losses on the financial instruments against gains or losses on the underlying operational cash flows, net investments or monetary assets and liabilities based on the Company's assessment of risk. The Company enters into derivative contracts for some of its non-functional currency cash, receivables, and payables, which are primarily denominated in major currencies that can be traded on open markets. The Company typically uses forward contracts and options to hedge these currency exposures. In addition, the Company has entered into derivative contracts for some forecasted transactions or net investments in some of its overseas entities, which are designated as part of a hedging relationship if it is determined that the transaction qualifies for hedge accounting under the provisions of the authoritative accounting guidance for derivative instruments and hedging activities. A portion of the Company's exposure is from currencies that are not traded in liquid markets and these are addressed, to the extent reasonably possible, by managing net asset positions, product pricing and component sourcing.</div><div style="margin-top:5pt;text-indent:22.5pt">Derivative Instruments:For Foreign exchange contracts, not designated as hedging instruments, gains and losses are recorded immediately in Other income (expense) within the Consolidated Statements of Operations. For Equity swap contracts, which do not qualify for hedge accounting, gains and losses are recorded immediately in Selling, general and administrative expenses within the Consolidated Statements of Operations. Gains and losses pertaining to instruments designated as net investment hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income. Components excluded from the assessment of hedge ineffectiveness in net investment hedges are included in Accumulated other comprehensive income at their initial value and amortized into Interest expense, net on a straight-line basis. Gains and losses pertaining to instruments designated as cash flow hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income.</div><div style="margin-top:5pt;text-indent:22.5pt">Fair Value Measurements:The Company holds certain fixed income securities, equity securities and derivatives, which are recognized and disclosed at fair value in the financial statements. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants as of the measurement date and is measured using the fair value hierarchy. This hierarchy prescribes valuation techniques based on whether the inputs to each measurement are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the Company's assumptions about current market conditions. The prescribed fair value hierarchy and related valuation methodologies are as follows:</div><div style="margin-top:5pt;text-indent:22.5pt">Level 1 — Quoted prices for identical instruments in active markets.</div><div style="margin-top:5pt;padding-left:22.5pt">Level 2 — Quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-derived valuations, in which all significant inputs are observable, in active markets.</div><div style="margin-top:5pt;text-indent:22.5pt">Level 3 — Valuations derived from valuation techniques, in which one or more significant inputs are unobservable.</div><div style="margin-top:5pt;text-indent:22.5pt">Earnings Per Share:The Company calculates its basic earnings per share based on the weighted-average number of common shares issued and outstanding. Net earnings attributable to Motorola Solutions, Inc. is divided by the weighted average common shares outstanding during the period to arrive at the basic earnings per share. Diluted earnings per share is calculated by dividing net earnings attributable to Motorola Solutions, by the sum of the weighted-average number of common shares used in the basic earnings per share calculation and the weighted-average number of common shares that would be issued assuming exercise or conversion of all potentially dilutive securities, excluding those securities that would be anti-dilutive to the earnings per share calculation. Both basic and diluted earnings per share amounts are calculated for net earnings attributable to Motorola Solutions for all periods presented.</div><div style="margin-top:5pt;text-indent:22.5pt">Share-Based Compensation Costs:The Company grants share-based compensation awards and offers an employee stock purchase plan. The amount of compensation cost for these share-based awards is generally measured based on the fair value of the awards as of the date that the share-based awards are issued and adjusted to the estimated number of awards that are expected to vest. The fair values of stock options and stock appreciation rights are generally determined using a Black-Scholes option pricing model which incorporates assumptions about expected volatility, risk-free rate, dividend yield, and expected life. Performance-based stock options, performance stock units, and market stock units vest based on market conditions and are therefore measured under a Monte Carlo simulation in order to simulate a range of possible future unit prices for Motorola Solutions over the performance period. Compensation cost for share-based awards is recognized on a straight-line basis over the vesting period.</div><div style="margin-top:5pt;text-indent:22.5pt">Defined Benefit Plans:The Company records annual expenses relating to its defined benefit plans based on calculations which include various actuarial assumptions, including discount rates, assumed asset rates of return, compensation increases, and turnover rates. The Company reviews its actuarial assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends. Under relevant accounting rules, when almost all of the plan participants are considered inactive, the amortization period for certain unrecognized gains and losses changes from the average remaining service period to the average remaining lifetime of the participants. As such, depending on the specific plan, the Company amortizes gains and losses over periods ranging from eight to twenty-five years. Prior service costs will be amortized over periods ranging from one to fifteen years. Benefits under all pension plans are valued based on the projected unit credit cost method. The Company utilizes a five-year, market-related asset value method of recognizing asset related gains and losses.</div><div style="margin-top:5pt;text-indent:22.5pt"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-

height:120%">>The benefit obligation and plan assets for the Company's defined benefit plans are presented on a net basis according to the plans' net funded status and measured as of December 31, 2024.

Recent Acquisitions:

On October 29, 2024, the Company acquired 3te Software, a provider of control room software solutions for \$22 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of one year. The acquisition expands the Company's critical experience and innovation focused on advancing computer-aided dispatch ("CAD") for the U.K.'s public safety agencies. This business is part of the Software and Services segment.

On July 1, 2024, the Company acquired Noggin, a global provider of critical event management ("CEM") software for \$91 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$19 million to certain key employees that will be expensed over a service period of three years. This acquisition enhances the Company's portfolio by adding operational resilience and CEM capabilities, which help enterprises and critical infrastructure anticipate, prepare for and efficiently respond to incidents. The business is part of the Software and Services segment.

On July 1, 2024, the Company acquired a company that provides vehicle location and management solutions for \$132 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$3 million to certain key employees that will be expensed over a service period of three years. The acquisition expands the Company's video solutions within the Software and Services segment.

On February 13, 2024, the Company acquired Silent Sentinel, a provider of specialized, long-range cameras, for \$37 million, net of cash acquired. This acquisition complements the Company's portfolio of fixed video cameras, expanding its footprint with government and critical infrastructure customers and strengthens the Company's position as a global leader in end-to-end video security solutions. The business is part of the Products and Systems Integration segment.

On December 15, 2023, the Company acquired IPVideo, the creator of the HALO Smart Sensor, for \$170 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$5 million to certain key employees that will be expensed over a service period of one year. The HALO Smart Sensor is a multifunctional safety and security device with built-in vape detection and air quality monitoring, gunshot detection, abnormal noise and motion detection and emergency keyword detection. This acquisition adds sensor technology to the Company's physical security portfolio. The business is a part of the Products and Systems Integration segment.

On December 14, 2022, the Company acquired Rave Mobile, a leader in mass notification and incident management, for \$553 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$2 million to certain key employees that will be expensed over a service period of two years. This acquisition complements the Company's portfolio with a platform specifically designed to help organizations and public safety agencies communicate and collaborate during emergencies. The business is a part of the Software and Services segment.

On October 25, 2022, the Company acquired Futurecom, a leading provider of radio coverage extension solutions for public safety agencies, for \$30 million, net of cash acquired. Futurecom designs and manufactures radio frequency repeaters. This acquisition further expands the Company's communications network and device portfolios. The business is a part of the Products and Systems Integration segment.

On August 9, 2022, the Company acquired Barrett Communications, a global provider of specialized radio communications, for \$18 million, net of cash acquired. This acquisition complements the Company's existing radio portfolio, allowing the Company to use high frequency and very high frequency radio communications to support mission-critical operations. The business is a part of the Products and Systems Integration segment.

On May 12, 2022, the Company acquired Videotec, a global provider of ruggedized video security solutions, for \$23 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of one year. This acquisition extends the Company's breadth of high-performance video products, reinforcing the Company's strategy to be a global leader in video security solutions. The business is a part of the Products and Systems Integration segment.

On April 19, 2022, the Company acquired Calipsa, a technology leader in cloud-native advanced video analytics, for \$39 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of two years. This acquisition extends the Company's intelligent analytics across video security solutions and supports the accelerating trend of enterprises using cloud technologies to enhance safety and security. The business is a part of the Software and Services segment.

On March 23, 2022, the Company acquired TETRA Ireland, the provider of Ireland's National Digital Radio Service, for \$120 million, net of cash acquired. The Company was an initial shareholder of TETRA Ireland and acquired the remaining interest in the entity from the other shareholders. This acquisition expands the Company's portfolio of delivering mission-critical voice and data communications solutions to first responders and frontline workers. The business is part of the Software and Services segment.

On March 3, 2022, the Company acquired Ava, a global provider of cloud-native video security and analytics, for \$389 million, net of cash acquired. In addition, the Company issued restricted stock and restricted stock units at a fair value of \$7 million to certain key employees that will be expensed over an average service period of two years. This acquisition expands the Company's portfolio of intelligent video solutions that help to enhance safety and streamline operations. The business is a part of both the Products and Systems Integration segment and the Software and Services segment.

Recent Accounting Pronouncements:

In November 2024, the Financial Accounting Standards Board ("FASB") issued Accounting Standard Update ("ASU") No. 2024-03, "Disaggregation of Income Statement Expenses" (DISE), to enhance disclosures relating to key income statement expense topics. The ASU is effective for fiscal years beginning after December 15, 2026 and interim periods beginning in 2028, with early adoption permitted. The Company is still evaluating the complete impact of the adoption of this ASU on its disclosures.

In December 2023, the FASB issued ASU No. 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which expands disclosures in an entity's income tax rate reconciliation table and disclosures regarding cash taxes paid both in the U.S. and foreign jurisdictions. This ASU is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company anticipates that it will have additional disclosures regarding cash taxes and the income tax rate reconciliation once it adopts this ASU.

Recently Adopted Accounting Pronouncements:

In November 2023, the FASB issued ASU No. 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," to update reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The Company adopted ASU No. 2023-07 for the year ended December 31, 2024 and applied the required retrospective transition method. Refer to "Note 13: Information by Segment and Geographic Region" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplementary Data" of this Form 10-K for the related disclosures.

Principles of Consolidation

The consolidated financial statements include the accounts of Motorola Solutions, Inc. (the "Company" or "Motorola Solutions") and all controlled subsidiaries. All intercompany transactions and balances have been eliminated.

The consolidated financial statements as of December 31, 2024 and 2023 and for the years ended December 31, 2024, 2023 and 2022, include, in the opinion of management, all adjustments (consisting of normal recurring adjustments and reclassifications) necessary to present fairly the Company's consolidated financial position, results of operations, statements of comprehensive income, and statements of stockholders' equity and cash flows for all periods presented.

Use of Estimates:

The preparation of financial statements in conformity with United States ("U.S.") Generally Accepted Accounting Principles ("GAAP") requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates.

Revenue Recognition:

Net sales consist of a wide range of goods and services including the delivery of products, systems and system integration as well as offering software and service solutions. The Company recognizes revenue to reflect the transfer of control of promised goods or services to customers in an amount that reflects the consideration to which the Company expects to be entitled in exchange for goods or services.

The Products and Systems Integration segment is comprised of devices, systems, and systems integration for our Land Mobile Radio Communication ("LMR" or "LMR Communications") and Video Security and Access Control ("Video") technologies. Direct customers of the Products and Systems Integration segment are typically government, public safety agencies, procuring at state, local, and federal levels as well as large commercial customers with secure mission-critical needs. Indirect customers are defined as customers purchasing professional and commercial radios and video security, which are primarily sold through the Company's reseller partners to an end-customer base, composed of various industries where private communications systems and video security are used to secure operations and enable a mobile workforce. Contracts with the Company's customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our government customers, funded through appropriations. The Company records consideration from shipping and handling on a gross basis within Net sales. In limited instances where the Company is not the principal in the arrangement, the Company will recognize revenue on a net basis.

top:5pt;text-indent:22.5pt">LMR and Video devices include two-way portable and vehicle-mounted radios, video cameras and accessories. Devices are considered capable of being distinct and distinct within the context of the Company's contracts. Revenue is recognized upon the transfer of control of the devices to the customer at a point in time, typically consistent with delivery under the applicable shipping terms. Devices are sold by both the direct sales force and through reseller partners. Revenue is generally recognized upon transfer of devices to reseller partners, rather than the end-customer, except for limited consignment arrangements. Provisions for returns and reseller discounts are made on a portfolio basis using historical data.</div><div style="margin-top:5pt;text-indent:22.5pt">The Products and Systems Integration segment includes both customized communications systems and video security solutions, including the integration of these networks with devices, software, and applications within both LMR and Video technologies. For systems contracts, revenue for the year ended December 31, 2024 was \$2.0 billion compared to \$1.9 billion for the year ended December 31, 2023 and \$1.8 billion for the year ended December 31, 2022. The communications systems include the aggregation of promises to the customer to provide i) a communications network core and central processing software, base stations, consoles, and repeaters or ii) a video security solution including video analytics, network video management hardware and software, and access control solutions. The individual promises within a communications network contract are not distinct in the context of the contract, as the Company provides a significant service of integrating and customizing the goods and services promised. The communications network represents a distinct performance obligation for which revenue is recognized over time, as the Company creates an asset with no alternative use and has an enforceable right to payment for work performed. The Company's revenue recognition over time is based on an input measure of costs incurred, which depicts the transfer of control to its customers under its contracts. Products and Systems Integration revenue for communications network systems is recognized over an average duration of approximately one to two years. Individual promises of the video security solution are capable of being distinct and distinct in the context of the contract. Video security solutions are traditionally sold through reseller partners, with contracts negotiated under fixed pricing. Revenue is recognized upon the transfer of control of the video solution to the reseller partners, typically upon shipment.</div><div style="margin-top:5pt;text-indent:22.5pt">The Software and Services segment provides solutions for government, public safety and commercial communications systems. Direct customers of the Software and Services segment are typically government, public safety and first-responder agencies and municipalities. Indirect customers are commercial customers who distribute our software solutions to a final end customer base. Contracts with our customers are typically fixed fee, with consideration measured net of associated sales taxes, and, as it relates to our direct customers, funded through government appropriations.</div><div style="margin-top:5pt;text-indent:22.5pt">Software offerings primarily include Command Center and Video software and services which can be delivered either as an "as-a-service", on-premise, or hybrid solution. Solutions delivered as a service consist of a range of promises including hosted software, technical support and the right to unspecified future software enhancements. Software is not distinct from the hosting service since the customer does not have the right to take possession of the software at any time during the term of the arrangement. Solutions delivered as a service are recognized over time on a straight-line basis as a series of distinct services.</div><div style="margin-top:5pt;text-indent:22.5pt">On-premise and hybrid offerings generally consist of multiple promises primarily including software licenses and post-contract customer support. The promises are generally each distinct and distinct within the context of the contract as the customer benefits from each promise individually without any significant integration or interrelationship between the promises. On-premise software revenue is generally recognized at the point in time when the customer can benefit from the software which generally aligns with the beginning of the license period. Revenue for post-contract customer support is recognized over time as the customer simultaneously receives and consumes the services on a straight-line basis. In certain situations when the software license is not distinct within the context of the contract, revenue for the software license is recognized over time following the transfer of control under the arrangement. For hybrid arrangements, the on-premise software, cloud-based software, and implementation services are a single performance obligation, where in over time revenue recognition begins at the point of service activation when the customer can access the system and begin beneficial use.</div><div style="margin-top:5pt;text-indent:22.5pt">Services include a continuum of service offerings beginning with repair, technical support and maintenance. More advanced offerings include: monitoring, software updates and cybersecurity services. Managed service offerings range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. Services are provided across all technologies and are both distinct and capable of being distinct in the context of the contract, representing a series of recurring services that the Company stands ready to perform over the contract term. Since services contracts typically allow for customers to terminate for convenience or for non-appropriations of fiscal funding, the contract term is generally considered to be limited to a monthly or annual basis, subject to customer renewal. While contracts with customers are typically fixed fee, certain managed services contracts may be subject to variable consideration related to the achievement of service level agreement performance measurements. The Company has not historically paid significant penalties under service level agreements, and accordingly, it does not constrain its contract price. Certain contracts may also contain variable consideration driven by the number of users. Revenue is typically recognized on services over time as a series of services performed over the contract term on a straight-line basis.</div><div style="margin-top:5pt;text-indent:22.5pt">The Company enters into arrangements which generally consist of multiple promises to our customers. The Company evaluates whether the promised goods and services are distinct or a series of distinct goods or services. Where contracts contain multiple performance obligations, the Company allocates the total estimated consideration to each performance obligation based on applying an estimated selling price ("ESP") as our best estimate of standalone selling price. We use list price as the standalone selling price for indirect sales sold through our channel partners. Given the unique nature of the goods and services we provide to direct customers, sufficient standalone sales of our products generally do not exist. Therefore, the Company determines ESP by: (i) collecting all reasonably available historical data points including sales, cost and margin analyses of the product or services, and other inputs based on its normal pricing and discounting practices, (ii) making any reasonably required adjustments to the data based on market and Company-specific factors, and (iii) stratifying the data points for similar customers and circumstances, when appropriate, based on major product or service, type of customer, geographic market, and sales volume.</div><div style="margin-top:5pt;text-indent:22.5pt">The Company accounts for certain system contracts without an alternative use on an over time basis, electing an input method of estimated costs as a measure of performance completed. The selection of costs incurred as a measure of progress aligns the transfer of control to the overall production of the customized system.</div><div style="margin-top:5pt;text-indent:22.5pt">For system contracts accounted for over time using estimated costs as a measure of performance completed, the Company relies on estimates around the total estimated costs to complete the contract ("Estimated Costs to Complete"). Estimated Costs to Complete include direct labor, material and subcontracting costs. Due to the nature of the efforts required to be performed to meet the underlying performance obligation, determining Estimated Costs to Complete may be complex and subject to many variables. The Company has a standard and disciplined process in which management reviews the progress and performance of open contracts in order to determine the best estimate of Estimated Costs to Complete. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion, the project schedule, identified risks and opportunities, and the related changes in estimates of costs. The risks and opportunities include management's judgment about the ability and cost to achieve the project schedule, technical requirements, and other contract requirements. Management must make assumptions and estimates regarding labor cost, inclusive of subcontractors, and the cost of materials, among other variables. Based on this analysis, any adjustment to net sales, cost of sales, and the related impact to operating income are recorded as necessary in the period they become known. When estimates of total costs to be incurred on a contract exceed estimates of total revenue to be earned, a provision for the entire loss on the contract is recorded in the period in which the loss is determined.200000000019000000001800000000P2YCash Equivalents:The Company considers all highly-liquid investments purchased with an original maturity of three months or less to be cash equivalents.30000002000000<div style="margin-top:5pt;text-indent:22.5pt">Investments:The Company generally invests in equity securities of a strategic nature.</div><div style="margin-top:5pt;text-indent:22.5pt">The Company applies the equity method of accounting for equity investments if the Company has significant influence over the issuing entity. The Company's share of the investee's underlying net income or loss is recorded to Other, net within Other income (expense).</div><div style="margin-top:5pt;text-indent:22.5pt">Equity securities with readily determinable fair values are carried at fair value with changes in fair value recorded in Other, net within Other income (expense). Equity securities without readily determinable fair values are carried at cost, less impairments, if any, and adjusted for observable price changes for the identical or a similar investment of the same issuer. The Company performs a qualitative impairment assessment to determine if such investments are impaired. The qualitative assessment considers all available information, including declines in the financial performance of the issuing entity, the issuing entity's operating environment, and general market conditions. Impairments of equity securities without readily determinable fair values are recorded to Other, net within Other income (expense).</div><div style="margin-top:5pt;text-indent:22.5pt">Inventories:Inventories are valued at the lower of cost (which approximates cost on a first-in, first-out basis) and net realizable value.</div><div style="margin-top:5pt;text-indent:22.5pt">Property, Plant and Equipment:Property, plant and equipment are stated at cost less accumulated depreciation. Depreciation is recorded on a straight-line basis, based on the estimated useful lives of the assets (leasehold improvements, one to twenty years; machinery and equipment, one to fifteen years) and commences once the assets are ready for their intended use. When certain events or changes in operating conditions occur, useful lives of the assets may be adjusted or an impairment assessment may be performed on the recoverability of the carrying value.</div><div style="margin-top:5pt;text-indent:22.5pt">Goodwill and Intangible Assets:Goodwill is assessed for impairment at least annually at the reporting unit level, or more frequently if events or circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying value level. The Company performs its annual assessment of goodwill for impairment as of the last day of the third quarter of each fiscal year, typically through a qualitative assessment. Indicators of impairment include: (i) macroeconomic conditions, (ii) industry and market conditions, (iii) cost

factors, including product and selling, general and administrative costs, (iv) overall financial performance of the Company, (v) changes in share price, and (vi) other relevant company-specific events. If it is determined that it is more likely than not that the fair value of the reporting unit is less than its carrying amount, the Company will perform a quantitative goodwill impairment test, which compares the fair value of the reporting unit to its carrying value. A quantitative assessment includes the assignment of assets and liabilities to each of the Company's reporting units and an assessment of the fair value of each of the Company's reporting units. The Company utilizes an income approach (discounted cash flows) to estimate the fair value of each reporting unit, which is corroborated by market multiples when available and as appropriate. Key assumptions in the quantitative analysis include revenue growth rates (including long-term growth rates for terminal value assumptions), operating margin estimates, discount rates, and where applicable, the comparable multiples from publicly traded companies in the Company's industry.

If the carrying amount of a reporting unit exceeds its fair value, the Company would recognize an impairment loss in an amount equal to that excess, limited to the total amount of goodwill allocated to that reporting unit.

Intangible assets are amortized on a straight line basis over their respective estimated useful lives ranging from one to twenty years. The Company has no intangible assets with indefinite useful lives.

Leases: The Company leases certain office, factory and warehouse space, land and other equipment, principally under non-cancelable operating leases.

The Company determines if an arrangement is a lease at inception of the contract. The Company's key considerations in determining whether a contract is or contains a lease include establishing whether the supplier has the ability to use other assets to fulfill its service or whether the terms of the agreement enable the Company to control the use of a dedicated asset during the contract term. In the majority of the Company's contracts where it must identify whether a lease is present, it is readily determinable that the Company controls the use of the assets and obtains substantially all of the economic benefit during the term of the contract. In those contracts where identification is not readily determinable, the Company has determined that the supplier has either the ability to use another asset to provide the service or the terms of the contract give the supplier the right to operate the asset at its discretion during the term of the contract.

Right-of-use ("ROU") assets and operating lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at the commencement date. The Company's lease payments are typically fixed or contain fixed escalators. The Company has elected to not separate lease and non-lease components for all of its current lease categories and therefore, all consideration is included in lease payments. For the Company's leases consisting of land and other equipment (i.e., "communications network sites"), future payments are subject to variability due to changes in indices or rates. The Company values its ROU assets and lease liabilities based on the index or rate in effect at lease commencement. Future changes in the indices or rates are accounted for as variable lease costs. Other variable lease costs include items that are not fixed at lease commencement including property taxes, insurance, and operating charges that vary based on usage. ROU assets also include lease payments made in advance and are net of lease incentives.

As the majority of the Company's leases do not provide an implicit rate, the Company uses its incremental borrowing rates based on the information available at the commencement date in determining the present value of future payments. The Company's incremental borrowing rates are based on the term of the lease, the economic environment of the lease, and the effect of collateralization.

The Company's lease terms range from one to twenty-one years and may include options to extend the lease by one to ten years or terminate the lease after the initial non-cancelable term. The Company does not include options in the determination of the lease term for the majority of leases as sufficient economic factors do not exist that would compel it to continue to use the underlying asset beyond the initial non-cancelable term. However, for the Company's communications network site leases that are necessary to provide services to customers under managed service arrangements, the Company includes options in the lease term to the extent of the customer contracts to which those leases relate.

Impairment of Long-Lived Assets: Long-lived assets, which include intangible assets, held and used by the Company are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of assets may not be recoverable. The Company evaluates recoverability of assets to be held and used by comparing the carrying amount of an asset (group) to future net undiscounted cash flows to be generated by the asset (group). If an asset (group) is considered to be impaired, the impairment to be recognized is equal to the amount by which the carrying amount of the asset (group) exceeds the asset's (group's) fair value calculated using a discounted future cash flows analysis or market comparable analysis. Assets held for sale, if any, are reported at the lower of the carrying amount or fair value less cost to sell.

Income Taxes: The Company records deferred income tax assets and liabilities based on the estimated future tax effects of differences between the financial and tax bases of assets and liabilities based on currently enacted tax laws. The Company's deferred and other tax balances are based on management's interpretation of the tax regulations and rulings in numerous tax jurisdictions. Income tax expenses and liabilities recognized by the Company also reflect its best estimates and assumptions regarding, among other things, the level of future taxable income, the effect of the Company's various tax planning strategies, and uncertain tax positions. Future tax authority rulings and changes in tax laws, changes in projected levels of taxable income, and future tax planning strategies could affect the actual effective tax rate and tax balances recorded by the Company.

Long-Term Receivables: Long-term receivables include trade receivables where contractual terms of the note agreement are greater than one year. The Company estimates credit losses on accounts receivable based on historical losses and then takes into account estimates of current and future economic conditions. Long-term receivables are considered past due if payments have not been received according to the contractual terms of the note agreement, including principal and interest. Impaired long-term receivables are valued based on the present value of expected future cash flows discounted at the receivable's effective interest rate, or the fair value of the collateral if the receivable is collateral dependent. Interest income and late fees on impaired long-term receivables are recognized only when payments are received. Previously impaired long-term receivables are no longer considered impaired and are reclassified to performing when they have performed under restructuring for four consecutive quarters.

Environmental Liabilities: The Company maintains a liability related to ongoing remediation efforts of environmental media such as groundwater, soil, and soil vapor, as well as related legal fees for a designated Superfund site under the Comprehensive Environmental Response, Compensation and Liability Act (commonly known as the "Superfund Act") incurred by a legacy business. It is the Company's policy to re-evaluate the reserve when certain events become known that will impact the future cash payments. When the timing and amount of the future cash payments are fixed or reliably determinable, the Company discounts the future cash flows used in estimating the accrual using a risk-free treasury rate. The current portion of the estimated environmental liability is included in the Accrued liabilities statement line and the non-current portion is included in the Other liabilities statement line within the Company's Consolidated Balance Sheet.

Foreign Currency: Certain non-U.S. operations within the Company use their respective local currency as their functional currency. Those operations that do not have the U.S. dollar as their functional currency translate assets and liabilities at current rates of exchange in effect at the balance sheet date and revenues and expenses using rates that approximate those in effect during the period. The resulting translation adjustments are included as a component of Accumulated other comprehensive income (loss) in the Company's Consolidated Balance Sheet. For those operations that have transactions denominated in local currency which differs from functional currency, transactions denominated in the local currency are measured in their functional currency using the current rates of exchange for monetary assets and liabilities and historical rates of exchange for nonmonetary assets. Gains and losses from remeasurement of monetary assets and liabilities are included in Other within Other income (expense) within the Company's Consolidated Statements of Operations.

The Company uses financial instruments to reduce its overall exposure to the effects of currency fluctuations on cash flows. The Company's policy prohibits speculation in financial instruments for profit on exchange rate fluctuations, trading in currencies for which there are no underlying exposures, or entering into transactions for any currency to intentionally increase the underlying exposure.

Derivative Instruments: For Foreign exchange contracts, not designated as hedging instruments, gains and losses are recorded immediately in Other income (expense) within the Consolidated Statements of Operations. For Equity swap contracts, which do not qualify for hedge accounting, gains and losses are recorded immediately in Selling, general and administrative expenses within the Consolidated Statements of Operations. Gains and losses pertaining to instruments designated as net investment hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income. Components excluded from the assessment of hedge ineffectiveness in net investment hedges are included in Accumulated other comprehensive income at their initial

value and amortized into Interest expense, net on a straight-line basis. Gains and losses pertaining to instruments designated as cash flow hedges that qualify for hedge accounting are recognized as a component of Accumulated other comprehensive income.

Fair Value Measurements:

The Company holds certain fixed income securities, equity securities and derivatives, which are recognized and disclosed at fair value in the financial statements. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants as of the measurement date and is measured using the fair value hierarchy. This hierarchy prescribes valuation techniques based on whether the inputs to each measurement are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the Company's assumptions about current market conditions. The prescribed fair value hierarchy and related valuation methodologies are as follows:

Level 1 — Quoted prices for identical instruments in active markets.

Level 2 — Quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-derived valuations, in which all significant inputs are observable, in active markets.

Level 3 — Valuations derived from valuation techniques, in which one or more significant inputs are unobservable.

Earnings Per Share:

The Company calculates its basic earnings per share based on the weighted-average number of common shares issued and outstanding. Net earnings attributable to Motorola Solutions, Inc. is divided by the weighted average common shares outstanding during the period to arrive at the basic earnings per share. Diluted earnings per share is calculated by dividing net earnings attributable to Motorola Solutions, by the sum of the weighted-average number of common shares used in the basic earnings per share calculation and the weighted-average number of common shares that would be issued assuming exercise or conversion of all potentially dilutive securities, excluding those securities that would be anti-dilutive to the earnings per share calculation. Both basic and diluted earnings per share amounts are calculated for net earnings attributable to Motorola Solutions for all periods presented.

Share-Based Compensation Costs:

The Company grants share-based compensation awards and offers an employee stock purchase plan. The amount of compensation cost for these share-based awards is generally measured based on the fair value of the awards as of the date that the share-based awards are issued and adjusted to the estimated number of awards that are expected to vest. The fair values of stock options and stock appreciation rights are generally determined using a Black-Scholes option pricing model which incorporates assumptions about expected volatility, risk-free rate, dividend yield, and expected life. Performance-based stock options, performance stock units, and market stock units vest based on market conditions and are therefore measured under a Monte Carlo simulation in order to simulate a range of possible future unit prices for Motorola Solutions over the performance period. Compensation cost for share-based awards is recognized on a straight-line basis over the vesting period.

Defined Benefit Plans:

The Company records annual expenses relating to its defined benefit plans based on calculations which include various actuarial assumptions, including discount rates, assumed asset rates of return, compensation increases, and turnover rates. The Company reviews its actuarial assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends. Under relevant accounting rules, when almost all of the plan participants are considered inactive, the amortization period for certain unrecognized gains and losses changes from the average remaining service period to the average remaining lifetime of the participants. As such, depending on the specific plan, the Company amortizes gains and losses over periods ranging from eight to twenty-five years. Prior service costs will be amortized over periods ranging from one to fifteen years. Benefits under all pension plans are valued based on the projected unit credit cost method. The Company utilizes a five-year, market-related asset value method of recognizing asset related gains and losses.

The benefit obligation and plan assets for the Company's defined benefit plans are presented on a net basis according to the plans' net funded status and measured as of December 31, 2024.

Recent Accounting Pronouncements:

In November 2024, the Financial Accounting Standards Board ("FASB") issued Accounting Standard Update ("ASU") No. 2024-03, "Disaggregation of Income Statement Expenses" (DISE), to enhance disclosures relating to key income statement expense topics. The ASU is effective for fiscal years beginning after December 15, 2026 and interim periods beginning in 2028, with early adoption permitted. The Company is still evaluating the complete impact of the adoption of this ASU on its disclosures.

In December 2023, the FASB issued ASU No. 2023-09, "Income Taxes (Topic 740): Improvements to Income Tax Disclosures," which expands disclosures in an entity's income tax rate reconciliation table and disclosures regarding cash taxes paid both in the U.S. and foreign jurisdictions. This ASU is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company anticipates that it will have additional disclosures regarding cash taxes and the income tax rate reconciliation once it adopts this ASU.

Recently Adopted Accounting Pronouncements:

In November 2023, the FASB issued ASU No. 2023-07, "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures," to update reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses and information used to assess segment performance. The Company adopted ASU No. 2023-07 for the year ended December 31, 2024 and applied the required retrospective transition method. Refer to "Note 13: Information by Segment and Geographic Region" to our consolidated financial statements in this "Part II. Item 8. Financial Statements and Supplemental Data" of this Form 10-K for the related disclosures.

Revenue from Contracts with Customers

Disaggregation of Revenue

The following table summarizes the disaggregation of our revenue by segment, geography, major product and service type and customer type for the years ended December 31, 2024, 2023 and 2022, consistent with the information reviewed by our chief operating decision maker, the chief executive officer, for evaluating the financial performance of reportable segments:

	2024	2023	2022
Revenue	\$14,589.0	\$14,589.0	\$14,589.0
Operating expenses	\$9,017.0	\$9,017.0	\$9,017.0
Operating income	\$5,572.0	\$5,572.0	\$5,572.0
Non-operating income (expense)	\$0.0	\$0.0	\$0.0
Income before income taxes	\$5,572.0	\$5,572.0	\$5,572.0
Income tax expense	\$826.0	\$826.0	\$826.0
Net income	\$4,746.0	\$4,746.0	\$4,746.0
Weighted average common shares outstanding	100,000,000	100,000,000	100,000,000
Earnings per share	\$4.75	\$4.75	\$4.75

Products and Systems Integration

Software and Services

Total

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#000000;padding:2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-bottom:3pt double #000000;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div><div style="margin-top:3pt">Remaining Performance Obligations </div><div style="margin-top:5pt;text-indent:22.5pt">Remaining performance obligations represent the revenue that is expected to be recognized in future periods related to performance obligations that are unsatisfied, or partially unsatisfied, as of the end of a period. The transaction value associated with remaining performance obligations which were not yet satisfied as of December 31, 2024 was \$9.4 billion. A total of \$4.1 billion was from Products and Systems Integration performance obligations that were not yet satisfied, of which \$2.3 billion is expected to be recognized in the next twelve months. The remaining amounts will generally be satisfied over time as systems are implemented. Remaining performance obligations from the Products and Systems Integration segment are equal to disclosed backlog for the segment. A total of \$5.3 billion was from Software and Services performance obligations that were not yet satisfied as of December 31, 2024. The determination of Software and Services performance obligations that are not satisfied </div><div style="margin-top:5pt">takes into account a contract term that may be limited by the customer's ability to terminate for convenience. Where termination for convenience exists in the Company's services contracts, its disclosure of the remaining performance obligations that are unsatisfied assumes the contract term is limited until renewal. As a result, remaining performance obligations from the Software and Services segment may be less than disclosed backlog in the Software and Services segment due to multi-year service contracts with termination for convenience clauses. The Company expects to recognize \$1.8 billion from unsatisfied Software and Services performance obligations over the next twelve months, with the remaining performance obligations to be recognized over time as services are performed and software is implemented. </div><div style="margin-top:5pt;text-indent:22.5pt">In 2023, the Competition and Markets Authority (the "CMA") imposed a legal order on Airwave which implemented a prospective price control on Airwave (the "Charge Control"). Our remaining performance obligations for Airwave services contracted with the Home Office of the United Kingdom (the "Home Office") through December 31, 2026 was reduced by \$777 million and since August 1, 2023 our revenue under the Airwave contract has been recognized in accordance with the Charge Control. On March 13, 2024, the Company received notice of the contract extension (the "Deferred National Shutdown Notice") from the Home Office, recording additional remaining performance obligations of \$748 million in the Software and Services segment to reflect the incremental three years of services.</div><div style="margin-top:3pt">Contract Balances</div><div style="margin-top:5pt;text-align:center"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;width:100.000%"><tr><td style="width:1.0%"></td><td style="width:16.268%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.005%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.530%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.005%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.384%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:16.008%"></td><td style="width:0.1%"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">December 31 (in millions)</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="display:none"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Accounts receivable, net</td><td colspan="3" style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom">\$</td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 0;text-align:right;vertical-align:bottom">1,952</td><td colspan="3" style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:left;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td style="background-color:#ceefff;border-top:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size

experts, at contract inception, that the period between the transfer of a promised good or service and related payment terms are less than a year.

Revenue recognized during the years ended December 31, 2024 and 2023 which was previously included in Contract liabilities as of January 1, 2024 and 2023, respectively, was \$1.3 billion, compared to \$1.1 billion of revenue recognized during the year ended December 31, 2022 which was previously included in Contract liabilities as of January 1, 2022. Revenue of \$28 million was reversed during the year ended December 31, 2024 related to performance obligations satisfied, or partially satisfied, in previous periods, primarily driven by changes in the estimates of progress on system contracts, compared to \$37 million during the year ended December 31, 2023 and \$26 million during the year ended December 31, 2022.

	2024	2023	2022
Contract Cost Balances			
Current contract cost assets	61	61	61
Non-current contract cost assets	141	141	141
Total	202	202	202

December 31 (in millions)

	2024	2023	2022
Contract Cost Balances			
Current contract cost assets	61	61	61
Non-current contract cost assets	141	141	141
Total	202	202	202

2023

	2023	2022
Contract Cost Balances		
Current contract cost assets	61	61
Non-current contract cost assets	141	141
Total	202	202

2022

	2022
Contract Cost Balances	
Current contract cost assets	61
Non-current contract cost assets	141
Total	202

(in millions)

	2024	2023	2022
Contract Cost Balances			
Current contract cost assets	61	61	61
Non-current contract cost assets	141	141	141
Total	202	202	202

Products and Systems Integration

	2024	2023	2022
Contract Cost Balances			
Current contract cost assets	61	61	61
Non-current contract cost assets	141	141	141
Total	202	202	202

Software and Services

	2024	2023	2022
Contract Cost Balances			
Current contract cost assets	61	61	61
Non-current contract cost assets	141	141	141
Total	202	202	202

Total

	2024	2023	2022
Contract Cost Balances			
Current contract cost assets	61	61	61
Non-current contract cost assets	141	141	141
Total	202	202	202

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December 31, 2023

December 31, 2023	December 31, 2024
Weighted average remaining lease terms (years)	5.4
Weighted average discount rate	3.97%
December 31, 2023 (in millions)	109
December 31, 2024 (in millions)	83
Total lease payments	554
Less: Interest	613
Leases	59
Present value of operating lease liabilities	554

The Company leases certain office, factory and warehouse space, land and other equipment under various operating leases. Components of Lease Expense

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In 2024, the Company repurchased the \$1.0 billion aggregate principal amount of the Silver Lake Convertible Debt for aggregate consideration of \$1.59 billion in cash, inclusive of the conversion premium. The repurchase of the Silver Lake Convertible Debt was accounted for as an extinguishment of debt, as the repurchase was negotiated under economically favorable terms outside of the original contractual conversion rate. A loss on the extinguishment of \$585 million was recorded, representing the excess amounts repurchased over the carrying value of debt of \$593 million, offset by accrued interest of \$8 million. The loss on the extinguishment of debt was recorded within Other Income (Expense) in the Consolidated Statements of Operations during the year ended December 31, 2024.</div><div style="margin-bottom:5pt;margin-top:5pt;text-indent:22.5pt"></div><div style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:120%">On March 25, 2024, the Company issued \$400 million of 5.0% senior notes due 2029 and \$900 million of 5.4% senior notes due 2034. The Company recognized net proceeds of \$1.3 billion after debt issuance costs and discounts. A portion of proceeds from the issuance of these notes was used to repurchase the \$1.0 billion aggregate principal amount of the Silver Lake Convertible Debt in 2024.</div><div style="margin-top:5pt;text-indent:22.5pt"></div><div style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:120%">The Company has an unsecured commercial paper program, backed by the 2021 Motorola Solutions Credit Agreement (defined below), under which the Company may issue unsecured commercial paper notes up to a maximum aggregate principal amount of \$2.2 billion outstanding at any one time. Proceeds from the issuances of the commercial paper notes are expected to be used for general corporate purposes. The notes are issued at a zero-coupon rate and are issued at a discount which reflects the interest component. At maturity, the notes are paid back in full including the interest component. The notes are not redeemable prior to maturity. As of December 31, 2024 the Company had no outstanding debt under the commercial paper program.</div><div style="margin-top:5pt;text-indent:22.5pt"></div><div style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:120%">Aggregate requirements for long-term debt maturities during the next five years are as follows: \$322 million in 2025, no maturities in 2026 or 2027, \$724 million in 2028 and \$1.2 billion in 2029.</div><div style="margin-top:5pt"></div><div style="color:#006ebf;font-family:'Arial',sans-serif;font-size:10pt;font-style:italic;font-weight:700;line-height:120%">Credit Facilities</div><div style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:120%">As of December 31, 2024, the company had a \$2.25 billion syndicated, unsecured revolving credit facility scheduled to mature in March 2026 (the "2021 Motorola Solutions Credit Agreement"). The 2021 Motorola Solutions Credit Agreement includes a letter of credit sub-limit and fronting commitments of \$450 million.</div><div style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:700;line-height:120%"></div><div style="margin-top:3pt"></div><div style="color:#006ebf;font-family:'Arial',sans-serif;font-size:10pt;font-style:italic;font-weight:700;line-height:120%">Long-Term Debt</div><div style="margin-top:5pt"></div><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:bottom;width:99.83%"><tr><td style="width:1.0%"></td><td style="width:72.692%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.637%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.332%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:1.0%"></td><td style="width:1.639%"></td><td style="width:0.1%"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-style:italic;font-weight:400;line-height:100%">December 31</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:700;line-height:100%">2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"></td><td colspan="3" style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:100%"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 1pt 2px 0;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#000000;padding:2px 0 2px 1pt;text-align


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Other income (expense)

The Company uses foreign exchange forward contracts to hedge against the effect of the British pound and the Euro exchange rate fluctuations against the U.S. dollar on a portion of its net investment in certain European operations. The Company recognizes changes in the fair value of the net investment hedges as a component of foreign currency translation adjustments within Other comprehensive income to offset a portion of the change in translated value of the net investments being hedged, until the investments are sold or liquidated. As of December 31, 2024, the Company had €100 million of net investment hedges in certain Euro functional subsidiaries and £50 million of net investment hedges in certain British pound functional subsidiaries.

The Company excludes the difference between the spot rate and the forward rate of the forward contract from its assessment of hedge effectiveness. The effect of the forward points recognized is amortized on a straight line basis and recognized through interest expense within Other income (expense) in the Consolidated Statement of Operations.

Equity Swap Contracts

The Company uses equity swap contracts which serve as economic hedges against volatility within the equity markets, impacting the Company's deferred compensation plan obligations. These contracts are not designated as hedges for accounting purposes. Unrealized gains and losses on these contracts are included in Selling, general and administrative expenses in the Consolidated Statements of Operations. The notional amount of these contracts as of December 31, 2024 was \$19 million.

Treasury Rate Lock Agreements

In 2023, the Company entered into treasury rate lock agreements which locked in the interest rate for \$200 million in future debt issuances. The treasury rate lock agreements were designated and qualified as cash flow hedges. During the year ended December 31, 2024, the Company issued \$900 million of 5.4% senior notes due 2034 (the "2034 notes"). The treasury rate lock agreements were terminated upon the issuance of the 2034 notes for a net settlement loss of \$8 million. The accumulated loss recorded in Accumulated Other Comprehensive Income (AOCI) will be reclassified to Interest expense, net on a straight-line basis over the 10-year term of the 2034 notes.

Position	Notional Amount (\$ millions)
Australian dollar	\$96.51
Euro	\$13.58
British pound	\$0.13
Canadian dollar	\$0.13
Total	\$110.35

The following table shows the Company's five largest net notional amounts of the positions to buy or sell foreign currency as of December 31, 2024 and the corresponding positions as of December 31, 2023:

Position	December 31, 2024 (\$ millions)	December 31, 2023 (\$ millions)
Australian dollar	\$96.51	\$96.51
Euro	\$13.58	\$13.58
British pound	\$0.13	\$0.13
Canadian dollar	\$0.13	\$0.13
Total	\$110.35	\$110.35

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%</td></tr></table></div><div
style="margin-top:5pt;text-indent:22.5pt">The
effective tax rate for 2024 was below the current U.S. federal statutory rate of 21% primarily due to the tax benefit recognized upon the Company's decision
to implement a business initiative in 2024 which allows for additional utilization of foreign tax credit carryforwards and a higher federal derived intangible
income deduction on its 2023 U.S. tax return, the recognition of excess tax benefits on share-based compensation, the 2024 estimated foreign derived
intangible income deduction, and generation of research and development credits, partially offset by the non-tax deductible loss on the extinguishment of
the Silver Lake Convertible Debt and 2024 estimated U.S. state income taxes.</div><div style="margin-top:5pt;text-indent:22.5pt"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:120%">In 2021, the Organization of Economic Cooperation and
Development ("OECD") introduced its Pillar Two Framework Model Rules ("Pillar 2"), that was supported by over 130 countries worldwide, which is
designed to impose a 15% global minimum tax on adjusted financial results. Certain aspects of Pillar 2 took effect on January 1, 2024, while other aspects go
into effect on January 1, 2025. The Company continues to evaluate the potential impact of Pillar 2 on its business, as the countries in which it operates
continue to enact legislation implementing Pillar 2. While many aspects of the application of Pillar 2 continue to be clarified, Pillar 2 did not materially
impact the Company's 2024 tax liability, and is not expected to have a material impact in future years.</div><div style="margin-top:5pt;text-
indent:22.5pt">Deferred tax balances that were
recorded within Accumulated other comprehensive loss in the Company's Consolidated Balance Sheet, rather than Income tax expense, are the result of
retirement benefit adjustments and currency translation adjustments. The adjustments were charges of \$16 million for the year ended December 31, 2024,
benefits of \$14 million for the year ended December 31, 2023, and charges of \$2 million for the year ended December 31, 2022.</div><div
style="margin-top:5pt;text-indent:22.5pt">The
Company evaluates its permanent reinvestment assertions with respect to foreign earnings at each reporting period and generally, except for certain
earnings that the Company intends to reinvest indefinitely due to the capital requirements of the foreign subsidiaries or due to local country restrictions,
accrues for the U.S. federal and foreign income tax applicable to the earnings. As a result of the 2017 U.S. Tax Cuts and Jobs Act ("the Tax Act"), dividends
from foreign subsidiaries are now exempt or the earnings have been previously subject to U.S. tax. As a result, the tax accrual for undistributed foreign
earnings is limited primarily to foreign withholding taxes and tax on inherent capital gains that would result from distribution of foreign earnings which
are not permanently reinvested, and such earnings may be distributed without an additional charge.</div><div style="margin-top:5pt;text-
indent:22.5pt">Undistributed foreign earnings
that the Company intends to reinvest indefinitely amounted to, in the aggregate, \$2.0 billion at December 31, 2024. It is impracticable to determine the
exact amount of unrecognized deferred tax liabilities on such earnings; however, due to the above mentioned changes made under the Tax Act, the
Company believes that the additional U.S. or foreign income tax charge with respect to such earnings, if distributed, would be immaterial.</div>
<div style="margin-top:5pt;text-indent:22.5pt"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-
height:120%">Gross deferred tax assets were \$2.4 billion and \$2.1 billion for December 31, 2024 and December 31, 2023, respectively. Deferred tax assets,
net of valuation allowances, were \$2.4 billion and \$2.0 billion at December 31, 2024 and December 31, 2023, respectively. Gross deferred tax liabilities
were \$1.2 billion and \$1.0 billion at December 31, 2024 and December 31, 2023, respectively.</div><div style="margin-top:5pt;text-
indent:22.5pt">Significant components of
deferred tax assets (liabilities) are as follows:</div><div style="margin-top:5pt"><table style="border-collapse:collapse;display:inline-
table;margin-bottom:5pt;vertical-align:top;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:72.692%"></td><td
style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.637%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td
style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.639%"></td><td style="width:0.1%"></td>
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size:9pt;font-style:italic;font-weight:400;line-height:100%">December 31</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-
align:bottom">2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:100%">2023</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:100%">2023</td></tr><tr><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom"><span
style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400;line-height:100%">Inventory</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">30</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom"><span style="color:#000000;font-family:'Arial',sans-serif;font-size:9pt;font-weight:400

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400;line-height:100%">2027</td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">206</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">57</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="2" style="background-color:#e6e6ff;padding:0 1pt"></td><td colspan="2" style="background-color:#e6e6ff;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="2" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">2028</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">13</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">58</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="2" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">12</td><td style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="2" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">2029</td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">241</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="padding:0 1pt"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">59</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="2" style="padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">11</td><td style="background-color:#e6e6ff;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr><tr><td colspan="2" style="padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom">2030-2034</td><td colspan="2" style="border-bottom:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">1,365</td><td style="border-bottom:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="2" style="border-bottom:1pt solid #000000;padding:0 1pt"></td><td colspan="2" style="border-bottom:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">306</td><td style="border-bottom:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="2" style="border-bottom:1pt solid #000000;padding:0 1pt"></td><td colspan="2" style="border-bottom:1pt solid #000000;padding:2px 0 2px 1pt;text-align:right;vertical-align:bottom">41</td><td style="border-bottom:1pt solid #000000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td></tr></table></div>1720000005400000014000000189000000550000001400000020600000057000000130000002240000005800000012000000241000000590000001100</div><div style="margin-top:5pt;text-indent:22.5pt">The Company grants options and stock appreciation rights to acquire shares of common stock to certain employees and to existing option holders of acquired companies in connection with the merging of option plans following an acquisition. Each option and stock appreciation right granted has an exercise price of no less than 100% of the fair market value of the common stock on the date of the grant. The awards have a contractual life of five to ten years and vest over two to three years. In conjunction with a change in control, stock options and stock appreciation rights assumed or replaced with comparable stock options or stock appreciation rights only become exercisable if the holder is also involuntarily terminated (for a reason other than cause) or resigns for good reason within 24 months of a change in control.</div><div style="margin-top:5pt;text-indent:22.5pt">Restricted stock grants consist of shares or the rights to shares of the Company's common stock which are awarded to certain employees. The grants are restricted in such that they are subject to vesting conditions; however, restricted stock holders have voting rights, and the rights to earn dividends on unvested shares.</div><div style="margin-top:5pt;text-indent:22.5pt">Restricted stock unit ("RSU") grants consist of shares or the rights to shares of the Company's common stock which are awarded to certain employees and non-employee directors. The grants are restricted such that they are subject to substantial risk of forfeiture and to restrictions on their sale or other transfer by the employee. In conjunction with a change in control, shares of RSUs assumed or replaced with comparable shares of RSUs will only have the restrictions lapse if the holder is also involuntarily terminated (for a reason other than cause) or resigns for good reason within 24 months of a change in control.</div><div style="margin-top:5pt;text-indent:22.5pt">Performance-based stock options ("performance options"), market stock units ("MSUs"), and performance stock units ("PSUs") have been granted to certain Company executive officers. Performance options have a three-year performance period and are granted as a target number of units subject to adjustment based on company performance. Each performance option granted has an exercise price of no less than 100% of the fair market value of the common stock on the date of the grant. The awards have a contractual life of ten years. Shares ultimately issued for performance option awards granted are based on the actual total shareholder return ("TSR") compared to the S&P 500 over the three-year performance period based on a payout factor that corresponds to actual TSR results as established at the date of grant. Vesting occurs on the third anniversary of the grant date. Under the terms of the MSUs, vesting is conditioned upon continuous employment until the vesting date and the payout factor is at least 60% of the share price on the award date. The payout factor is the share price on vesting date divided by share price on award date, with a maximum of 200%. The share price used in the payout factor is calculated using an average of the closing prices on the grant or vesting date, and the 30 calendar days immediately preceding the grant or vesting date. Vesting occurs ratably over three years. PSUs have been granted as a portion of the Long Range Incentive Plan ("LRIP") awards issued to certain Company executive officers. The PSUs have a three-year performance period and were granted at a target number of units subject to adjustment based on company performance. The number of PSUs earned will be based on the actual TSR compared to the S&P 500 over the three-year performance period.</div><div style="margin-top:5pt;text-indent:22.5pt">The employee stock purchase plan allows eligible participants to purchase shares of the Company's common stock through payroll deductions of up to 20% of eligible compensation on an after-tax basis. Plan participants cannot purchase more than \$25,000 of stock in any calendar year. The price an employee pays per share is 85% of the lower of the fair market value of the Company's stock on the close of the first trading day or last trading day of the purchase period. The plan has two purchase periods, the first from October 1 through March 31 and the second from April 1 through September 30. For each of the years ended December 31, 2024, 2023 and 2022, employees purchased 0.4 million shares, at purchase prices of \$231.98 and \$300.55 in 2024, \$194.62 and \$231.40 in 2023, and \$199.16 and \$190.37 in 2022.</div><div style="margin-top:5pt">Significant Assumptions Used in the Estimate of Fair Value</div><div style="margin-top:5pt;text-indent:24.75pt">The Company calculates the value of each employee stock option, estimated on the date of grant, using the Black-Scholes option pricing model. The weighted-average estimated fair value of employee stock options granted during 2024, 2023 and 2022 was \$92.20, \$73.04 and \$67.18, respectively, using the following weighted-average assumptions:</div><div style="margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:text-bottom;width:99.853%"><tr><td style="width:1.0%"></td><td style="width:59.222%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.637%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"&gt

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S&P 500

The risk-free interest rate assumption is based upon the availability of actively-traded options on the Company's stock and the Company's assessment that implied volatility is more representative of future stock price trends than historical volatility. At the conclusion of each three-year PSU and performance option cycle, the Company uses the historical volatility as the expected volatility to calculate the actual TSR compared to the S&P 500.

The risk-free interest rate assumption is based upon the average daily closing rates during the year for U.S. treasury notes that have a life which approximates the expected life of the grant. The dividend yield assumption is based on the Company's future expectation of dividend payouts. The expected life represents the average of the contractual term of the options and the weighted average vesting period for all option tranches.

The Company has applied forfeiture rates, estimated based on historical data, of 10% to the stock option fair values calculated by the Black-Scholes option pricing model and 15% to RSUs. These estimated forfeiture rates are applied to grants based on their remaining vesting term and may be revised in subsequent periods if actual forfeitures differ from these estimates.

The following table summarizes information about the total stock options outstanding and exercisable under all stock option plans, at December 31, 2024 (in thousands, except exercise price and years):

Plan Name	Options Outstanding	Options Exercisable
Contractual Life (in yrs.)	Wtd. avg. 3.0	Wtd. avg. 3.0
Exercise Price (\$)	\$100.00	\$100.00
Options Outstanding	1,000,000	1,000,000
Options Exercisable	1,000,000	1,000,000

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Accrued income receivable

The following is a description of the categories of investments:

Equities

A diversified portfolio of corporate common and preferred stocks.

Commingled funds

A diversified portfolio of assets that includes corporate common and preferred stocks, emerging market and high-yield fixed income securities among others.

Government fixed income securities

Securities issued by municipal, domestic and foreign government agencies, index-linked government bonds as well as interest rate derivatives.

Corporate fixed income securities

Investments in money market accounts and derivatives with a liquidity of less than 90 days.

Short-term investment funds

Investments in money market accounts and derivatives with a liquidity of less than 90 days.

Private funds

Level 1 investments include securities which are valued at the closing price reported on the active market in which the individual securities are traded. Level 2 investments consist principally of securities which are valued using independent third party pricing sources. Level 3 investments include securities with valuations derived from valuation techniques, in which one or more significant inputs are unobservable. A variety of inputs are utilized by the independent pricing sources including market based inputs, binding quotes, indicative quotes, and ongoing redemption and subscription activity. Inputs may be weighted differently for any security, and not all inputs are used for each security evaluation.

At December 31, 2024, the Company had \$1.2 billion of investments in money market government and U.S. treasury funds (Level 1) classified as Cash and cash equivalents in its Consolidated Balance Sheet, compared to \$863 million at December 31, 2023. The money market funds had quoted market prices that are approximately at par.

Using quoted market prices and market interest rates, the Company determined that the fair value of long-term debt at December 31, 2024 was \$5.8 billion. The fair value of long-term debt at December 31, 2023 was \$6.4 billion, of which the Senior Convertible Notes were \$1.6 billion (Level 2). Since considerable judgment is required in interpreting market information, the fair value of the long-term debt is not necessarily indicative of the amount which could be realized in a current market exchange. Refer to "Note 5: Debt and Credit Facilities" to our consolidated financial statements in this "Part II, Item 8. Financial Statements and Supplementary Data" of this Form 10-K for a further discussion of the Senior Convertible Notes.

All other financial instruments are carried at cost, which is not materially different from the instruments' fair values.

The fair values of the Company's financial assets and liabilities by level in the fair value hierarchy as of December 31, 2024 and December 31, 2023 were as follows:

	Level 1	Level 2	Level 3
December 31, 2024	\$1.2 billion	\$1.6 billion	\$5.8 billion
December 31, 2023	\$863 million	\$1.6 billion	\$6.4 billion

Assets:

Foreign exchange derivative contracts

10

Common stock and equivalents

Foreign exchange derivative contracts

Equity swap contracts

Assets

Liabilities

Equity

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<div style="margin-top:5pt;text-indent:22.5pt">The current portion of long-term receivables is included in Accounts receivable, net and the non-current portion of long-term receivables is included in Other assets in the Company's Consolidated Balance Sheet. The Company recognized \$1 million in interest income on long-term receivables for the year ended December 31, 2024, compared to no interest income for the year ended December 31, 2023 and \$1 million for the year ended December 31, 2022.</div><div style="margin-top:5pt;text-indent:22.5pt">Certain purchasers of the Company's products and services may request that the Company provide long-term financing (defined as financing with a term greater than one year) in connection with the sale of products and services. These requests may include all or a portion of the purchase price of the products and services. The Company's obligation to provide long-term financing may be conditioned on the issuance of a letter of credit in favor of the Company by a reputable bank to support the purchaser's credit or a pre-existing commitment from a reputable bank to purchase the long-term receivables from the Company. The Company had outstanding commitments to provide long-term financing to third parties totaling \$105 million at December 31, 2024 and \$103 million at December 31, 2023.</div><div style="margin-top:5pt">Sales of Receivables</div><div style="margin-top:5pt;text-indent:22.5pt">From time to time, the Company sells accounts receivable and long-term receivables to third parties under one-time arrangements.</div><div style="margin-top:5pt;text-indent:22.5pt">The following table summarizes the proceeds received from sales of accounts receivable and long-term receivables for the years ended December 31, 2024, 2023 and 2022.</div><div style="margin-top:5pt"><table style="border-collapse:collapse;display:inline-table;margin-bottom:5pt;vertical-align:top;bottom:width:99.853%"><tr><td style="width:1.0%"></td><td style="width:59.222%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.637%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.637%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:0.532%"></td><td style="width:0.1%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:0.1%"></td><td style="width:1.0%"></td><td style="width:11.640%"></td><td style="width:0.1%"></td></tr><tr><td colspan="3" style="padding:2px 1pt;text-align:left;vertical-align:bottom">Years ended December 31</td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2024</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2023</td><td colspan="3" style="padding:0 1pt"></td><td colspan="3" style="padding:2px 1pt;text-align:center;vertical-align:bottom">2022</td></tr><tr><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:2px 1pt;text-align:left;vertical-align:top">Contract-specific discounting facility</td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:2px 1pt 2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:2px 0 2px 1pt;text-align:left;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:2px 0;text-align:right;vertical-align:bottom"></td><td colspan="3" style="background-color:#ceceff;border-top:1pt solid #000;padding:0 1pt"></td><td colspan="3" 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systems and video security solutions and typically manage a mobile workforce. In 2024, the segment's net sales were \$6.9 billion, representing 64% of the Company's consolidated net sales.

Software and Services

The Software and Services segment provides a broad range of solution offerings for government, public safety and commercial customers. Software includes public safety and enterprise Command Center, unified communications applications, certain mobile video equipment, and video software solutions, delivered both on-premise and "as-a-service." Services includes a continuum of service offerings beginning with repair, technical support and maintenance. More advanced technologies include monitoring, software updates and cybersecurity services. Managed services range from partial to full operation of customer-owned or Motorola Solutions-owned communications systems. In 2024, the segment's net sales were \$3.9 billion, representing 36% of the Company's consolidated net sales.

For the years ended December 31, 2024, 2023 and 2022, no single customer accounted for more than 10% of the Company's net sales.

Segment Information

The Company's chief operating decision maker, the chief executive officer, uses both segment gross margin and segment operating earnings to assess performance and allocate resources (including employees, property, and financial or capital resources) for each segment predominantly in the annual budget and forecasting process. The chief operating decision maker considers budget-to-actual variances on a monthly basis for both profit measures when making decisions about allocating capital and personnel to the segments.

The accounting policies of the reportable segments are the same as those described in the summary of significant accounting policies. See "Note 1: Summary of Significant Accounting Policies" to our consolidated financial statements in this "Part II. Item 8: Financial Statements and Supplementary Data" of this Form 10-K.

The following table summarizes Net sales, significant expenses, Gross margin and Operating earnings by segment:

	2024	2023	2022
Net sales	\$6,934	\$6,242	\$5,728
Operating expenses	\$3,736	\$3,978	\$3,736
Gross margin	\$3,198	\$2,264	\$2,000
Operating earnings	\$3,384	\$2,286	\$2,000

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for tax purposes. The identifiable intangible assets were classified as \$1 million of trade names, \$7 million of customer relationships and \$45 million of developed technology and will be amortized over a period of three and fifteen and thirteen years, respectively. The business is part of the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, intangible assets, net liabilities and goodwill may be subject to change. On July 1, 2024, the Company acquired a company that provides vehicle location and management solutions for \$132 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$3 million to certain key employees that will be expensed over a service period of three years. The Company recognized \$62 million of goodwill, \$65 million of identifiable intangible assets and \$5 million of net assets. The goodwill is deductible for tax purposes. The identifiable intangible assets were classified as \$11 million of trade names, \$51 million of customer relationships and \$3 million of developed technology and will be amortized over a period of nine and eighteen and six years, respectively. The acquisition expands the Company's video solutions within the Software and Services segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, net assets and goodwill may be subject to change. On February 13, 2024, the Company acquired Silent Sentinel, a provider of specialized, long-range cameras, for \$37 million, net of cash acquired. This acquisition complements the Company's portfolio of fixed video cameras, expanding its footprint with government and critical infrastructure customers and strengthens the Company's position as a global leader in end-to-end video security solutions. The Company recognized \$16 million of goodwill, \$22 million of identifiable intangible assets and \$1 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$1 million of trade names, \$10 million of customer relationships and \$10 million of developed technology and will be amortized over a period of two and fourteen and ten years, respectively. The business is part of the Products and Systems Integration segment. The purchase accounting is not yet complete and as such, the final allocation among income tax accounts, net liabilities and goodwill may be subject to change. On December 15, 2023, the Company acquired IPVideo, the creator of the HALO Smart Sensor for \$170 million, net of cash acquired. The transaction also included the potential for the Company to make contingent earn-out payments of up to \$15 million based on IPVideo's achievement of certain financial targets from January 1, 2024 through December 31, 2024. As of the acquisition date, the Company estimated the fair value of the contingent earn-out to be \$2 million, which was included in the purchase price. However, as of December 31, 2024, the Company concluded that the contingent earn-out targets were not achieved. In addition, the Company issued restricted stock at a fair value of \$5 million to certain key employees that will be expensed over a service period of one year. The HALO Smart Sensor is a multifunctional safety and security device with built-in vape detection and air quality monitoring, gunshot detection, abnormal noise and motion detection and emergency keyword detection. This acquisition adds sensor technology to the Company's physical security portfolio. The Company recognized \$100 million of goodwill, \$83 million of identifiable intangible assets and \$13 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$8 million of trade names, \$6 million of customer relationships and \$69 million of developed technology and will be amortized over a period of eight and twelve and fifteen years, respectively. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the fourth quarter of 2024. On December 14, 2022, the Company acquired Rave Mobile, a leader in mass notification and incident management, for \$553 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$2 million to certain key employees that will be expensed over a service period of two years. This acquisition complements the Company's portfolio with a platform specifically designed to help organizations and public safety agencies communicate and collaborate during emergencies. The Company recognized \$400 million of goodwill, \$212 million of identifiable intangible assets and \$59 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$9 million of trade names, \$82 million of developed technology and \$121 million of customer relationships and will be amortized over a period of nine and seventeen and seventeen years, respectively. The business is a part of the Software and Services segment. The purchase accounting was completed as of the fourth quarter of 2023. On October 25, 2022, the Company acquired Futurecom, a leading provider of radio coverage extension solutions for public safety agencies, for \$30 million, net of cash acquired. Futurecom designs and manufactures radio frequency repeaters. This acquisition further expands the Company's communications network and device portfolios. The Company recognized \$10 million of goodwill, \$11 million of an identifiable intangible asset and \$9 million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as developed technology and will be amortized over a period of six years. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the fourth quarter of 2023. On August 8, 2022, the Company acquired Barrett Communications, a global provider of specialized radio communications, for \$18 million, net of cash acquired. This acquisition complements the Company's existing radio portfolio, allowing the Company to use high frequency and very high frequency radio communications to support mission-critical operations. The Company recognized \$1 million of goodwill, \$3 million of identifiable intangible assets and \$14 million of net assets. The identifiable intangible assets were classified as \$1 million of trade names and \$2 million of developed technology, both of which will be amortized over a period of seven years. The goodwill is not deductible for tax purposes. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the third quarter of 2023. On May 12, 2022, the Company acquired Videotec, a global provider of ruggedized video security solutions, for \$23 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of one year. This acquisition extends the Company's breadth of high-performance video products, reinforcing the Company's strategy to be a global leader in video security solutions. The Company recognized \$9 million of goodwill, \$6 million of an identifiable intangible asset and \$8 million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible asset was classified as developed technology and will be amortized over a period of four years. The business is a part of the Products and Systems Integration segment. The purchase accounting was completed as of the second quarter of 2023. On April 19, 2022, the Company acquired Calipsa, a technology leader in cloud-native advanced video analytics, for \$39 million, net of cash acquired. In addition, the Company issued restricted stock at a fair value of \$4 million to certain key employees that will be expensed over a service period of two years. This acquisition extends the Company's intelligent analytics across video security solutions and supports the accelerating trend of enterprises using cloud technologies to enhance safety and security. The Company recognized \$24 million of goodwill, \$21 million of identifiable intangible assets, and \$6 million of net liabilities. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$20 million of developed technology and \$1 million of customer relationships that will be amortized over a period of fifteen and three years, respectively. The business is a part of the Software and Services segment. The purchase accounting was completed as of the second quarter of 2023. On March 23, 2022, the Company acquired TETRA Ireland, the provider of Ireland's National Digital Radio Service, for \$120 million, net of cash acquired. The Company was an initial shareholder of TETRA Ireland and acquired the remaining interest in the entity from the other shareholders. This acquisition expands the Company's portfolio of delivering mission-critical voice and data communications solutions to first responders and frontline workers. As a result of the acquisition, the Company recognized a \$21 million gain recorded within Other income (expense) on the Company's initial minority interest. The Company recognized \$47 million of goodwill, \$90 million of identifiable intangible assets, and \$6 million of net assets. The goodwill is not deductible for tax purposes. The identifiable intangible assets were classified as \$83 million of customer relationships and \$7 million of trade names that will be amortized over a period of twelve years and fourteen years, respectively. The business is part of the Software and Services segment. The purchase accounting was completed as of the first quarter of 2023. On March 3, 2022, the Company acquired Ava, a global

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Adjustments include translation adjustments

	2021	2022	2023	2024
Balance at Beginning of Period	\$99,561	\$1,000	\$1,352	\$1,000
Charged to Earnings	\$11,822	\$0	\$0	\$534
Used	\$0	\$0	\$0	\$0
End of Period	\$11,824	\$1,000	\$1,352	\$1,534

Allowance for credit losses

	2021	2022	2023	2024
Balance at Beginning of Period	\$7,750	\$7,750	\$7,750	\$7,750
Charged to Earnings	\$0	\$0	\$0	\$0
Used	\$0	\$0	\$0	\$0
End of Period	\$7,750	\$7,750	\$7,750	\$7,750

U0<?(<8MTTA35GDP3&+&6R@>??<C800P80JFIC_H0_7F6IC0_M(QNSL4OIX<|S9W>|B129)AMJ&EHJ?=>A'/\$3>A+'%E*N8%X#4J|+EE=F6;_ZM'<1>X1R|32|W#X_36|82|Z4(P|H>|L'Z|L|2X1P|M|MEG|B_>F2NDK MM_GOS+W#&A/\$=>G@W5W1P=W72U|H|L M N%T77V0YT7Y(%#77WON2';RO#M51K&)+@)H|800;_CJ5=@>Z#2/Y\$ZVT3?_COO MD'Y/KJ90X8F*1;/%A_IR;K8NZK>Z;|N\$1-XS7?UI8^K;DGH2?> EGN8(59PO#>P#RQ-|VO1U0_ M4CZ2')|WXU_TY59W_4|HBW#<|P|A|A2=S@>2U|H|E|S|G<|T_V|+|82N_MCHLUR&E|>^N|9|36|M_<%VNYO^Z%>|FX06_U|M52?>|86G%DYAGZ\$>7@|T MOZFLVZ_K<|L'ZLPR|35(V_16\$VY|C|+50|3LS_G|C<|SMBU|89GTF\$M\$1L2.82W|*#>XER0|>50MRHST=1UIHVS6RAW=>A M">;_FEE|K"/1EG&_5SH=>\$.B'B2695?>HW&NZ^R|S|A?7*3XHW=TH5/S'9 MW"2"@>CU_*>BF+)%|>L|H#|ADK D&|H\$%\$Y(8#1-|J|QY|4^>X2A*>DQ|<|G+>=>RUGK0;KB MDK?3.<#>SN|Z_N|98H_Y|P|?2U|R"*>?+|M5+>F|0G\$ TH=>Y|A MG>6.P|H+>=>U->A|H#>81M4>WA1|Q|2|JH|&|7-30?SRC^G_ COFRYGM MG7FRO_1>P_>#>9<2?E|B7548_4=>|2C|0R|1">H#<64|7?3|3|A_1EPT ML1B75?F_|G|H4|_G\$4 GWOA\$NOWB|J|P2_1OZT=ZX?C3<?|"% M_>%K7L6|H#6+>|L7D9|WOKMD^N MC0_K|>W5?N|>474|G0HQ=>JQQO96/GX 0>+?>J?>7&O%K+>AMFMNMEU|JY-Z M20LHNCG_>\$=>#13R|M&C|/P|*X@>U|Y=>|>|TXP|_>\$K'X4C_*>W|P|>EXQQO3E MU=>UB?0=>=>X)DX|>^>H|!>P\$>IMB_3Q>=>W|FGFXW|P_XN_WET_+>U|H2Y|XU MCL_BGN&K_M^/CG>T_30V<_K|_0H27|H|A|V4|H|H|K_UZ/37+3ZS?PTX?>_M_>3N&N>|>|ENH7T?>U#>3W#>2V?0>#LA^>10WB6|*6-18 M3=>#>BYRT_L*G16XP MX4#_>V>YH=>#>SS>=>B3SOS&M2\$H6_|MZY90BG3QR2&C_Y_5E6C2V%SE%P_B|_M5(56|7O"\$>\$9UX_1P|CGN@>W="20A10%>A+B0)P#N0_T2|S|@>T-6L/_4<_C\$RT M2+M3|E0Z|>E<50>#H|L\$<<3GLIO_G|@>|H?>S3_5?>ZCV?>DVO<@>Q93_100G%5\$ZM_|H|!\$>|U&|_M_|/X\$E5H3PT/_&|P_1.GW5AGK%5;5?> #EG>W>DL>3=>#MKJ^&TYH9IR1R_|M4SWP^G^>K+K8=>K1=U0%|2VLSLKZ_RW4E2N|UUYF2O9V&85Y_M|>W2^X^M\$ALB29_+> <|(NE&TQ&^X|H8PKXT3<_>|025NZ|QOZ3|PLX|S0|G|MFMMNK@_8|_MOW^LXQ>+>KN4_\$X+|H|^H?03D^>VBF#U3Z3G#_#4^>|HJWZ@>W_X|@>U6QJTDI M|O8TY+>B_K(26O)|_U:LUUQKZ3|_RO9FW>2^MXX(F|P|S6|R>_M_V.F3^X1|B?>U^1/_YFB9M_Q|J|N_U-WR|77Z^*%|@_NK0H_Y8ZXH1E|>XJ M|P8WY9|_OU90P<|7<5&|2<_72U|2|2B_R@>YU^>TE6<=>5-/G|F_M2|E2X8 MN9=>EBP|F73-WS|U_OV3G2HD_Z5Y^>?2_P|D?P29>|>#>|U|F|B768;C| METAS\$>#K47^4_Z3U9+>=Y_2|RAKM>69@>#>DX@>(H^>K^>|N?9>1726=>B_M6)WN8?>165769KSO7^>F>MN>|Y3FUT^>7=>(FA31Y_6EL01ZN#@>0+>V#5WY|Z M^>0Y=>\$W>@>96&|BT'W<|>N/C|TBTMT9T>|_M_Y:9W&>#<1VL'DWA%|J1+>|8*M G<#0UBA7QDU0R12|X|C#08<3>_U@>K>A>@>3HS2F9ETFW&@>VW0_?9UA MIO_8TGS\$>=>IYS 36>=>XPB2R|5624_1^>6<|>T4SF=A&_B&LZ|9M&B|BMT\$<+>M^N0RY_>SZF_>|H|Q>|RK_5.B_BV>B_>4*35+1D6W^6)Z_3#H_PYY\$F9AW%_ MJ|>70^>B3K(B94>+>_GD_H_Q5M=EFW^>80+>YB>Z(>|>35X_1DP78|OX6D|0H-OC&ME%)E^>W'GLJUV|U/HV5AH55\$?>\$7%ADH?>|>T|JAB_FV>?>H|Y^>EBIZD|>=V ML_XB^>H^>KFK#0B580OH=>4=>5D8|6G290|UF_R@>07@>H&N2_>2^>IKUB^>@>GK0+>M^>C3P2?|UUI2|H/>23BY_SX_Z_>R7OE|E>=>FA08_V-(+#+>=>)=LK<5? R#>#>0(MWVOH@>TP^>Z4MET_U|6Z(<|ML|7WRZ_|\$>M^VY|_@>MKZ>_JW|B1B|)5L_H|1_M_2\$>\$2OHU|K@>M@>KYL80V&+>G|O Y|A\$>A(R|XB29T6M^3G3.WZA^L_CP|BO|H|M-M_5H_MWTF_C_FX)ZU#>|N^>|_AWS|QO|U08X_1632WGL^>UZ&|<|>U|E+>P_|@_M^>BWS<_1&K2:QEDO@>X:5^3|4BUB-OY_FLV=>D&8H^|>Q>|>C|YVW_05|Q|H_M4_@>0_VO=>W\$>9P45Y^>S9JX_|CLK#>#3|B3_B-H#>23\$556752|GW^>9Q|>3&X^>Q_|X|J@>HN%>H|>3^>XU|FC|_>9|H^>_PM|4UL3_>H^>7|_U\$|@>NP3.DT|H|<C^>M8+>M6ST\$FYL_Y|H|OSY^>M4|X_>9_G|O(H|B|>@>L_Z9>FE%>C|X^>#>O\$>4|QOQO|D|F1^>2_B_KA@> M#P|^>W\$|L|>?>Q=N|MNWN|U&F|O|A|9C|U?_#96|NW9Q|K|7|JQ_>AYM_>HRE7_M_1-1EN|XU^>2G|S|>|O|IGC9K-C_*>P|R|B|O|A|X2ZAB9|>|G|V|R4|A|T^>|S&(>T MY >Q|>T R7Y|>ODP|>P91|^>+L_M|P>63EH|3|L_N|P>@>EZ6|A|>#>FIV0!>M^>H%>N|YZIO7G3Q+>8SO=KG_|IR^>|7TF|_RA^>P\$>SE.^>40Y>K|^>NTW_!K|DGL_MJ74+>UL_R7_>%>X|L_P_YN1M7+5|FQO@>C_>(A|G|S|MZMO&A|SH|U<_>5-|B|E^>Y^>3|>9FS(|2_>5|H81F&^>7Q5\$>|S_M\$>UN|H|6|^>L84L600_> "L_>|G|U_>Q=>K02F|OISD_+>C|JVPV=>F&+>I^>B%>KZ%>Q|O|M_M|JH1|^>CG&5Z^>@>=>B2FM8D+>H|H@>29+>|>*>X>|>=>NRP2F7_>90Z|ABZ|3 M|>+>8AMV>_MG#>^>X_>9E9Y>|>OH7M|6<|>|N^>JQ_KW^>VX|^>7@>^>7&^>4B4KM|^>7^>3?2B^>G_|>_SE_|Z|>+>E2Y^>ESZ_U|S|3D /05|H^>W^>MAYC2|T2G4^>3^>N|OQ<#>M29<#>|P\$>H2?7|_>A(78ACPH_W<=>ERNB_T|P|J1_>2>9Q|J2U|O|Q|O|KH|D-9 MK5|BO8HT^>|E_|>UFW6_V|1XRVX6=7E <3T#|>+>A\$>_>|H89^>K|U+>|>K|>_>2%>M4^>DA^>2H^>W|>0_B|^>Y=H|UZ\$>@>YXMD8W|CZ>G|H>?>7Q|UXP=>2BC%>B|O|F1^>M|^>|>S&+> (GW)E7_X|J|@>|Z|_#>^>SZ+>TBLZWO^>=>(+>OCAG)T9|J3P4^>_>3Q^>Q^>ZA|>+>G^>EXY^>|H^>T^>6|X|>OZ@>\$C@>VY|^>P_>+>|>C^>M^>N|>+>429&CYP2\$P@>B89+>+> M%>=7V|X>+>5^>NO&O&K\$>|D424W=>=>TW|F|H|T7Z4_>4_>00|>+>L|>L+>0Q&S^>_X_M_>6&GZC>|>J9\$>CH^>C^>6D\$3|COKBU|@>|>H&KW|K_K_D>=>|>X_|>L^>T^>TYO2^>#1=2 M_>#>U|90F_PKFUT15Z_>|>3V>C|>7|_>2^>_>Y9|TFRWK4K^>5U\$>J58UNZBWW&_MYH+>1G3>X^>L^>44Y2|HWW>22|IR<|>#>|>Y|O|V|>V\$<6>6\$>@>0^>7^>CMP>=>WF MRRT@>87>_DCQCBM|U4%?>9K|H|467>)>S_>0/2>W>H^>O^>_>HEZ5_5KK<_>Y|S?>M_>N9PH^>BVP2@>?>H|B|U3GV>U<^>HPE5750^>L4_JXU8|A@>F^>8@>?>M|X|R\$>)_J8C M4|H<_>D#>_17|H|Y8|P2\$>=>DWN|U>W2^>S|>@>YRA\$>M90K@>|1BR3|Q|J|MF8M8EKH|Q^>+>BV8|H_|>03_K_R|H4=>+>WL_MZ2?Y2A^>N^>8P|YDZB|F234F^>#>I<^>DRON^>N^>2O|H|>QZ&_M_>+>1RHT6>4>8ON1<|>S|Y2N|AN|E|T|>2A_|>L+>ZNP_ME9=>YMO=>#>8BF04^>@>MOD_VEW>|J254^>4^>L|T|W^>OY55N&^>I2M|OY|H|>+>2^> M\$>TR|>#_>UFR_Z_>+>XWAG^>W&_>NSP&=>C4#61R^>4QZ_W_>8L>O8|3^>^>F\$|^>V^>N\$>M_>(<V89NPOPO8_4|J\$>XG1_S8V|H3P>B>B>I5F&A=RWO^>+>2^>9P|N:NA|G^>+>X| M+>=>B_S+>E8;WUQC|H|J^>D^>|>C^>?>2\$>W^>J55M|^>|=+>IGW49V_M2|L723UDQ3|H|BZ^>U|>_>#>K|^>U8^>Z^>E^>HQ1|H9_JWS9|S?>K&R^>C_6A M+>_>JDE_V|>SD\$>7SSD%=>T^>26V&ARPP8>|59O53|CL|Y^>JW+>|TQ+>XZ|A=>N_MOXV|BSJ62^>YAC|J3C|R1=0Q|J^>H|_>HB^>|>9+>(<^>O^>2M&V4^>E)^>+>|>WYW_7C@>A MHNHJXY_V?QCG^>X9MRLV4?=>N|J9S>AV52F&_3^>0B|3Q\$>R|^>J%>W_>58_>%3 MP+>_>A1FXK|4#>K^>Y%>A279>TT_>4KS|^>NT=>KT\$>E|4E%>|>6<_>|XWB7T_>4G| M&7D_SK<OR+>_>MT|19|C^>4F|>|H|>3=>=>JGZ9F33\$>WYV|>Y^>MWZ^>CH0K|7F^>|>1M|N|Q_U|>(\$>+>+>Y^>F^>M10QX^KZU^>OY^>ZAH|DYW4A|Y_>1%9(7^>?> >75A@>+>S6@>+>M^>EHU4^>0R^>+>V3|PB|9_XW^>+>+>4|9Z^>46H|U|V^>W6^>JFG6|HUE**>M<@> (MG&U&C^>V^>T^>9PM\$>=BW4)^>*_>HLY1_YA8&|Z>=>S_>EQ3_Z9+>@>f>|>3=>="Z_M1_1|P|1^>7M_O^>_1M6R-A|5R%>F|1B_#>V^>T^>|ZT^>WP9L^>19?>MQ_M-2 3^>M_1|Z4^>T|^>|>1_0^>O=>MG%>C6<=>+>58D#8A^>+>BF=>RKM=>M&A0534^>VM+>PZ_MM^>R>|>S&+>+>FP^>M?>T359HA_FHBK^>^>5^>=>S^>07^>M_1^>P&P<+>+>DA_AH^>YBR|T? 3_(>=>|E^>F|G|D|^>D|_M|8|R6H|HJ^>2&2U_LD#2_W+>64|G^>O_>9%>1R_P|V3|3|K&5WZB_X2|27|V_M|J_>\$84|UW|>=03?>?>|O|G|&G|G|>3^>C&F|>D^>G\$>S&+> VZ7|Y2_F^>6^>OU2_M_NE213)_6A|@>Q_>9_7X+>#_>F3Q3F0A3_>^>7^>|59|^>X|_#_>ZC_P_>RT_8^>5_MX9W^>_>%>4>G_YG^>K|F_>#S=X|>L^>W M_>EQ(\$>HC^>W(D)|_>X|>L^>1|J80@>(<N^>Y^>)>+>C|>T|H|L_>H=>83X_1\$>|B|F_K|PH@>5^KD(KFFL703V^>09T5L_P_ZV7?>_M=XV_(>@>V#>|ZP2LE<^>H|9>H2>=>7MA_2_F M&^>L^>X|L|>SN^>O^>P226^>V|_>G|H<^>C@>RQ|J5_O2^>P@>A_|>P|^>1|NGT|^>S|^>E1&_>MFC%>MYT76|>S|^>EYXPK|U|Y|U|H|U|H|_>H1^K<22>=>5^>DIRKFD0A?| M\$>J_K^>QDM|>#Z^>4W_U^>H|W2^>F^>HEE8^>(>?2G\$>SAY@>7>DHS^>Z7B|G|P|U10^>L3P|>^>H_MQAT>|B|A|Y0M_4GW_Z_7P%>?>81GWJ^>Q^>26KX^>K4^>Z2+>4Q0=>R|^>H|^>55|^>+>^>M^>V|^>J|Z1^>Y^>M|^>Z^>C\$|^>N8A_W<_>P|MAC_8PWF|X0+>F|H|H+>W8@>|>WPGQ|Y?>C^>MMV^>464V^>P_>16|3|UMSD_R|^>+>#>E# MQ04^>R&F27|>|>H92RR4Y|>6V9_1|_>H_S|>B_H|>4W+>R|P|Y3<(>M>_>9|>F_MOL6>Z>Q>51%>?Q7|5_91296&CH_W_>+>O|>F7Y>N^>#6E|9BOGDE6S^>T^>J_P M0HO^>|OX_STMGU^>Y0<_>0L#>@>P0ZD+>L^>18C5P^>6@>SF5X|_C=>=>+>4^K_>ETG^>16_M5^>WHK^>E3PP^>|>C|K|TUT>+>5P1(4|^>|H|D|H_P|T|^>1^>(>=>BP^>G=>H6|^>@>PEU&EH^>A M&M^>FPZ2N_N5|>=>#>B>XNO>G4_KKP=>PEO\$>5\$>PWF95ZBQIDM8=4Z_K|YH|M46_M@>S|>L^>O08L|H|H|>2MSU2ZN|^>F|^>X^>9P\$|>@>M_>A|S|>H=>PM&?>+ W|S9M90_M0_U_>#>E|>0?>|>W3>=>4_YKK4DG+>0|_>RKC+>1_>2|_>M|W^>F|X^>+>5&B^>T|UO_S_1B|J3|>P|/25_>6>W_>JESG26OY&2P\$|>?>2^>HHC&G^>W&2_M^>AX0(6FHHGS_MD-B(ZV_H_#&H^>^>7>A>_>U|K|JGC2^>|SEQ7EK\$6^>D=>M|3<=>_>V2_XS>4^>MVA4D_K^>O^>X>=>+>5J=H|3\$|>L|P3ES6&74|_>4Z0)GH&0EP8NW=>J<|>L_V_>M5^>|>LYT|>O&AW_>W>GM8^>7I65^>^>FNL^>ST^>I^>H^>X_7AYMM?>=>M7_O>G^>F^>=>YF6=>PR_YB_L|H^>P^>W@>L|O^K=>#XM>+>_>O|W_FH|P^>T^>MXNC&L)_34(2 >5=>#>4Q\$>N<=>L|5>=>#UDY^>#3FMI_Z^>SD^>@>@>ZE_7%>LKY^>1M2_LOD9V^>X5008VDM^>E^>B_>3^>A_F&23|TP\$T5%>X|AX^>R^>5|P|H|P4|HPV M5@>N^>M^>C|35L|H|>D28_W&E7^>A%>+>Y|O5_J|X^>P|^>A^>E^>T^>C^>86|D|_>E^>Z^>O|VU^>L^>M&F^>M|_>7LDA_OZX8|H|_>0>=>K4|>@>17%>60^>TS^>=>ROV8YH^>C_(>2W^>N^>Y?> M>=>7_>O^K=>G=9|FN2M^>VUOTB^>DT11>=>B^>V^>VAG<=>8/96)PT2M7CV&|_>P|_>9R3M^>D^>M>=>18Y|C^>YRQ|>?>C4|>D^>P^>G|>H|H|H4M_>+>O|S_V+^>X8^>D0^>S^>B22M\$|? M|G|C2\$>X|A@>(>H|D|&^>14&L^>O7_>GUGZ\$>P>H3V_>9V_P(WAU=>|>Q+>8OY^>M^>P027JY_G<=>K&OW25<02|H|_>6AW6@>^>FQK|3|JZA>+>A^K|^>98>=>6K68Q^>J^>V_MYE-3GS^>5PAZK(>HOEA^>O^>Q1ZB9YWV/K_>WE3L>+>H^>PXM9H|^>L|LTH8|5|O94_M\$>PQ3ZX^>5^>V^>FF4S^>CQ_MW^>OY^>Y55|ETU_3X=1%|31^>O>@>H|H|H|2L^>0|F M7%>S28KVG0+>C>|>S&^>1^>H^>+>X^>Y^>+>M^>J^>Y^>Q|>O^>K8M(C)^>0>=>S|>M3Z^>N8>1_M_>9=>23^>A^>2C_>5\$>50A=>FBA&V96%00^>FENQ|H+>4V|A?> ^22\$>XWQ|T_DBTID^>H^>S^>D_M\$>3=>LAW@>|H^>N^>A\$>LX+>O^>ZL>+>D^>E^>E^>+>294^>6A2@>G|^>2026N^>L70+>|H8Z|_#>P#R MCH(Y4UT|H7=>=>S^>N|X^>O|U|>O^>V_K@>2^>#66R|H&_NYH_51Z_>15^>P2^>|>60_FV_31N>G^>C|MR_>#>OCLX_@>A7^>161^>#7823|3NB4^>|E|G^>M_>C^>M^>O^>U^>R|^>#5EZ_>O^>=7)NOI=| |>H^>VFS_26<=>@>56%>K^>Y6+>C|E|^>L_K^>=>#36948_MG>X|H^>0?>|B7Q|>=>K>(>B_>3>6DGG+>S^>K^>6^>A^>A^>GFV^>48MS_>P@>N^>L^> M<|>ANI\$>N^>U_>AE_GYFF+>R^>C|T7|>SOU6^>=>EO?>V0D5|@>|JSBROXN9Q|>W^>L^>T^>M_>M^>+>|>4Q>|>N3%>Q|T\$>G^>S|^>A9T<^>R?>?>L^>|^>O&E^K^K^>HH2^>J%>Z<=>024EOL5E M<=>_>D>@>01^>?>W|ZV>+>+>S^>Q|P|8N^>J|C9^>W|C|>+>T^>GOO^>X|J2^>|>AGB^>V|U^>|>8DEZ|2_>4>H>+>X^>L^>W M\$>9|COL5Y0=>6&C^>KZRO^>Q|J|H|B|P&=>^>R^>XDM_E|T|L+>GRG_Q^>YV+>|>L^>C1_M^>JAW^>H|H|P^>G^>GLU>?>7#>_>M^>AN0M^>GBC5L_7>S^>I^>R^>F^>W1_U^>F4^>X8W^>H9X_5C+>T M|B|JXVW8T_R_(>4>D>M^K|O|V6#|_>L_X_90_P^>U<=>S=>C8)M^>G|F|&P^>N^>N^>H=>L^>H|O|A7G^>N00Y|SOHY|O|F2?R>=>\$<5C^>T@>CR_IP@>9?R_WMF510_MNM8M%? _W|G^>M^>S^>B^>F5|U=>M^>Y3|T|8B\$>FX2^>E|U_>TZ|^>1^>4|61_8&JS_>UD_M^>B^>P^>G|V|V^>=>AMZ^>P8<=>+>N|JAV<=>#>F>E5<8^>YQ<=>#>E^>C^>Y\$|QY|UDE\$F M3EF=AS_>7_>4>ANSK^>8H_UMH^>E^>G0T^>F^>M2|L%=>A28<7ND00QOET^>M^KV4\$>M^>D|U^>O45^>XPS^>S^>H|>S|_>W7|F%>G^>P|_>P2=>=>P|C^>FQ3^>DXV|>=J(<^>H|C^> MUADGP|T4\$>?>L|NL^>^>DD>M^>VDD^>I2%>O|>Q|H^>P^>D+>R^K)W69_M0|_>N2TCZ9|8?>AZ7M|>+>@&=>CJR72D|&^>A^>Z^>Q4SXQ^>^>ZL6_4S^>40(BJZQ M5_>+>N^>Y<^>YSB|N2G6A^>=>O1E|V^>V|^>E|H|>Q|X|P_2^>NL^>7SE7KNA_4A_*>4^>MFX=>5WWR4H8_1Q7JY^>S0LGS^>|U=>_>H<3^>2^>C^>Y2^>N60LX|R_1V9/ M+>Y^>E^>R^>T^>Y<^>S+>B_A03|_4=4_>2>=>T^K|T4DE^>Y_6D^>P^>H=>H^>X4Y^>W^>UHG7_M&|>#>7^>E3^>V19696>NC\$>9_1%>ANZ^>X^>H^>WON^>SQ52^>K|ON<=>_>E^>C^>+>H_>4^>W(RMP>OG|A^>I^>ED9?>^>ESY^>Y^>E9V_G4N_7)1S+>VUI&/_M_>C_>?770NS^>GB56M^>HVN_K3Y0_TZFL_XORDO|Q3^>(<^>ZG&_M_ED+>TF^>G2@>(BC_1^>WM^>#N8X->|SH^>8^>X-SX26|4A|B|>7>|>QF2@>U2#>6#>(>DRUYR^>FXM^>|^>15^>6^>OV6&YLEGVED|_>K\$X^>E^>M^>N^>Y^>X^>Y5^>W6KZL|W|S7^>=>V2066%8Q|U^>V^>S9^>Z^>MDL^>I4 ^>J2D|QIST^>_>%>K^>5^>J^>6F>=>Y^>TF5B|HLEG_25^>F>=>#XOW<=>H1&^>#>1^>O^>B^>#>#6&6&62|H_K0|X4EW\$X8616HYO_MX_68^>M^>2^>H8^>Z<=>BQZ>Z_F|T| MO^>K5E)4^>2GK|C|RC3|AY^>(*MAG)^>N_>MV9R/_9|_>RROA|^>51W^>YKH|>20T^>M=>MU7%>YPH1EV|U3A<27_>^>I^>E^>#>A1^>)|>N^>R+>=>5(6|2^>+>GQ|H6UE\$|^>3JW^>M A1K_G|HZ=>|>AQ>=>W@>|>Y^>O&KW^>^>U0Q35CO_39>RT?

1-:V2.T.O1.M(=TQCG'3>FIMHQ3%MN1>SPT312W5DEY,^Q5_Z%IP/F-8;VILPN MW+PJSS1WQO^&A)O\$-Y)O&-QY691%0,-R\$E0,BAG,(-S,K;V1^<GAT33VC'2.QOM;Z2.A5U V+>,KKR53PIB)5G+L NPO>^HA1^J8@ MJKY'W)+-1#-1OW)=2<7G_ZF.A%V /AH ML_>UYUQ^2XQD=FNA4/K+?<WRR9>ZB4.F1D;Z2.KG5^MKL ID6^J829^C^A=-V MR%&IEF<=0-1HS?9DFH;LSf847?>BQO Q10-7YFO<=4B?P4+>JTC VP_0CXW^O9_-&5YV3^".8QC79 WRG;JXN2J+L+L_R^%J1?2.W^&F.82W^YS.A2G^&9+>^4R=,12.3J12^E^".MHS63/IS2<./CIE38/8.EYB1.O.UA.TXIDZK?9SEIU_?EYJ+?JQGZ274J0 Q>>GN>ELG^R56S85^1+&O&S1.SX.SX;?>I9%1+^F1AA35TJH_ZRTMYG^&F.E MP1MA1>3ZE)^&T^W4>QH?_U.O^0V1&FS5=-;#ULG IV1OU(1W5B; @U6IQ/E^ MY9E^;MH1AT<0.631.H\$^#T6=DQOGMFQJW^DOOY7^F+9^Q(UH#Z9(&C.HJ^E^Z+I.TYWJG.M.S^<X2%^WLX^>2<4DOWY+IGR^2VPIPT^ZL6<#WC^"BI=O^>.N^N^N.H8#9/F5 M2M^#>#H1#%J6YHD:(UG M;ZIK^C2\$^/=A+I1^*%>.NE-NB>L?^J^K<-<W+>+2+2+60T^R^ZL628WV>ZGV M5^BD^T^+1+5+H8-GRR&5^C^>+2^P78C^POK:=U^M^SNA>PILHE(VT@U82PVGUG15^&Y45ID2B;5^+7+7J^MCSU^<PL)9J.M.J1^+5.2FN7ID6;8QHOG0 V%^>FH+60^U^D4<^*%S.12@4BYM^MIG5^""O^Q6%>XILX16WK^1+GD.NA5>NX=-;7MKJ8J^JTKMJHQ^D;S^/= <<W2AJ07R1S3Z1+I0BV/2I@.A3^L^JTU6.9RU6M8YJ^\$BRE77HA1^MH_HJ^M^W3%;P2RIO=-8^W^>@ RHWOITFO>I#H^@;<5W8^6I^%L6<-16I\$UR^C^SVJHO Z.D3781434^UV^JUI@KSH1219M^O^LNB0DE^>=Y^G>@WYHML^Z^Z1^>@M^Q^M^VIAJ8^="E^SFHJ@L=I^X^>A230WVFXG@^EM^Q^>F^2^>ERIA07>X> V.BPHPTL1@^M^JCD=U5L7HSH4^F^JIXUTY5_X^I^V^N^C+>=>MT7?_Z^H^D^PKL^NORA6^D^>T^5%I@L&B5^F1^0\$91>HM^>0%Y2^Z2^747JOK +501^9>+1^%="F13H^2\$S100B^MQ^?F2>I9YXY_->9>J^>F> Y8U_7246 M?>^JHJ M?>=>W<3X217PMHBB^U2@0F62S8,&F1=&6BBJ0H0&W^?S2=ITW =2N>J^>="403>+>>HJC1^#6^T1M\$ 0BRAB2RW1+T^TPXQLOVYO^WMAI M^>=1\$9.BM_X^P\$^S24QCP4^>M>CRV%7+>BIS8D5^,T^BR;\$+>INCR16?>F+UJRTB;5#I9B&6D^>S^100@2P.MY^+PKYIGI@.BDE^RE^>+X%\$>0E>=1JHU00>Q9^X^P7^*R^7HP O(99/J^XIS&K_X&8^>4(3^3^",PCO5#&PZE\$;M07LU S&_W6^*I9^A.B M\$6^R3)C<=Z^>J^CZ48&J2\$^ID0J(HK2)Z,&OIC&5CH&52B% 17FJN^JAZ:1=2JH62WROBHN3_O^N32\$1O^>@H^K=N^CK6>4(UAF^W-KX MM^C2 D2\$+2IU;TP^X2742<=LXN^>1X3;5HA1>9Y^*5>SGKF34W0<^Y8@RK <C&0KX^T26LA0=AKYIIFH3^&G;9O1U^WD;EPGFZV_M^>O^D7L^CA7G<09A17N+O6.T5^>+1.H.HJ2_?N^#HN&T31U0BRV^U>W2\$ 6 M^IXA) X^9X^HWWY<4?13BMM8WE,\$IKE^FJ^+9UF^MRF53V^C^&&^"I01 M.^&^&(X.H10^%E_5@ERFWJO=5I1S^8^>FYD^&F7N(6RAFZ>P1UP+>BT HD(0E1JMS1<1^&V&G^&(9.7ON\$Y7C)XQO;ISO1^_XY91J^P8^JHO9E4&4^N/ZEW4H6EQ^>+MUQ6+>I6-D%>41Y+2R8^JH=IH;U5FJ(34A1Q1^<1DD622I= >011#>#>T>S^>2-D^&W^?JH^>M;U_1=&DH^M9I^>M^>(M6RP M=1K^*1QK.CG84@PGC22^&ISM1C^&F88E1^29XFJH_XH_O4IM.SMLN;EZA; =, "QHZ3Y\$MH@I#RT ORE(5I.WY6>JHSJ;4H.&EYJAU)LJW(OOK;V5 M.EH<((/ARLX2=**4S2^*EJA7^HRIM^S>=>#AT JAJ^?6^X^>@Z&#WH= >W>N1+>#>T8HT1614)1C+>7G1^J1(1<="J18M^"PH80T1^*P^>@Q(M^K^")_M8^OQ85=^>_W&S^F1X3Z0>O8H(MJX+PR&^<VM9KHA>Q2>=>6A_V6?J16Z) 2^>F_4C_5&7A1+2H2CEKRI@/O%UEG763Y^I^XCTTAMP^T^3_HS.M^K^>21_10.52^T^F(1+K6IRLAOE)^&W^M^G^92E^&K^R10Z7LX>=>MJDJ^OKOU IFM17E+9+66 M-DT@9S_X+IB%3_8G26V<8_I15(6^2V6XLR_U4V(B MPEIE&)\$9I8QZ16IN9S^W^>(>EHIG2EH<=9SA^YZ)O/RW^6^\$UC/FF92I3I@+ 1%RC<@>883^5&14AME8^L5;1Z^L6F.96XVLT1>J888^>X^K^Z6@T1+>P%6I^M1+M@A^FNA>QV46;4\$Y3^A3T^_JM^>6.S^>H1%2^>A170QO2N^_02V^6 S.T I+>IDPX@?7^2L9V^74^F_17\$U^N1G10XPLT2^ FLHBPKPM^?A^>TOJE^T2KTR^N^A^>=26YX_YJ@^T24J>4^>J3D<S1GLA^HVVU12<OH;@>@>RLS(SO); <C/FEY_N^>+UY74W^T76_IV5<+>4/PA4+3GX^Z16TV3EPS^;T4;@IAPC M^#>->U7BSQVC9W2D>U@+>@K&IPLJ?26B>C9^?G%U@I2=O^T;PT?>^,A- <=>8W>+>4J7.Y1H7\$16<-K2E^&C=SFTFS^>=Y^>S^?>C8^PT^T^P^K^>MJCJ^QO;RPB^>6MO.O2^TE8K4 MI+>MO3^7AUE18 M^>CIV^ZWK^<E1?>I^V>_#W; #^#AE6;H*1I7;4\$M^K<^>I07BHPB18H74+72V1A\$W^W^M^P^>M^P^>T52J>+>QOJ@>@OD.C?>T8KM_SZ1.3AYOQBS^SC^T^G7^JPKX327A1R7K^ 6<22=V;YVS-E.O\$5%="M4.0@.L=;DV^M-58K2@YD(C16UV1O^*ML^?G=O^#7<1^6JR8_1X3>_E#1_M2HLT_EZ19ZG0K2>14J>IXLCA<9-DY 14AOWLEZ;JVP@+UUMIDM^X^J2.9L^T.OPTXLBW^B^WKN^\$W2V^TVI+R9Z^MAX(+00+OHQ\$1.O&ZL^>O_Z5>715U^T_TBHHA192S^C^847IBYZKLM^<I CVL=8QOW^J^P@^P^PJA^LCMC85YDP#P.MTD.CYVBYBE^C_S^F+Q(AE.NWDH^N^XL\$54ZP&X1732V^U9X8_XH_N^%\$ MMJ(00\$4M^>P9.R0Z4R.XZ)N7^>7I; 88P0WIO;C.#F3E>8(T80#^#7W;+>1\$C<=IHXIM_W&Y+HA78%G76^NJ# M^#>P^S^I^9^AGI^%>3YPLUGREIVZ=5G5IR^TTLF1@3^V2^V_<92GB^MRM >TMQVMOE.E\$96OT^P^>XCK^>VSH>JLPT&NT^9E16^?>J^O(Q2=IZ M^?36LP1+>IVK>=&9IDXZ>(>U>CTS9%I7.E)^>7P^T^Z1F+>S^>YGD\$F5F1B6;3 MK5^>2.KJ+5^>I^T<=U^\$HA81PW7_/5Q#_U^EXXM>7BHL^&7N^>HQA>M378(D9R8;J9T\$8U^J73H@>X\$9>42KJ+>0@I^O1F71X2I^ZLS9J1^VAI5VEY.O^K^K>4P0I; YUBSK_NJWU+>2%>B^"OPW16.Z0K1^&YBZ1^#^>KC=(GPM^%<E5%9<^>I^>R^MZIU^K^W340=1@&A2^*7JRKIOEB@SCP51NCHJ^B9R78IDZX^&O^>4I22) KX2A^_#1P^>4<CZLID^>IV^<OZ\$AWP^>H1J1BQ^>LJ4DB^>I^>=>_R4 M6GGQ41_78C;9^I^>Q^>O^S^I79&O^>=

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[The following text contains extremely noisy and illegible characters, likely representing corrupted data or a heavily distorted document. It appears to be a mix of random letters, numbers, and symbols.]

[illegible]

[The following text contains extremely dense, non-readable noise and appears to be a corrupted or heavily redacted document. It has been truncated for brevity.]

