

COMTECH TELECOMMUNICATIONS CORP /DE/
Form 10-K
September 26, 2012
Index

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-K
(Mark One)

Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

For the fiscal year ended July 31, 2012

Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Commission File Number: 0-7928

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation /organization) 68 South Service Road, Suite 230, Melville, NY (Address of principal executive offices)	11-2139466 (I.R.S. Employer Identification Number) 11747 (Zip Code)
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(631) 962-7000
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
Common Stock, par value \$.10 per share	NASDAQ Stock Market LLC
Series A Junior Participating Cumulative Preferred Stock, par value \$.10 per share	NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act:

None
(Title of class)

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.
Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.
Yes No

Indicate by check mark whether the registrant (1) has 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 the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.
Yes No

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Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data file required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting
company

Indicate by check mark whether registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes No

The aggregate market value of the registrant's voting stock held by non-affiliates of the registrant, computed by reference to the closing sales price as quoted on the NASDAQ National Market on January 31, 2012 was approximately \$583,157,000.

The number of shares of the registrant's common stock outstanding on September 21, 2012 was 17,369,120.

DOCUMENTS INCORPORATED BY REFERENCE.

Certain portions of the document listed below have been incorporated by reference into the indicated Part of this Annual Report on Form 10-K:

Proxy Statement for 2012 Annual Meeting of Stockholders - Part III

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Note: As used in this Annual Report on Form 10-K, the terms “Comtech,” “we,” “us,” “our” and “our Company” mean Comtech Telecommunications Corp. and Comtech’s subsidiaries.

PART I

ITEM 1. BUSINESS

We design, develop, produce and market innovative products, systems and services for advanced communications solutions. We believe many of our solutions play a vital role in providing or enhancing communication capabilities when terrestrial communications infrastructure is unavailable, inefficient or too expensive. We conduct our business through three complementary segments: telecommunications transmission, RF microwave amplifiers and mobile data communications. We sell our products to a diverse customer base in the global commercial and government communications markets. We believe we are a leader in the market segments that we serve.

For the past several years, we have operated our business in extremely challenging adverse macroeconomic and political environments. During this time, we have focused on long-term organic growth opportunities that we believe exist in each of our three business segments.

During fiscal 2012, we reported consolidated net sales of \$425.1 million and consolidated operating income of \$51.3 million. In addition, during fiscal 2012, we completed the repositioning of our mobile data communications segment to align with our expectations of materially lower levels of future net sales and operating income in this segment. This repositioning included targeted actions to adjust our cost structure and eliminate certain product lines, including our microsatellite product line. In connection with this repositioning, we recorded a restructuring charge of \$2.6 million and anticipate additional charges of approximately \$1.0 million in fiscal 2013.

As of July 31, 2012, we had cash and cash equivalents of \$367.9 million. We expect to supplement organic growth opportunities by making one or more acquisitions.

Our Internet website is www.comtechtel.com and we make available on our website; our annual reports, quarterly reports, current reports and any related amendments. Unless specifically noted, the reference to our website address does not constitute incorporation by reference of the information contained therein into this Form 10-K. In addition, any materials filed with the SEC may be read and copied by the public at the SEC’s Public Reference Room at 100 F Street, N.E., Washington, DC 20549. The public may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330.

We are incorporated in the state of Delaware and were founded in 1967.

Business Conditions and Industry Background

We participate in the global commercial and government communications markets which are characterized by rapid technological advances and constant changes.

For the past several years, our customers and the end-markets that we serve have been significantly impacted by adverse global economic conditions. In the past few years, European monetary issues and concerns have intensified, raising concern of another possible worldwide credit crisis. Although the impact, severity and duration of these conditions are impossible to predict with precision, we believe the current economic environment has resulted, and may continue to result, in: (i) changes to our commercial and government customers’ historical spending priorities, (ii) reduced military budgets and (iii) extreme pressures on government budgets throughout the world.

In addition to operating in a difficult global economic environment, some of our end customers are located in emerging countries that are currently undergoing sweeping political changes. We believe that the aggregation of these conditions has resulted in the current suppression of end-market demand for many of the products that we sell and services that we provide.

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Although it is uncertain how long the current adverse global economic conditions will last, we believe that both we and our end-markets will ultimately experience long-term growth due to many factors, including the following:

Continued Reliance on Communications Systems. Businesses, governments and consumers around the world have become increasingly reliant upon advanced communications systems to communicate with their customers, suppliers, and employees. In particular, there has been a significant increase in global demand for products and services that are utilized for wireless and cellular-based communications, broadcasting (including high definition television (“HDTV”) for cable and over-the-air broadcast), Internet Protocol (“IP”)-based communications (including voice, broadband video and data), long distance telephony and highly secure defense applications. Because of the continued reliance on communications systems and increased utilization of satellite transponders, communications network providers have been forced to increase their investments in new and updated satellite-based transmission systems in order to maintain the quality and availability of their services.

Growing Demand for Increased Cost Efficiencies. We expect that the insatiable global demand for voice, broadband video and data communications will cause increased satellite transponder utilization that will, over time, result in increased transponder costs in many areas of the world. Particularly in light of current adverse global economic conditions, we believe that communications network providers and end-users will seek solutions that increase the efficiency of their networks in order to reduce operating costs. In light of the relatively high cost of satellite transmission versus other transmission channels, we believe that communications network providers will make their vendor selections based upon the operating efficiency and quality of the products and solutions they offer.

The Shift to Information-Based, Network-Centric Warfare. Militaries around the world, including the United States (“U.S.”) military, have become increasingly reliant on information and communications technology to provide critical advantages in battlefield, support and logistics operations. Situational awareness, defined as knowledge of the location and strength of friendly and unfriendly forces during battle, can increase the likelihood of success during a conflict. As evidenced by the conflicts in Iraq and Afghanistan, stretched battle and supply lines have used satellite-based (including mobile satellite-based) and over-the-horizon microwave communications solutions to span distances that normal radio communications, such as terrestrial-based systems, are unable to cover.

The Need for Developing Countries to Upgrade Their Commercial and Defense Communication Systems. We believe many developing countries will be required to further develop and upgrade their commercial and defense communications systems. Many of these countries lack the financial resources to install extensive land-based networks, particularly where they have large geographic areas or unfriendly terrain that make the installation of land-based networks more costly. We believe satellite-based and over-the-horizon microwave technologies often provide affordable and effective solutions to meet the requirements for communications services in these countries.

Although the health of the global economy and political stability directly impacts the speed at which industry advances and changes, we expect that we will be able to participate in the industry’s expected long-term growth by focusing research and development resources across all three of our business segments to produce secure, scalable and reliable technologies to meet these evolving market needs.

Corporate Strategies

We manage our business with the following principal corporate business strategies:

- Seek leadership positions in markets where we can provide specialized products and services;
- Identify and participate in emerging technologies that enhance or expand our product portfolio;

Operate business segments flexibly to maximize responsiveness to our customers;

Strengthen our diversified and balanced customer base; and

Pursue acquisitions of businesses and technologies.

We believe that, as a result of these business strategies, we are well positioned to continue to capitalize on growth opportunities in the global commercial and government communications markets.

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Competitive Strengths

The successful execution of our principal corporate strategies is based on our competitive strengths, which are briefly described below:

Leadership Positions in All Three Business Segments – In our telecommunications transmission segment, we believe we are the leading provider of single channel per carrier (“SCPC”) satellite earth station modems and over-the-horizon microwave systems. Many of our products incorporate Turbo Product Code (“TPC”) forward error correction technology and our licensed DoubleTalk® Carrier-in-Carrier® bandwidth compression technology which enable our customers to optimize their satellite network by either reducing their satellite transponder lease costs or increasing data throughput. In our RF microwave amplifiers segment, we believe we are a leader in the satellite earth station traveling wave tube amplifier market and one of the largest independent suppliers of broadband, high-power, high-performance RF microwave amplifiers. In our mobile data communications segment, we are a key legacy supplier to the U.S. Army’s war-fighter orientated satellite-based, tracking and communications system known as Blue-Force Tracking-1 (“BFT-1”).

Innovative Leader with Emphasis on Research and Development – We have established a leading technology position in our fields through internal and customer-funded research and development activities. We believe we were the first company to begin full-scale deployment of TPC forward error correction technology and licensed DoubleTalk® Carrier-in-Carrier® bandwidth compression technology in digital satellite earth station modems. Our field-proven over-the-horizon microwave systems utilize a proprietary 16 megabits per second (“Mbps”) adaptive digital modem and we have developed a troposcatter modem that can exceed 22 Mbps. In our RF microwave amplifiers segment, we are incorporating Gallium Nitride technology into our products which allows us to offer customers more powerful and higher efficiency RF microwave amplifiers. In addition, our traveling wave tube amplifiers have built-in block up converters (“BUCs”) that significantly reduce operating costs for domestic and international broadcasters. In our mobile data communications segment, we believe that our internally developed BFT-1 technologies are critical components of the U.S. Army’s satellite communications network.

Diverse Customer Base with Long-Standing Relationships – We have established long-standing relationships with leading domestic and international system and network suppliers in the satellite, defense, broadcast and aerospace industries, as well as the U.S. government and foreign governments. Our products are in service around the globe and we continue to expand our geographic distribution. For instance, our satellite earth station products and our high-power amplifiers are used by hundreds of mobile cellular network providers and governments around the world. We believe that our customers recognize our ability to develop new technologies and to meet stringent program requirements. In recent years, we have expanded our relationships with several agencies of the U.S. government. For instance, our high-power amplifiers will be used in a major network expansion for the U.S. Air Force.

Core Manufacturing Expertise That Can Support All Three Business Segments – Our high-volume technology manufacturing center located in Tempe, Arizona utilizes state-of-the-art design and production techniques, including analog, digital and RF microwave production, hardware assembly and full-service engineering. All three of our business segments have utilized this manufacturing center for certain high-volume production which allows us to secure volume discounts on key components, control the quality of our manufacturing processes and maximize the utilization of our manufacturing capacity. Because of our expert capability and quality reputation, several prime contractors to the U.S. government have outsourced a portion of their manufacturing to us. Although revenue from outsourced manufacturing has historically been modest, we are actively seeking appropriate opportunities to expand this part of our business.

Successful and Disciplined Acquisition Track Record – We have demonstrated that we can successfully integrate acquired businesses, achieve increased efficiencies and capitalize on market and technological synergies. We believe

that our disciplined approach in identifying, integrating and capitalizing on acquisitions provides us with a proven platform for additional growth. The Radyne acquisition that we completed in fiscal 2009 was the largest acquisition in our history and we achieved all of the strategic goals and operating efficiency targets that we originally established when we announced the acquisition.

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Our Three Business Segments

We conduct our business through three complementary business segments: telecommunications transmission, RF microwave amplifiers and mobile data communications. By operating independently, our business segments are able to maintain a high level of focus on their respective businesses, activities and customers. Our corporate senior management team supports the business segments by, among other things, actively seeking to exploit synergies that exist between the segments, including areas such as manufacturing, technology, sales, marketing and customer support. Financial information about our business segments is provided in “Notes to Consolidated Financial Statements – Note (13) Segment Information” included in “Part II — Item 8. — Financial Statements and Supplementary Data.”

Telecommunications Transmission Segment

Overview

Our telecommunications transmission segment provides equipment and systems that are used to enhance satellite transmission efficiency and that enable wireless communications in environments where terrestrial communications are unavailable, inefficient or too expensive. These products and systems are used in a wide variety of commercial and government applications including the backhaul of wireless and cellular traffic, broadcasting (including HDTV), IP-based communications traffic, long distance telephony and highly secure defense applications.

Products, Services and Applications

The following are the key products and systems, along with related markets and applications, for our telecommunications transmission segment:

Satellite Earth Station Equipment and Systems – We provide customers a one-stop shopping approach by offering a broad range of satellite earth station equipment. Our product offerings include satellite earth station modems, BUCs, power amplifiers, frequency converters, transceivers, access devices, voice gateways, IP encapsulators and media routers. We market our products under a variety of brand names including Comtech EF Data, Radyne, Vipersat, Memotec, AHA, Verso and Stampede. Our satellite earth station modems and products include:

CDM-600 – One of our all-time best selling modems, the CDM-600 includes an option that allows end-users to incorporate our patented TPC, a forward error correction technology which can significantly reduce satellite transponder lease costs or increase satellite earth station modem data throughput. The CDM-600 provides connectivity up to 20 Mbps.

CDM-625 – The CDM-625 was our first modem to combine advanced forward error correction (“FEC”), such as VersaFEC® and low density parity check (“LDPC”) codes with DoubleTalk Carrier-in-Carrier® bandwidth compression, a technique that allows satellite earth stations to transmit and receive at the same frequency, effectively reducing transponder bandwidth requirements by 50%. The packet processor enables efficient IP networking and transport over satellite by adding routing capability with very low overhead encapsulation, header compression, payload compression and Quality of Service (“QoS”) to the CDM-625. The advanced QoS combined with header and payload compression ensures the highest quality of service with minimal jitter and latency for real-time traffic, priority treatment of mission critical applications and maximum bandwidth efficiency. The CDM-625 is marketed to users who require connectivity up to 25 Mbps and we continue to add new features to meet customer needs.

CDM-750 Advanced High-Speed Trunking Modem – The CDM-750, which received the 2011 Next Generation Networks (“NGN”) Magazine Leadership award, accommodates the most demanding Internet Service Provider (“ISP”) and telecommunications backhaul links by offering users an advanced combination of space segment saving

capabilities while minimizing the need for unnecessary overhead.

- Advanced Very Small Aperture Terminal ("VSAT") Series of Products – Launched in March 2010, this growing product suite includes our CDM-800 Gateway Router, CDM-840 Remote Router, the CDD-880 Multi-Receiver Router, the CXU-810 RAN Optimizer and our Stampede FX series and is ideally suited for cellular backhaul, universal service obligation networks and other applications which require high performance in a hub-spoke environment. These products incorporate Radio Access Network Optimization and other advanced FEC and modulation techniques. Our Stampede FX series includes WAN optimization that uses content reduction techniques and acceleration techniques that can significantly reduce access time to data.

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DMD20 – Because it has been designed to minimize configuration changes, the DMD20 modem can be used by virtually our entire global customer base. The DMD20 is compatible with our CDM-600 and, with an optional communication link, allows network operators to monitor and control their BUCs. The DMD now offers DoubleTalk® Carrier-in-Carrier® bandwidth compression.

SLM-5650A – Fully compliant with key U.S. military standards, our SLM-5650A can transmit data up to 155 Mbps and can also be integrated with our Vipersat Management System ("VMS") to provide fully automated network and capacity management. An AES-256 TRANSEC module, compliant with the FIPS-140-2 NIST standard is also available as an option. All traffic (including overhead and all VMS control traffic) is encrypted when using the TRANSEC module.

DMD2050E – Designed for the U.S. Department of Defense ("DoD") and compliant with a wide range of U.S. government and commercial standards, this modem also offers DoubleTalk® Carrier-in-Carrier® bandwidth compression, which can reduce the DoD's transponder bandwidth requirements by 50%.

CDM-570 – An entry level modem that provides performance and flexibility at a lower price point; it is marketed to users who require connectivity up to 5 Mbps.

Many of our satellite earth station modems are available with customer selectable features including LDPC, DoubleTalk® Carrier-in-Carrier®, VersaFEC® and optional IP modules which can provide advanced features and bandwidth efficiencies. Our satellite earth station equipment and systems also include frequency conversion and amplifier solutions for indoor and outdoor environments. Our products are deployed globally by commercial and government users, supporting a variety of fixed and mobile/transportable applications. We offer new Low Power Outdoor ("LPOD") and High Power Outdoor ("HPOD") amplifiers which feature a versatile chassis, field replaceable supplies and phase combining for higher power.

Our global commercial and government customers are increasingly looking for integrated solutions to meet their operational needs. In recent years we have expanded our product offerings. We offer our customers pre-integrated network management systems which allow them to locally or remotely manage our Advanced VSAT series of network products using a single graphical user interface and which incorporates industry-leading optimization. For instance, in fiscal 2012, we were awarded a contract to deploy our Advanced VSAT solution to Harris CapRock Communications in five of their operational hubs and onboard its maritime customer's vessels. We also offer customers our Vipersat and SkyWire™ managed bandwidth products.

Over-the-Horizon Microwave Equipment and Systems – We design, develop, produce and market over-the-horizon microwave (also known as troposcatter) communications equipment and systems that can readily transmit digitized voice, video and data over unfriendly or inaccessible terrain from 20 to 200 miles by reflecting transmitted signals off of the troposphere, an atmospheric layer located approximately seven miles above the earth's surface. Over-the-horizon microwave communication is a cost-effective, secure alternative to satellite communication as it does not require the leasing of expensive satellite transponder space with its attendant recurring costs. Traditional end-users of our equipment have included the U.S. government and foreign governments and militaries who use our over-the-horizon microwave systems to, among other things, transmit radar tracking, Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance information (also known as "C4ISR") and air defense information as well as connecting remote border locations. Additionally, energy companies use our systems to enable communication links for offshore oil rigs and other remote locations as well as exploration activities. Over the past several years, we have introduced the following digital troposcatter modems:

CS6716 – With speeds up to 16 Mbps, our CS6716 modem includes advanced features such as forward error correction technology and embedded TPC. Our digital troposcatter modem upgrade kit is based on the CS6716 and has been

purchased by the U.S. military to enhance the capability of its AN/TRC-170 digital troposcatter terminals which are used to transmit C4ISR information.

CS6716A – A more advanced 22 Mbps version of the CS6716, incorporating most of the capabilities of the CS67200 modem with the addition of backward compatibility to existing U.S. military troposcatter assets.

CS67200i – Our 22 Mbps digital troposcatter modem is a state-of-the-art modem whose performance, we believe, exceeds any digital troposcatter modem on the market. It is IP-ready and supports Voice over Internet Protocol ("VoIP"), data and video transmission. Under certain conditions, because it has built-in redundancy, it can be configured to reach transmission capacities of up to 40 Mbps. This modem offers a more compact design, lighter weight and 70% less power consumption than our earlier S575 modem. Additionally, its powerful forward error correction capabilities enhance efficiency and its built in transmit power control system monitors and maintains the power of a troposcatter terminal to reduce the possibility of interception and interference.

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Recently, we introduced our Modular Tactical Transmission System ("MTTS"), a high capacity, beyond line of sight modular communications system designed for easy and rapid deployment. The MTTS solution delivers high-throughput capacity to enable mission-critical surveillance, situational awareness and real-time data to remote, infrastructure-challenged locations. Our MTTS allows direct transmission between sites, eliminates recurring costs, and reduces the complexity and delay in satellite communications currently used today. The MTTS solution enhances communications capabilities with seamless compatibility and interoperability with legacy-fielded troposcatter systems used currently by the U.S. military, including the AN/TRC-170. MTTS, the first truly modular, rapidly deployable, transit case-based troposcatter system, represents a major advancement in rapidly deployable troposcatter systems. The MTTS cases are designed to be used in line-of-sight ("LOS"), beyond-line-of-sight ("BLOS") dual diversity, and full over-the-horizon microwave quad diversity applications. The U.S. Army has recently deployed Secret Internet Protocol Router and Non-secure Internet Protocol Router Access Point ("SNAP") Tactical Transportable TROPO ("3T") and deployable communication equipment that incorporates our MTTS systems.

Our telecommunications transmission segment operates our high-volume technology manufacturing center located in Tempe, Arizona which has been utilized by all three of our business segments and, to a much lesser extent, by third-party commercial customers, including prime contractors to the U.S. government, who have outsourced a portion of their manufacturing to us. This allows us to secure volume discounts on key components, better control the quality of our manufacturing process and maximize the utilization of our manufacturing capacity. Accordingly, our telecommunications transmission segment's operating results are impacted positively or negatively by the level of utilization of our high-volume technology manufacturing center. Our telecommunications transmission segment also markets data compression integrated circuits based, in part, on our forward error correction technology.

Business Strategies

Our telecommunications transmission segment business strategies are as follows:

Expand Leadership Position in Satellite Earth Station Market – Our satellite earth station modems, which incorporate leading technologies and standards such as TPC, LDPC, Digital Video Broadcasting Standard 2 ("DVB-S2") and DoubleTalk® Carrier-in-Carrier® bandwidth compression and Adaptive Coding and Modulation ("ACM") have established us as a leading provider to domestic and international commercial satellite systems and network customers, as well as U.S. and foreign governments. A majority of our satellite earth station products have historically been deployed by our customers for use with applications that require a SCPC transmission mode which, in non-technical terms, refers to using satellite bandwidth in a dedicated manner. Because information is being transmitted continuously, the backhauling of wireless and cellular traffic and the broadcasting of HDTV and satellite radio are ideal applications for SCPC-based transmission. Our bandwidth compression technologies allow customers to reduce recurring satellite transponder costs. Thus, we are increasingly developing products to compress and optimize IP-based traffic to provide increased value to our customers and facilitate ongoing and incremental demand for our products. We continue to share forward error correction and licensed technology across all of our branded product lines, and over time, we expect our individual brands to become less distinguishable from each other. We are continuing to market integrated product offerings that include access devices and voice gateways which allow our customers to consolidate multi-service network traffic such as voice, video and data. When combined with our satellite earth station modems, the solution is ideal for backhauling cellular traffic using satellites, which can significantly reduce bandwidth requirements. We expect to continue expanding our leadership position by offering new products and integrated solutions to meet the expected increased demand from commercial, government and defense customers.

Participate in the Anticipated Growth of Wireless and Cellular Backhaul Applications – Our satellite earth station equipment enables mobile cellular network providers to cost-effectively backhaul wireless and cellular traffic from main cities to more remote cities via satellite. We believe that demand for our satellite earth station equipment will

continue to grow for many years because of the important role it plays in facilitating increasing wireless and mobile phone usage, particularly in developing areas of the world such as China, Russia, Latin America, the Middle East and Africa, where fiber or terrestrial-based systems are generally more expensive to deploy. Our marketing in this area focuses on our modems which incorporate DoubleTalk® Carrier-in-Carrier® bandwidth compression.

Continue our Marketing and Sales Efforts to the U.S. Government – Although the U.S. government budget is under extreme spending pressures, we believe that long-term demand by the U.S. government for our equipment will be strong due to a number of factors, including the ever increasing amount of C4ISR information that is being generated. For instance, in fiscal 2012, we were awarded a \$1.8 million contract by the U.S. military for our DMD2050 MIL-STD-188-165A modem, our first order with the U.S. government that includes our DoubleTalk® Carrier-in-Carrier® bandwidth compression technology. The DoubleTalk® Carrier-in-Carrier® technology allows transmit and receive carriers of a duplex link to share the same transponder space, which can reduce bandwidth utilization by 50%. The modems purchased on this contract will be utilized in deployable terminals to support a satellite-based network expansion for battlefield communications.

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Capitalize on Increased Demand for Over-the-Horizon Microwave Systems and Upgrades – We have designed, manufactured and sold over-the-horizon microwave products and systems for approximately forty years and believe we are the leading supplier in this specialized product line. Over-the-horizon microwave systems are sometimes referred to as troposcatter systems and are extremely reliable and secure when compared to satellite-based systems. These products have an extremely long sales cycle due to the complexity of the overall network that they must operate with. Our over-the-horizon microwave systems, which include our patented TPC forward error correction technology, are able to transmit video and other broadband applications at throughput speeds in excess of 20 Mbps (and when deployed in dual-mode, can reach speeds in excess of 40 Mbps). In connection with these large troposcatter system deployments, we offer related equipment and systems to our customers for their network needs. To date, the largest single end-customer for our over-the-horizon microwave systems has been a North African country. In fiscal 2012, we were awarded a \$55.0 million contract to design and furnish a telecommunications system for use in this country's communications network and we expect to record related revenue over the next three years. We believe that, over time, we will be able to obtain additional large contracts to support the U.S. and other militaries. In the past few years, the DoD purchased our 16 Mbps adaptive digital modem upgrade kits to be used on a portion of the DoD's inventory of AN/TRC-170 digital troposcatter terminals. We recently entered into a teaming agreement with TeleCommunication Systems, Inc. to offer the U.S. military a troposcatter system in a transportable flyaway configuration (known as "SNAP-3T") which is capable of providing seamless compatibility and interoperability with legacy-fielded over-the-horizon microwave systems. To date, we have shipped forty-eight of our MTTTS systems for deployment by the U.S. Army in its SNAP-3T communication equipment. As a result of our historical successes in North Africa and with the U.S. DoD in Iraq and Afghanistan, other foreign countries and militaries have shown interest in our over-the-horizon microwave systems technology and we believe the overall market for these products and systems is expanding.

Continue to Develop, License or Acquire Technology for Efficient Bandwidth Utilization – Because we expect long-term demand for satellite bandwidth to increase, we intend to develop, license or acquire technology (including complementary products) to provide affordable bandwidth solutions for our customers. Specifically, we expect to develop next-generation advances of our forward error correction technology and believe this will have important utility in responding to the increasing demand for satellite bandwidth utilization, particularly by the U.S. military, security and intelligence agencies. We intend to continue to enhance our Internet, TDMA and SCPC-based software and products which enable customers to utilize bandwidth management techniques to facilitate, among others, applications such as video teleconferencing, distance learning, telemedicine and Internet content delivery. We have incorporated our licensed DoubleTalk® Carrier-in-Carrier® technology into many of our products and are combining it with other technologies such as VersaFEC®, a next-generation forward error correction technology. In recent years, we have expanded our satellite earth station product offerings and began selling IP encapsulators and media routers, that, when combined with our bandwidth efficient satellite earth station modems, can reduce operating expenses for service providers delivering IP-based broadcast connectivity. We also expect to continue to offer NetPerformer products which combine the functionality of voice gateway and data routers and provide data compression over a single wide area network, thereby enabling our customers to potentially bypass toll costs on public networks. Through our distribution channel, we also continue to market Skywire™ products that combine SCPC-based systems with TDMA-like bandwidth efficiency.

RF Microwave Amplifiers Segment

Overview

We believe we are one of the leading companies designing, developing, manufacturing and marketing satellite earth station traveling wave tube amplifiers ("TWTA") and solid-state, high-power, narrow and broadband amplifiers ("SSPA"). All of our amplifiers reproduce signals with high power and are extremely complex and critical to the performance of the systems into which they are incorporated.

Our TWTA and narrow-band SSPA products can boost the strength of a signal prior to transmission to satellites, which are often more than 22,000 miles from the surface of the earth. Our broadband SSPA products can efficiently increase the power of broadband radio frequency signals with high degrees of clarity to provide for effective jamming and communication power capability required by sophisticated defense programs including those used to counter remote controlled improvised explosive devices.

We sell our amplifiers to domestic and foreign commercial and government users and market our products under a variety of brand names including Comtech XICOM Technology, Comtech PST and Hill Engineering.

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Products, Services and Applications

Our RF microwave amplifiers are generally built-to-order and are used in the following markets and applications:

Broadcast and Broadband Satellite Communication Applications – We offer our customers TWTA products for use in a variety of telecommunications applications used to transmit and amplify signals from satellite earth stations throughout the world. Our amplifiers can provide power levels that are vital to satellite communication applications including traditional broadcast, direct-to-home broadcast, satellite newsgathering and the broadband communications markets, specifically in the emerging High Throughput Satellite systems. Through programs such as the Light Multi-Band Satellite Terminal and Ground Multi-Band Terminal, our amplifiers support high capacity U.S. military satellite systems such as the Wideband Global Satellite Constellation. Our narrow-band SSPA products are a key component in communications systems used to support U.S. special operations forces around the world.

Electronic Warfare and Other Defense Applications – U.S. and foreign military customers use our amplifiers in a variety of telecommunications systems (such as transmitting and boosting signals) and electronic warfare systems (such as simulation, communications, radar, jamming and in identification friend or foe (“IFF”) systems). The U.S. military also uses our amplifiers in systems designed to help protect U.S. troops from radio-controlled roadside bombs. We have delivered thousands of amplifiers and switches in support of the Counter Remote Controlled Improvised Explosive Device Electronic Warfare (“CREW”) Program as well as low rate production and engineering development model amplifiers and switches for the CREW 3.2 and 3.3 programs, respectively. Our amplifiers are also used in the U.S. military's Communications Electronic Attack with Surveillance and Reconnaissance (“CEASAR”) system. CEASAR is a pod-mounted electronic attack system which provides U.S. troops with a “jammer-on-demand” capability. Our TWTA and SSPA amplifiers are used by military customers throughout the world for mobile applications, including those on helicopters and ships and in support of U.S. Special Forces. We believe that the recent focus on mobile and special operations by the U.S. military and heightened homeland security concerns should result in continuing demand for our amplifier products.

Sophisticated Commercial Applications – Our amplifiers are key components in sophisticated commercial applications. For example, our amplifiers are used in oncology treatment systems that allow doctors to give patients, who are suffering from cancer, higher doses of radiation while focusing more closely on the tumors, thereby avoiding damage to healthy tissue. In addition, our amplifiers are used to amplify signals carrying voice, video or data for air-to-satellite-to-ground communications. For example, our amplifiers, when incorporated into an aircraft satellite communication system, can provide passengers with email, Internet access and video conferencing.

Business Strategies

We manage our RF microwave amplifiers segment with the following principal strategies:

Continue to Develop a One-Stop Shopping Approach for RF Microwave Amplifiers – In recent years, we have expanded our product line of RF microwave amplifiers to include both TWTA and SSPA technologies, and today we are one of only a few companies to offer both technologies. We intend to continue this effort and over time, we believe that we can offer customers a one-stop shopping approach by offering a broad range of RF microwave amplifier equipment for use in commercial and government applications. This strategy will include maintaining our internal research and development activities as well as pursuing customer funded research and development to fuel new product development. We expect this emphasis on research and development to enable us to enhance our existing product lines, develop new capabilities and solidify and strengthen our position in our principal markets. In order to fully develop a global one-stop shop approach, we may also seek to expand our product line through acquisitions.

Continue to Penetrate the Market for Outsourced Amplifier Production – Because solid-state, high-power, broadband amplifiers are important to the performance and quality of the larger systems into which they are incorporated, many large systems companies have historically preferred to manufacture these amplifiers in-house. We believe that our focus on and expertise in designing and manufacturing solid-state, high-power, broadband amplifiers, as well as our high-volume manufacturing capability, often makes us a cost-effective and technologically superior alternative to such in-house manufacturing. Some of the companies who have outsourced amplifier production to us include Rockwell Collins, Inc., Thales Group, European Aeronautic Defense and Space Company (“EADS”), Telephonics Corporation, Northrop Grumman Corporation, BAE Systems PLC, Exelis Inc. (formerly part of ITT Corporation) and Raytheon Company.

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Secure Additional Business Related to Next Generation CREW Programs – In the past few years, a significant portion of our sales in our RF microwave amplifiers segment had come from our participation in the CREW 2.1 program. The CREW 2.1 program uses our broadband, solid-state high-power radio signal jamming amplifiers and switches in systems to help protect U.S. troops from the ever-evolving threat of radio-controlled roadside bombs. We expect to ship the remaining CREW 2.1 backlog we had as of July 31, 2012 in early fiscal 2013.

Although the U.S. government budget remains under significant pressure and the U.S. government has initiated and continues to plan on troop withdrawals from Iraq and Afghanistan, we believe the remaining troops, as well as troops deployed in other areas in the future, will ultimately require upgraded systems that will need to be purchased. We expect that the CREW 3.3 program will be the program of choice to address the ongoing threat of improvised explosive devices. We have delivered on design and development contracts from a prime contractor to the U.S. military in support of the CREW 3.3 program and have been selected as the sole source and/or primary amplifier supplier for a variety of different CREW 3.3 amplifier configurations. Although we initially believed CREW 3.3 production would commence in fiscal 2013, for reasons unrelated to our product offerings, we now expect CREW 3.3 sales to begin to ramp up in fiscal 2014.

Continue our Marketing and Sales Efforts in the Defense Market – In addition to the CREW program, we believe there are a number of other long-term opportunities in the defense markets, particularly electronic warfare applications, and that we can increase our share of this market through partnering arrangements with prime contractors. For instance, in fiscal 2011, we received a multi-year award to provide certain of our high-power satellite amplifiers which will be used in a major network expansion for the U.S. Air Force. We believe this award represents a testament to the quality and high reliability of our amplifiers and we intend to seek additional sales in the market.

Continue to Expand our Presence in the Mobile Military Satellite Communications Market – Over the last decade, the military satellite communications (“Milsatcom”) market for mobile systems has increased significantly. While programs we've historically participated in , such as the Lightweight Multi-Band Satellite Terminal (used by the U.S. Air Force, Army and Marines) and Ground Multi-Band Terminal (used by the U.S. Air Force), have now been largely completed, we expect to continue our strong presence in the mobile military communications market by participating in new programs such as the U.S. Army's Warfighter Information Network-Tactical Program (“WIN-T”) and the Family of Terminals program (used by the U.S. Special Operations Command (“SOCOM”)). We intend to increase our focus on these types of programs and believe that we can increase our penetration into both mobile ground and airborne Milsatcom markets.

Mobile Data Communications Segment

Overview

Our mobile data communications segment provides government and commercial customers with integrated solutions to enable global satellite-based communications when mobile, real-time, secure transmission is required.

The vast majority of sales in this segment have historically come from sales relating to two U.S. military programs known as the U.S. Army’s Movement Tracking System (“MTS”) program and the Force XXI Battle Command, Brigade and Below (“FBCB2”) command and control system's Blue Force Tracking (“BFT-1”) program. Our combined MTS and BFT-1 sales for fiscal 2010 through 2012 were as follows:

Net Sales (in millions)	Percentage of Mobile Data Communications Segment Net Sales	Percentage of Consolidated Net Sales
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2012	\$87.8	78.0	% 20.6	%
2011	248.6	86.2	% 40.6	%
2010	423.2	94.8	% 54.4	%

We have supplied mobile satellite transceivers, vehicle and command center application software, third-party produced ruggedized computers and satellite earth station network gateways and associated installation, training and maintenance to the MTS program which now operates under the auspices of the BFT-1 program under the direction of the FBCB2-BFT program office. Our MTS-related services also included the monitoring of satellite packet data networks.

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In July 2010, a third party vendor was selected by the U.S. Army to develop a next generation BFT program known as BFT-2. The U.S. Army has stated that it expects to transition to BFT-2 as quickly as possible. We expect that future MTS and BFT-1 orders and related sales will largely be dependent on the ability and speed of the U.S. Army to transition to the BFT-2 system.

Products, Services and Applications

Our mobile data satellite transceivers and related proprietary technology have been installed on a variety of U.S. military vehicles (both logistics-centric and war-fighter-centric) including: Abrams tanks, Bradley Fighting Vehicles, helicopters such as the Apache, Black Hawk and Chinook and High Mobility Multipurpose Wheeled Vehicles ("HMMWV"). When equipped with this technology, soldiers operating these vehicles are able to be continually tracked and, at the same time, are able to maintain communications with a command center as well as fellow soldiers in the field. Our extremely reliable proprietary network service employs full end-to-end path redundancy as well as back-up capability in the event of a major catastrophe or service interruption, and we can maintain and/or operate a 24 x 7 network operations and customer care center that provides customers with ongoing support any time, day and night.

Our mobile data satellite transceiver products and related proprietary technology can also be used to facilitate communications in the event that natural disasters or other situations, such as a terrorist attack, disable or limit existing terrestrial communications. In the past, the Army National Guard has purchased our mobile data communication products to better prepare for and react to disaster recovery operations at the local, state and national levels.

Our Sensor Enabled Notification System ("SENS") technology-based solutions offer customers a low-cost, spread-spectrum technology-based system which can remotely track a large number of remote assets via low earth-orbit satellites and miniaturized satellite transmitters. The information received is processed and distributed to users through an Internet Portal at www.assetview.comtechmobile.com. Messages can be retrieved via several methods including the Internet, email, voice or fax and can be forwarded to a user-designated site. Our SENS technology is integrated with a variety of mapping solutions and can provide our customers with features such as geo-fencing which allows customers to track whether or not their assets or vehicles stay within pre-defined boundaries.

Our geoOps™ Enterprise Location Management System ("geoOps™") is a configurable network and web-based software platform that provides an integrated capability to command, control and manage mobile ground vehicles. Our geoOps™ software baseline is incorporated into the North Atlantic Treaty Organization's ("NATO") International Security Assistance Force Tracking System ("NATO IFTS"), a multi-national satellite-based friendly force tracking system.

BFT-1 Sustainment Activities

We are currently providing BFT-1 sustainment services pursuant to a three-year indefinite delivery/indefinite quantity ("IDIQ") BFT-1 sustainment contract that we were awarded in March 2012. This three-year contract has a not-to-exceed value of \$80.7 million and a base performance period that began April 1, 2012 and ends March 31, 2013. The contract provides for two twelve-month option periods exercisable by the U.S. Army and, except for a fixed annual intellectual property license ("IP license") fee of \$10.0 million, the three-year \$80.7 million contract value is subject to finalization and downward negotiation. Effective July 1, 2012, we are no longer procuring satellite bandwidth for the U.S. Army.

Under the terms of the BFT-1 sustainment contract, we agreed to perform certain satellite network and related engineering services (including program management) on a cost-plus-fixed-fee basis. In addition, the contract allows the U.S. Army to purchase certain mobile satellite transceivers on a firm fixed-price basis. Specific terms and

conditions related to the IP license are covered by a separate licensing agreement that provides for annual renewals, at the U.S. Army's option, for up to a five-year period, after which time the U.S. Army will have a limited non-exclusive right to use certain of our IP for no additional IP licensing fee. Payments of annual IP license fees beyond the base year are contingent upon the U.S. Army's exercise of optional performance periods.

In connection with the initial three-year \$80.7 million IDIQ BFT-1 sustainment contract award, we received a funded order for the initial base year of \$17.0 million, of which \$10.0 million was designated for payment of the first year IP license fee and \$7.0 million was designated for engineering services, program management and satellite network operations. Pricing for the engineering services, program management and satellite network operations has not yet been finalized and it is possible that we can receive incremental funding of up to \$8.6 million upon finalization.

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Our BFT-1 sustainment contract can be terminated by the government at any time and is not subject to automatic renewal. Except for orders received to date, the U.S. Army is not obligated to purchase any additional equipment or services under this IDIQ contract. We believe that any future MTS and BFT-1 orders and related sales will largely be dependent on the ability and speed of the U.S. Army to transition to the BFT-2 system and we expect future annual sales (and related operating income) from both of these programs to materially decline from current levels.

Business Strategies

Although we expect materially lower annual BFT-1 and MTS revenues in future years and have discontinued sales of our microsatellite products (which, in fiscal 2012 accounted for \$17.7 million or 4.2% of consolidated net sales), we are focusing on long-term growth opportunities and will:

Work Cooperatively with the U.S. Army to Support Its Planned Transition to BFT-2 – We believe that the reliable and effective performance of our MTS and BFT-1 solutions has demonstrated to the U.S. Army the value of our mobile, global satellite-based communications network when near real-time, secure transmissions are required. Although we do not have specific visibility into the U.S. Army’s BFT-2 transition plan, the U.S. Army has indicated to us that it may require certain sustaining network engineering related services and our intellectual property for several years. We intend to support the U.S. Army through our existing three-year BFT-1 contract.

Leverage our Current Installed Base into Other Military Commands and the Civil Government Market – In the past, we have demonstrated that there are a number of opportunities for us to market our products and solutions to other military commands, both in the U.S. and internationally. For example, the Army National Guard has received funding in the past to purchase our products and services. Our geoOps™ software platform has also been incorporated into NATO’s IFTS, a satellite-based friendly force tracking system. We currently provide mobile tracking solutions to the U.S. Department of State and U.S. Department of Homeland Security. During fiscal 2013, we intend to invest modest amounts in research and development and sales and marketing to develop and market new solutions in a methodical way and target them to those potential customers whose needs would be well met by our technology offerings. We do not, however, expect a significant amount of sales in new markets or to new customers in fiscal 2013.

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Summary of Key Products, Systems and Services by Business Segment

Business Segment	Products/Systems and Services	Representative Customers	End-User Applications
Telecommunications transmission	Satellite earth station equipment and systems including: modems, frequency converters, power amplifiers, transceivers, access devices, voice gateways and network management systems	Satellite systems integrators, wireless and other communication service providers, broadcasters and defense contractors as well as U.S. and foreign governments. End-customers include AT&T Inc., BT Group plc., China Mobile Limited, Embratel Participações S.A., Harris Corporation, Intelsat, Ltd., Globecomm Systems, Inc., L-3 Communications and Rockwell Collins, Inc.	Commercial and defense applications including the transmission of voice, video and data over the Internet, broadband, long distance telephone, broadcast (including high-definition television) and cable, distance learning and telemedicine
	Over-the-horizon microwave systems and adaptive modems	U.S. government customers, foreign governments such as Middle Eastern and North African customers and related prime contractors, systems integrators, as well as oil companies such as Shell Oil Company	Secure defense applications, such as transmission of U.S. military digital voice and data, modular tactical transmission systems ("MTTS") which have been incorporated into the U.S. military's SNAP communication equipment, and commercial applications such as the transmission of IP-based communications to and from oil platforms
RF microwave amplifiers	Traveling wave tube amplifiers and solid-state amplifiers	Domestic and international defense customers, prime contractors and system suppliers such as L-3 Communications, Harris Corporation, General Dynamics Corporation, ViaSat Inc. and satellite broadcasters such as The DIRECTV Group and EchoStar Corporation	Satellite broadcast and broadband satellite communications and defense applications

	<p>Solid-state, high-power, broadband RF microwave amplifiers</p>	<p>Domestic and international defense customers, prime contractors and system suppliers such as Raytheon Company, Exelis Inc., EADS and Thales Group, medical equipment companies such as Varian Medical Systems, Inc., and aviation industry system integrators such as Rockwell Collins, Inc.</p>	<p>Defense applications including communications, radar, jamming and IFF and commercial applications such as medical applications (oncology treatment systems) and satellite communications (including air-to-satellite-to-ground communications)</p>
<p>Mobile data communications</p>	<p>Mobile satellite transceivers, satellite network services, installation, training and maintenance and SENS technology-based products</p>	<p>U.S. Army logistics community, the U.S. Army war-fighter community, foreign governments, and prime contractors to the U.S. Armed Forces, NATO and commercial customers</p>	<p>Two-way satellite-based mobile tracking, messaging services (U.S. Army's MTS), battlefield command and control applications (BFT-1) and RFID applications</p>

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Acquisitions

We have made acquisitions of businesses and enabling technologies over the past several years and have followed a disciplined approach in identifying, executing and capitalizing on these acquisitions.

On August 1, 2008 (the beginning of our fiscal 2009), we acquired Radyne, the largest acquisition in our history which we believe strengthened our leadership position in our satellite earth station product lines in our telecommunications transmission segment, more than doubled the size of our RF microwave amplifiers segment and further diversified our overall global customer base and expanded our addressable markets.

None of our other recent tactical and product line acquisitions, either individually, or in the aggregate, were material to our results of operations and the effects of those acquisitions, either individually, or in the aggregate, were not material to our historical consolidated financial statements.

Sales, Marketing and Customer Support

Sales and marketing strategies vary with particular markets served and include direct sales through sales, marketing and engineering personnel and indirect sales through independent representatives, value-added resellers or a combination of the foregoing. We devote time to evaluating and responding to requests for proposals by governmental agencies around the world, and as needed, we employ the use of specialized consultants to develop our proposals and bids.

We intend to continue to expand international marketing efforts by engaging additional independent sales representatives, distributors and value-added resellers and by establishing additional foreign sales offices.

Our management, technical and marketing personnel establish and maintain relationships with customers. Our strategy includes a commitment to provide ongoing customer support for our systems and equipment. This support involves providing direct access to engineering staff or trained technical representatives to resolve technical or operational issues. As appropriate and as guided by corporate senior management, our three business segments capitalize on manufacturing, technology, sales, marketing and customer support synergies between them.

Our over-the-horizon microwave systems, amplifier product lines, satellite earth station products and mobile data communications products and services that use relatively new technology have long sales cycles. Once a product is designed into a system, customers may be reluctant to change the incumbent supplier due to the extensive qualification process and potential redesign required in using alternative sources. Accordingly, management is actively involved in key aspects of relations with our major customers.

Sales by geography and customer type, as a percentage of consolidated net sales, are as follows:

	Fiscal Years Ended July 31,			
	2012	2011	2010	
United States				
U.S. government	48.9	% 61.7	% 71.1	%
Commercial customers	12.4	% 8.1	% 6.0	%
Total United States	61.3	% 69.8	% 77.1	%
International	38.7	% 30.2	% 22.9	%

Sales to U.S. government customers include sales to the DoD and intelligence and civilian agencies, as well as sales directly to or through prime contractors. International sales for fiscal 2012, 2011 and 2010, which include sales to U.S. domestic companies for inclusion in products that will be sold to international customers, were \$164.5 million, \$184.8 million and \$178.5 million, respectively. When we sell internationally, we primarily price our contracts in U.S. dollars. Some of our exports are paid for by letters of credit, with the balance carried either on an open account or on an installment note basis. Significant international contracts generally require us to provide performance guarantees. For fiscal 2012, 2011 and 2010, except for sales to the U.S. government which include sales to prime contractors of the U.S. government, no other customer or individual country, including sales to U.S. domestic companies for inclusion in products that will be sold to a foreign country, represented more than 10% of consolidated net sales.

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Backlog

Our backlog as of July 31, 2012 and 2011 was \$153.9 million and \$145.0 million, respectively. Included in these amounts, as of July 31, 2012 and 2011, is approximately \$16.6 million and \$38.9 million, respectively, related to our BFT-1 sustainment activities. We expect that a majority of the backlog as of July 31, 2012 will be recognized as sales during fiscal 2013.

At July 31, 2012, 36.2% of the backlog consisted of U.S. government contracts, subcontracts and government funded programs, 53.0% consisted of orders for use by international customers (including sales to U.S. companies for inclusion in products that will be sold to international customers) and 10.8% consisted of orders for use by U.S. commercial customers.

Our backlog consists solely of orders that we believe to be firm; however, almost all of the contracts in our backlog are subject to cancellation at the convenience of the customer or for default in the event that we are unable to perform under the contract. Backlog that is derived from U.S. government orders relates to U.S. government contracts that have been awarded, signed and funded. Backlog for our U.S. government customers includes amounts appropriated by Congress and allotted to the contract by the procuring government agency. Our backlog does not include the value of options that may be exercised in the future on multi-year contracts, nor does it include the value of additional purchase orders that we may receive under IDIQ contracts or basic ordering agreements.

In fiscal 2012, 86.2% of our consolidated U.S. government net sales were derived from firm fixed-price contracts. Under these types of contracts, we perform for an agreed-upon price and we can derive benefits from cost savings, but bear the risk of cost overruns. Our cost-plus-fixed-fee contracts, which to date have not been a significant percentage of our consolidated net sales, typically provide for reimbursement of allowable costs incurred plus a negotiated fee.

Variations in backlog from time to time are attributable, in part, to changes in product mix, the timing of contract proposals, and the timing of contract awards and delivery schedules on specific contracts. Our satellite earth station equipment and our traveling wave tube amplifier product lines operate under short lead times and usually generate sales out of inventory. Our mobile data communications backlog is highly influenced by the nature and timing of orders received from the U.S. government which is subject to unpredictable funding, deployment and technology decisions. As a result, we believe our backlog at any point in the fiscal year is not necessarily indicative of the total sales anticipated for any particular future period.

Manufacturing and Service

Our manufacturing operations consist principally of the assembly and testing of electronic products that we design and build from purchased fabricated parts, printed circuits and electronic components.

We operate a high-volume technology manufacturing center located in Tempe, Arizona, which has been utilized by all three of our business segments for certain high-volume production. Use of our high-volume technology manufacturing center allows us to secure volume discounts on key components, better control the quality of our manufacturing process and maximize the utilization of our manufacturing capacity.

We consider our facilities to be well maintained and adequate for current and planned production requirements. All of our manufacturing facilities, including those that serve the military market, must comply with stringent customer specifications. We employ formal quality management programs and other training programs, including the International Standard Organization's ("ISO's") quality procedure registration programs.

Our ability to deliver products to customers on a timely basis is dependent, in part, upon the availability and timely delivery by subcontractors and suppliers (including the U.S. government) of the components and subsystems that we use in manufacturing our products. Electronic components and raw materials used in our products are generally obtained from independent suppliers. Some components are standard items and are available from a number of suppliers. Others are manufactured to our specifications by subcontractors. Although we obtain certain components and subsystems from a single source or a limited number of sources, we believe that most components and equipment are available from multiple sources. Certain U.S. government contracts may require us to incorporate government furnished parts into our products. Delays in receipt of such parts can adversely impact the timing of our performance on the related contracts.

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Research and Development

We reported research and development expenses for financial reporting purposes of \$38.5 million, \$43.5 million and \$46.2 million in fiscal 2012, 2011 and 2010, respectively, representing 9.1%, 7.1% and 5.9% of total consolidated net sales, respectively, for these periods. A portion of our research and development efforts relate to the adaptation of our basic technology to specialized customer requirements and is recoverable under contracts, and such expenditures are not reflected in our research and development expenses for financial reporting purposes, but are included in net sales with the related costs included in cost of sales. During fiscal 2012, 2011 and 2010, we were reimbursed by customers for such activities in the amounts of \$5.7 million, \$10.7 million and \$12.6 million, respectively.

Our aggregate research and development expenditures (internal and customer funded) were \$44.2 million, \$54.2 million and \$58.8 million or 10.4%, 8.9% and 7.6% of total consolidated net sales in fiscal 2012, 2011 and 2010, respectively.

Intellectual Property

We rely upon trade secrets, technical know-how and continuing technological innovation to develop and maintain our competitive position. The products we sell require significant engineering design and manufacturing expertise. The majority of these technological capabilities, however, are not protected by patents and licenses. We rely on the expertise of our employees and our learned experiences in both the design and manufacture of our products and the delivery of our services.

Some of our key telecommunications transmission technology is protected by patents, which are significant to protecting our proprietary technology. We have been issued several U.S. patents relating to forward error correction technology that is utilized in our TPC-enabled satellite modems. Due to our market leadership position, we do not expect that upon expiration of these patents, our future results will be negatively impacted. Our DoubleTalk® Carrier-in-Carrier® bandwidth compression technology is licensed by us from a third party.

Almost all of the products and services we sell to the U.S. government include technology and other technical know-how that we have internally developed. Historically, almost all of our U.S. government contracts have not provided for government-purpose rights which generally include the right to permit other companies, including our competitors, to use our technology to develop products for the U.S. government.

In past instances where we have provided government-purpose rights, to our knowledge, the U.S. government has not exercised any of these rights. To the extent that we have provided or will provide government-purpose rights in the future, we believe that given the rapidly changing nature of our technology, our future success will depend primarily on the technical competence and creative skill of our personnel, rather than any contractual protection.

Competition

Our businesses are highly competitive and are characterized by rapid technological change. Some of our competitors are substantially larger, have significantly greater financial, marketing, research and development, technological and operating resources and broader product lines than us. A significant technological breakthrough by others, including new companies, our existing competitors and our customers, could have a material adverse effect on our business. Our growth and financial condition depends on, among other things, our ability to keep pace with such changes and developments and to respond to the increasing variety of electronic equipment users and transmission technologies.

Some large defense-based companies such as Raytheon Company and Northrop Grumman Corporation have subsidiaries or divisions that compete against us in one or more business segments. In addition, new and potential

competitors are always emerging. Certain of our customers, such as prime contractors who currently outsource their engineering and manufacturing requirements to us, have technological capabilities in our product areas and could choose to replace our products with their own. In some cases, we partner or team with companies (both large and mid-tier) to compete against other teams for large defense programs. In some cases, these same companies may be competitors.

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Listed, in alphabetical order below, are some of our competitors in each of our three business segments:

Telecommunications transmission – Advantech AMT, Datum Systems, Inc., Gilat Satellite Networks Ltd., Harris Corporation, iDirect, Inc., Paradise Datacom LLC (a subsidiary of Teledyne Corporation), Telefonaktiebolaget LM Ericsson and ViaSat, Inc.

RF microwave amplifiers – Aethercomm, Inc., CPI International, Inc., E2V Technologies Ltd., Empower RF Systems, Inc., Herley Industries, Inc. (a subsidiary of Kratos Defense & Security Solutions, Inc.) and Miteq, Inc.

Mobile data communications – Alico Systems, Inc., Globalstar, Inc., Northrop Grumman Corporation, Orbital Sciences Corporation, Qualcomm, Inc. and ViaSat, Inc.

We believe that competition in all of our markets is based primarily on technology innovation, product performance, reputation, delivery times, customer support and price. Due to our flexible organizational structure and proprietary know-how, we believe we have the ability to develop, produce and deliver products on a cost-effective basis faster than many of our competitors.

Employees

At July 31, 2012, we had 1,244 employees (including temporary employees and contractors), 592 of whom were engaged in production and production support, 381 in research and development and other engineering support and 271 in marketing and administrative functions. Through the date of this filing, we have reduced our workforce by approximately 76 employees, due to cost reduction actions that we took, including the wind-down of our mobile data communications segment's microsatellite product line.

None of our U.S. based employees are represented by a labor union. We believe that our employee relations are good.

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U.S. Government Contracts and Security Clearances

The U.S. government operates on an October-to-September fiscal year. Generally, in February of each year, the President of the United States presents to the U.S. Congress (“Congress”) the proposed budget for the upcoming fiscal year and from February through September of each year, the appropriations and authorization committees of Congress review the President’s budget proposals and establish the funding levels for the upcoming fiscal year. Once these levels are enacted into law, the Executive Office of the President administers the funds to the agencies. Thereafter, we can receive orders pursuant to sole-source or competitively awarded contracts.

The U.S. government may be unable to complete its budget process before the end of any given government fiscal year and when the fiscal budget is not approved in a timely manner, the U.S. government is required either to shut down or be funded pursuant to a “continuing resolution” that authorizes agencies of the U.S. government to continue operations but does not authorize new spending initiatives, either of which could result in reduced or delayed orders or payments for products and services we provide. If the U.S. government budget process results in a shutdown or prolonged operation under a continuing resolution, it may have a material adverse effect on our business, operating results or financial condition.

Sole-source contracts are generally awarded to a single contractor without a formal competition when a single contractor is deemed to have an expertise or technology superior to that of competing contractors or when there is an urgent need by the U.S. government that cannot wait for a full competitive process. Potential suppliers compete informally through research and development and marketing efforts. Competitively-bid contracts are awarded based on a formal proposal evaluation established by the procuring agency and interested contractors prepare a bid. Competitively-bid contracts are awarded after a formal bid and proposal competition among suppliers.

The U.S. government has a stated policy direction to reduce the number of sole-source contract awards across all procuring agencies. In addition, the U.S. government is increasing the use of a strategy to award multiple-award IDIQ contracts to increase their procurement options. IDIQ contracts allow the U.S. government to select a group of eligible contractors for the same program. When the government awards IDIQ contracts to multiple bidders under the same program, a company must compete to be selected as a participant in the program and subsequently compete for individual delivery orders. As a result of the aforementioned changes, although we expect competition for all future U.S. government contracts to increase, at the same time, we may be able to participate in other program areas that we do not currently participate in.

As a U.S. government contractor and subcontractor, we are subject to a variety of rules and regulations, such as the Federal Acquisition Regulations (“FAR”). Individual agencies can also have acquisition regulations. For example, the Department of Defense implements the FAR through the Defense Federal Acquisition Regulation supplement (commonly known as DFARs). For all federal government entities, the FAR regulates the phases of any product or service acquisition, including: acquisition planning, competition requirements, contractor qualifications, protection of source selection and vendor information, and acquisition procedures. In addition, the FAR addresses the allowability of our costs, while Cost Accounting Standards address how those costs can be allocated to contracts. The FAR also subjects us to audits and other government reviews. These reviews cover issues such as cost, performance and accounting practices relating to our contracts. The government may challenge our costs and fees. We are also required to comply with the National Industrial Security Program Operating Manual (“NISPOM”) which relates to rules and requirements regarding classified materials and programs. If we do not comply with the various regulations, we may lose and/or be ineligible for facility security clearances and/or classified programs.

Regulatory Matters

In addition to the rules and regulations that pertain to us as a U.S. government contractor and subcontractor, we are also subject to a variety of local, state and federal governmental regulations. Our products that are incorporated into wireless communications systems must comply with various governmental regulations, including those of the Federal Communications Commission (“FCC”). Our manufacturing facilities, which may store, handle, emit, generate and dispose of hazardous substances that are used in the manufacture of our products, are subject to a variety of local, state and federal regulations, including those issued by the Environmental Protection Agency. Our financial reporting, corporate governance, public disclosure and compliance practices are governed by laws such as the Sarbanes-Oxley Act of 2002 and rules and regulations issued by the Securities and Exchange Commission (“SEC”). In addition, we are subject to European Union (“EU”) directives related to the recycling of electrical and electronic equipment. Our international sales are subject to U.S. and foreign regulations such as the International Traffic in Arms Regulations (“ITAR”) and Export Administration Regulations (“EAR”) and may require licenses from U.S. government agencies, including the payment of certain tariffs. Our ability to export in the future is dependent upon our ability to obtain the export authorization from the appropriate U.S. government agency. If we are unable to receive the appropriate export authorization, we may be prohibited from selling our products and services internationally which may limit our sales and may have a material adverse effect on our business, results of operations and financial condition.

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ITEM 1A. RISK FACTORS

Forward-Looking Statements

This Form 10-K contains “forward-looking statements” including statements concerning the future of our industry, product development, business strategy, continued acceptance of our products, market growth, and dependence on significant customers. These statements can be identified by the use of forward-looking terminology such as “may,” “will,” “should,” “could,” “would,” “expect,” “plan,” “anticipate,” “believe,” “estimate,” “predict,” “potential,” “continue,” the terms, or other similar words or comparable terminology. All statements in this report, other than statements of historical fact, are forward-looking information. When considering forward-looking statements, you should keep in mind the risk factors and other cautionary statements in this Form 10-K. However, the risks described in this Form 10-K are not the only risks that we face. Additional risks and uncertainties, not currently known to us or that do not currently appear to be material, may also materially adversely affect our business, financial condition and/or operating results in the future. The risk factors noted below and other factors noted throughout this Form 10-K could cause our business outlook, actual financial condition or results to differ significantly from those contained in any forward-looking statement.

The continued effects of the adverse global economic climate could have a material adverse impact on our business outlook, our business, operating results and financial condition.

We participate in the global commercial and government communications markets, which are characterized by rapid technological advances and constant changes. For the past several years, our customers and the end-markets that we serve have been significantly impacted by adverse global economic conditions. The impact, severity and duration of these conditions are impossible to predict with precision. These conditions have already resulted in: (i) changes to our commercial and government customers’ historical spending priorities, (ii) reduced military budgets, and (iii) extreme pressures on government budgets throughout the world. In addition to operating in a difficult global economic environment, some of our end customers are located in emerging countries that are currently undergoing sweeping political changes. Global international monetary issues and concerns continue to be unsettled and it is possible that a worldwide credit crisis could occur. We believe that the aggregation of these conditions has resulted in the current suppression of end-market demand for many of the products that we sell and services that we provide. Although we believe that we will ultimately experience long-term growth, these adverse conditions could last for many years.

We believe that nearly all of our customers will continue to face capital and operating budget constraints and a much tighter credit environment. None of our three operating segments have been immune to these adverse conditions and each continues to face an uncertain economic environment. These adverse conditions have impacted, and may continue to impact, our businesses in a number of ways, including:

Difficulty in forecasting our results of operations – It is difficult to accurately forecast our results of operations as we cannot predict the severity, or the duration, of the current adverse economic environment or the impact it will have on our current and prospective customers. If our current or prospective customers materially postpone, reduce or even forgo purchases of our products and services to a greater extent than we anticipate, our business outlook will prove to be inaccurate.

Additional reductions in telecommunications equipment and systems spending may occur – Our businesses have been negatively affected, both currently and in the past, by uncertain economic environments both in the overall market and, more specifically, in the telecommunications sector. Our customers have reduced their budgets for spending on telecommunications equipment and systems and in some cases postponed or reduced the purchase of our products and systems. These reductions have impacted all three of our business segments. The overall business environment remains challenging. As a result of the ongoing difficult global economic environment, our customers may further reduce their spending on telecommunications equipment and systems which would negatively impact all three of our

business segments. If this occurs, it would adversely affect our business outlook, revenues, profitability and the recoverability of our assets, including intangible assets such as goodwill.

Our customers may not be able to obtain financing – Although many of our products are relatively inexpensive when compared to the total systems or networks that they are incorporated into, our sales are affected by our customers' ability to obtain the sufficient financing they may require to build out their networks, fund operations and ultimately make purchases from us. Our customers' inability to obtain sufficient financing would adversely affect our revenues. In addition, if the current economic environment and lack of financing results in insolvencies for our customers, it would adversely impact the recoverability of our accounts receivable which would, in turn, adversely impact our results of operations.

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Our ability to maintain affordable credit insurance may become more difficult – In the normal course of our business, we purchase credit insurance to mitigate some of our domestic and international credit risk. Although credit insurance remains generally available, upon renewal, it may become more expensive to obtain and might require higher deductibles than in the past. There can be no assurance that, in the future, we will be able to obtain adequate credit insurance consistent with our past practices.

Our 2013 business outlook and operating results are difficult to forecast, as operating results are subject to significant fluctuations and are likely to be volatile.

We have experienced, and will experience in the future, significant fluctuations in new orders, net sales and operating results, including our net income and earnings per share from period-to-period. For instance, a large portion of our telecommunications transmission and RF microwave amplifiers segments' net sales are derived from products such as satellite earth station equipment and satellite earth station traveling wave tube amplifiers, respectively, that generally have short-lead times. As a result, bookings and backlog related to these products are extremely sensitive to short-term fluctuations in customer demand. The remaining portion of our telecommunications transmission and our RF microwave amplifiers segments' net sales are generally derived from large contracts or military program opportunities that are subject to lengthy sales cycles and therefore difficult to predict. As discussed elsewhere in this Form 10-K, our mobile data communications segment is expected to experience a material decline in revenues and related operating income in fiscal 2013 as compared to fiscal 2012.

Our new orders, net sales and operating results, including our net income and earnings per share, may vary significantly from period-to-period because of other factors including: the financial performance of acquisitions; new accounting standards relating to acquisitions and revenue recognition; product mix sold; fluctuating market demand; price competition; new product introductions by our competitors; fluctuations in foreign currency exchange rates; unexpected changes in the timing of delivery of components or subsystems; political instability; regulatory developments; changes in income tax rates or tax credits; the price and expected volatility of our stock (which will impact, among other items, the amount of stock-based compensation expense we may record); and general global economic conditions.

Changes in government policy could have a material adverse effect on us.

In past years, we benefited from increased Department of Defense (“DoD”) spending relating to the ongoing military conflicts in Iraq and Afghanistan. This trend is not expected to continue. We believe the U.S. government policies related to troop withdrawals and reductions in Iraq and Afghanistan will result in a reduction of future orders for our products and services. Historical spending patterns, for the types of communication products that we sell, are therefore not meaningful when estimating future product demand. These policies or future changes in these or other policies or priorities could have a negative impact on our business and results of operations. A shifting political environment makes it more difficult than usual to estimate our future income and expenses. The future direction of the political environment, including potential changes in policies relating to the ongoing military conflict in Afghanistan, could have a material adverse effect on our business, results of operations and financial condition.

Our business, results of operations, liquidity and financial condition depend on our ability to obtain future business with the U.S. government.

In past years, our business has depended, in large part, on U.S. government business. Our sales to the U.S. government (including sales to prime contractors to the U.S. government) accounted for approximately 48.9%, 61.7%, and 71.1% of our consolidated net sales for the fiscal years ended July 31, 2012, 2011 and 2010, respectively. Approximately 36.2% of our backlog at July 31, 2012 consisted of orders from U.S. government contracts, U.S. government subcontracts and U.S. government funded programs. Our U.S. government business exposes us to various risks,

including:

- unexpected contract or project terminations or suspensions;

- unpredictable order placements, reductions, delays or cancellations;

- reductions in government funds available for our projects due to government policy changes, budget cuts and other spending priorities;

- higher than expected final costs, particularly relating to software and hardware development, for work performed under contracts where we commit to specified deliveries for a fixed price; and

- unpredictable cash collections of unbilled receivables that may be subject to acceptance of contract deliverables by the customer and contract close out procedures, including government audit and approval of final indirect rates.

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All of our U.S. government contracts can be terminated by the U.S. government for its convenience. Termination for convenience provisions provide only for our recovery of costs incurred or costs committed, settlement expenses and profit on work completed prior to termination. In addition to the U.S. government's right to terminate, U.S. government contracts are conditioned upon the continuing approval by Congress of the necessary funding. Congress usually appropriates funds for a given program on a fiscal year basis even though contract performance may take more than one year. Consequently, at the beginning of a major program, the contract may not be fully funded, and additional monies are normally committed to the contract only if, and when, appropriations are made by Congress for future fiscal years.

Delays or changes in funding can impact the timing of awards or lead to changes in program content. Also, we obtain certain of our U.S. government contracts through a competitive bidding process. There can be no assurance that we will win additional contracts or that actual contracts that are awarded will ultimately be profitable.

The outcome of ongoing U.S. government investigations are difficult to predict.

In June 2012, certain officers and employees of the Company received subpoenas issued by the United States District Court for the Eastern District of New York ("EDNY") seeking certain documents and records relating to our Chief Executive Officer ("CEO"). Although the EDNY subpoenas make no specific allegations, we believe the subpoenas relate to a grand jury investigation stemming from our CEO's contacts with a scientific attaché to the Israeli Purchasing Mission in the United States who our CEO met in connection with the sale of our equipment to the State of Israel during the 1980's. This scientific attaché was later alleged to have conducted intelligence operations in the U.S. In August 2012, we were informed by the U.S. government that our CEO's security clearance was suspended. In order to maintain our qualification for government contracts requiring facility security clearance, we have made certain internal organizational realignments. These changes restrict access to classified information to other Comtech senior executives, management and other employees who maintain the required level of clearance.

Separately, in connection with an investigation by the Securities and Exchange Commission ("SEC") into trading in securities of CPI International, Inc. ("CPI"), we and our CEO, among others, have received subpoenas for documents from the SEC concerning transactions in CPI stock by our CEO and other persons (including one subsidiary employee). Our CEO purchased CPI stock in November 2010, after the September 2010 termination of our May 2010 agreement to acquire CPI.

We and our CEO are cooperating with the U.S. government regarding the above matters. The independent members of our Board of Directors are monitoring these matters with the assistance of independent counsel.

The outcome of any investigation is inherently difficult, if not impossible, to predict. However, based on our work to date in respect of the subpoenas in each matter, we do not believe that it is likely that either investigation will result in a legal proceeding against our CEO or the Company. If either of these investigations results in a legal proceeding, it could have a material adverse effect on our business and results of operations.

Government contract audits could have an adverse financial impact on us.

All of our U.S. government contracts can be audited by the Defense Contract Audit Agency ("DCAA") and we can be subject to penalties arising from post-award contract audits or cost audits in which the value of our contracts may be reduced. As discussed in "Notes to Consolidated Financial Statements - Note (14)(b) Legal Proceedings and Other Matters" included in "Part II - Item 8. - Financial Statements and Supplementary Data," in May 2011, we were informed by the DCAA that it selected our BFT-1 contract for a post-award audit. We had previously been informed that the DCAA would issue its report by September 2012. The DCAA has not yet rendered its report and we do not currently know the timing of the issuance of this report. Through July 31, 2012, we received \$377.0 million in total funded

orders under our \$384.0 million BFT-1 contract that expired December 31, 2011. Ultimately, if the DCAA issues a report and the U.S. government determines that a cost or price adjustment for our BFT-1 contract is appropriate, we may be required to refund certain monies to the U.S. government, with interest. These amounts could have a material adverse effect on our results of operations and financial condition.

We could be negatively impacted by a security breach, through cyber-attack, cyber intrusion or otherwise, other significant disruption of our IT networks and related systems or of those we operate for certain customers.

We face the risk of a security breach, whether through cyber-attack or cyber intrusion via the Internet, malware, computer viruses, attachments to e-mails, or other significant disruption of our IT networks and related systems. Our IT network and systems are constantly under attack and we face an added risk of a security breach or other significant disruption of the IT networks and related systems that we operate and maintain for certain of our customers, which may involve managing and protecting information relating to national security and other sensitive government functions. Our customers' systems are also frequently under attack.

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The risk of a security breach or disruption, particularly through cyber-attack or cyber intrusion, including by computer hackers, foreign governments and cyber terrorists, has increased as the number, intensity and sophistication of attempted attacks and intrusions from around the world have increased.

As a communications company, and particularly as a government contractor, we face a heightened risk of a security breach or disruption from threats to gain unauthorized access to our and our customers' proprietary or classified information on our IT networks and related systems and to the IT networks and related systems that we operate and maintain for certain of our customers. These types of information and IT networks and related systems are critical to the operation of our business and essential to our ability to perform day-to-day operations, and, in some cases, are critical to the operations of certain of our customers. Although we make significant efforts to maintain the security and integrity of these types of information and IT networks and related systems, and we have implemented various measures to manage the risk of a security breach or disruption, there can be no assurance that our security efforts and measures will be effective or that attempted security breaches or disruptions would not be successful or damaging. Even the most well protected information, networks, systems and facilities remain potentially vulnerable because attempted security breaches, particularly cyber-attacks and intrusions, or disruptions will occur in the future, and because the techniques used in such attempts are constantly evolving and generally are not recognized until launched against a target, and in some cases are designed not to be detected and, in fact, may not be detected. In some cases, the resources of foreign governments may be behind such attacks. Accordingly, we may be unable to anticipate these techniques or to implement adequate security barriers or other preventative measures, and thus it is virtually impossible for us to entirely mitigate this risk. A security breach or other significant disruption involving these types of information and IT networks and related systems could:

- Disrupt the proper functioning of these networks and systems and therefore our operations and/or those of certain of our customers;
- Result in the unauthorized access to, and destruction, loss, theft, misappropriation or release of proprietary, confidential, sensitive or otherwise valuable information of ours or our customers, including trade secrets, which others could use to compete against us or for disruptive, destructive or otherwise harmful purposes and outcomes;
- Compromise national security and other sensitive government functions;
- Require significant management attention and resources to remedy the damages that result;
- Subject us to claims for contract breach, damages, credits, penalties or termination; and
- Damage our reputation with our customers (particularly agencies of the U.S. government) and the public generally.

In addition, the cost of continually defending against cyber-attacks and breaches may significantly increase and any or all of the foregoing could have a material adverse effect on our business and results of operations.

Terrorist attacks and threats, and government responses thereto, and threats of war could have a material adverse effect on us.

Terrorist attacks, the U.S. and other governments' responses thereto, and threats of war could also adversely impact our business, results of operations and financial condition. Any escalation in these events or similar or future events may disrupt our operations or those of our customers or suppliers and may affect the availability of materials needed to manufacture our products or the means to transport those materials to manufacturing facilities and finished products to customers.

Reductions in spending or changes in spending priorities to reduce the U.S. Department of Defense ("DoD") budget and the U.S. Government's debt could have a material adverse effect on us.

We believe that the budget for the U.S. DoD will be reduced from current levels over the next decade. In addition to debt reduction efforts already authorized, it is possible that the U.S. government could reduce or further delay its

spending on, or reprioritize its spending away from, government programs which we participate in.

Debt-ceiling reduction legislation that was enacted in 2011 requires reductions of approximately \$487.0 billion in Pentagon and national security agency budgets over the next ten years. On November 23, 2011, the Joint Select Committee on Deficit Reduction (commonly referred to as the Super Committee which was established as part of the Budget Control Act of 2011) failed to recommend legislation that would reduce net U.S. government spending by at least \$1.2 trillion over the next 10 years. As of September 26, 2012, Congress has not yet identified the required spending reductions and as a result, it is possible that there will be an automatic sequestration of discretionary appropriations for U.S. defense programs. Although the types of communications products and services we offer appear to be a funding priority over the long term, a significant decline in defense spending or a shift in funding priorities may have a negative effect on future orders, sales, income and cash flows depending on the platforms and programs affected by such budget reductions or shifts in funding priorities.

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Ultimately, the U.S. government may be unable to timely complete its budget process or fully agree upon spending priorities. If the U.S. government budget process results in a shutdown or prolonged operation under a continuing resolution, we may experience delayed orders, delayed payments, declines in revenues, profitability and cash flows. In addition, we may experience related supply chain delays, disruptions or other problems associated with financial constraints faced by our suppliers and subcontractors. All of the aforementioned conditions could have a material adverse effect on our fiscal 2013 business and financial outlook, our operating results or our financial condition.

We may not be able to maintain our expected levels of mobile data communications segment revenues in future years.

As discussed elsewhere in this Form 10-K, we expect revenues and related operating income in our mobile data communications segment to materially decline in fiscal 2013 as compared to fiscal 2012. As a result, we have initiated and have implemented targeted actions to align our cost structure and are continuing the process of refining our mobile data communications segment's business strategies.

We are currently providing sustainment services to the U.S. Army's MTS and BFT-1 programs under a three-year IDIQ contract. The base performance period on this contract is April 1, 2012 to March 31, 2013. The contract provides for two twelve-month option periods exercisable by the U.S. Army and, except for a fixed annual intellectual property ("IP") license fee of \$10.0 million, the three-year \$80.7 million contract value is subject to finalization and downward negotiation. Payments of annual IP license fees beyond the base year are contingent upon the U.S. Army's exercise of optional performance periods. Because this contract is an IDIQ contract, it can be terminated at any time and the U.S. Army is not obligated to purchase any additional equipment or services.

Sales for MTS and BFT-1 products and services in fiscal 2012 were approximately \$87.8 million and our business outlook assumes a material decline in such revenues in fiscal 2013. As further described below, given the various uncertainties related to our BFT-1 sustainment activities, our operating results in fiscal 2013 and beyond are likely to be more volatile and it will be more difficult than in the past to accurately project gross margins and our related operating income, net income and earnings per share in any particular future period.

Our ability to accurately predict BFT-1 sustainment activities in fiscal 2013 and beyond is subject to a number of future events, including new orders, new contracts, contract extensions (including the exercise of optional performance periods), contract ceiling increases, unpredictable funding, as well as deployment and technology decisions by the U.S. government. We believe that the U.S. Army may have begun deploying BFT-2 equipment in Korea and according to published reports on the U.S. Army's website, will also begin deploying BFT-2 equipment in Afghanistan in our fiscal 2013. As such, if the U.S. Army does not exercise the optional performance periods and we do not receive new orders, new contracts, contract extensions or contract ceiling increases, our mobile data communications segment's revenues in future periods will decline significantly, which would have a material adverse effect on our 2013 business outlook, our future business outlook, and our current and future operating results.

We believe that by seeking to work collaboratively with the U.S. Army to ensure that its short-term and long-term needs are addressed, we will enhance our competitive positioning for a potential new award in the future. Ultimately, we may not be successful and our business outlook could be negatively impacted.

Noncompliance with numerous domestic and international laws, regulations and restrictions (including those pertaining to income taxes) could materially impact our business, results of operations and financial condition.

Our business operations are primarily located in the U.S.; however, we must comply with certain international, as well as domestic, laws, regulations and restrictions. Our products are incorporated into wireless communications systems that must comply with various U.S. government regulations, including those of the FCC, as well as similar international laws and regulations. Because the laws and regulations pertaining to our business are relatively complex,

our business faces increased risks including the following:

We could be disqualified as a supplier to the U.S. government – As a supplier to the U.S. government, we must comply with numerous regulations, including those governing security, contracting practices and classified information. Failure to comply with these regulations and practices could result in fines being imposed against us or our suspension for a period of time from eligibility for bidding on, or for award of, new government contracts. If we are disqualified as a supplier to government agencies, we would lose most, if not all, of our U.S. government customers and revenues from sales of our products would decline significantly. Among the potential causes for disqualification are violations of various statutes, including those related to procurement integrity, export control, U.S. government security regulations, employment practices, protection of the environment, accuracy of records in the recording of costs, and the Foreign Corrupt Practices Act.

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The government could investigate and make inquiries of our business practices and conduct audits of contract performance and cost accounting. Based on the results of such audits, the U.S. government could adjust our contract-related costs and fees. Depending on the results of these audits and investigations, the government could make claims against us and, if it were to prevail, certain incurred costs would not be recoverable by us.

Adverse regulatory changes could impair our ability to sell products – Regulatory changes, including changes in the allocation and availability of frequency spectrum, and in the military standards and specifications that define the current satellite networking environment, could materially harm our business by: (i) restricting development efforts by us and our customers, (ii) making our current products less attractive or obsolete, or (iii) increasing the opportunity for additional competition. The increasing demand for wireless communications has exerted pressure on regulatory bodies worldwide to adopt new standards and reassign bandwidth for these products and services. The reduced number of available frequencies for other products and services and the time delays inherent in the government approval process of new products and services have caused, and may continue to cause, our customers to cancel, postpone or reschedule their installation of communications systems including their satellite, over-the-horizon microwave, or terrestrial line-of-sight microwave communication systems. This, in turn, could have a material adverse effect on our sales of products to our customers. Changes in, or our failure to comply with, applicable laws and regulations could materially harm our business.

We may be subject to environmental liabilities – We engage in manufacturing and are subject to a variety of local, state and federal governmental regulations relating to the storage, discharge, handling, emission, generation, manufacture and disposal of toxic or other hazardous substances used to manufacture our products. We are also subject to the Restriction of Hazardous Substance ("RoHS") directive which restricts the use of lead, mercury and other substances in electrical and electronic products. The failure to comply with current or future environmental requirements could result in the imposition of substantial fines, suspension of production, alteration of our manufacturing processes or cessation of operations that could have a material adverse effect on our business, results of operations and financial condition. In addition, the handling, treatment or disposal of hazardous substances by us or our predecessors may have resulted, or could in the future result, in contamination requiring investigation or remediation, or leading to other liabilities, any of which could have a material adverse effect on our business, results of operations and financial condition.

Tax audits could result in a material tax assessment – Our U.S. federal, state and foreign tax returns are subject to audit and a resulting tax assessment or settlement could have a material adverse effect on our results of operations and financial condition. Significant judgment is required in determining the provision for income taxes. The final determination of tax examinations and any related litigation could be materially different than what is reflected in historical income tax provisions and accruals. Our federal income tax returns for fiscal 2010, fiscal 2011 and fiscal 2012 are subject to potential future Internal Revenue Service ("IRS") audit. Although adjustments relating to past audits of our federal tax returns were immaterial, a resulting tax assessment or settlement for other periods or other jurisdictions that may be selected for future audit could have a material adverse effect on our results of operations and financial condition.

Our investments in recorded goodwill and other intangible assets could be impaired as a result of future business conditions, further deterioration of the global economy or if we change our reporting unit structure.

As of July 31, 2012, we have goodwill and intangible assets of \$176.2 million recorded on our consolidated balance sheet of which \$129.6 million and \$46.6 million relates to our telecommunications transmission and RF microwave amplifiers segments, respectively.

For purposes of reviewing impairment and the recoverability of goodwill and other intangible assets, each of our three operating segments constitutes a reporting unit and we must make various assumptions regarding estimated future

cash flows and other factors in determining the fair values of the reporting unit. We perform an annual impairment review in the first quarter of each fiscal year, unless there are other indicators of impairment. Based on our annual impairment review performed as of August 1, 2012, we concluded that our RF microwave amplifiers and our telecommunications transmission reporting units had an estimated fair value in excess of total asset book value of approximately 84.0% and 7.0%, respectively.

The annual impairment test is based on several factors requiring judgment and is based on how our President and Chief Executive Officer manages the business. If these estimates or their related assumptions change in the future, or if we change our future reporting structure, we may be required to record impairment charges in future periods.

If global conditions continue to deteriorate from current levels, or if the market value of our equity or assets significantly declines, or we are not successful in achieving our expected sales levels, or if other events or changes in circumstances occur that indicate that the carrying amount of our assets may not be recoverable, our goodwill and other intangible assets may become impaired.

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Although we performed our fiscal 2013 impairment testing on August 1, 2012 and determined that there was no impairment of our goodwill, changes in our future operating performance or business conditions, in general, could result in an impairment of goodwill in future operating periods. Any impairment charges that we may record in the future could be material to our results of operations and financial condition.

All of our business activities are subject to rapid technological change requiring us to continuously develop technology and/or obtain licensed technology in order to compete successfully.

We are engaged in business activities characterized by rapid technological change, evolving industry standards, frequent new product announcements and enhancements, and changing customer demands. The introduction of products and services on future industry standards embodying new technologies such as TDMA-based technologies and the emergence of industry standards such as WiMAX could render any of our products and services obsolete or non-competitive.

The technology used in our products and services evolves rapidly, and our business position depends, in large part, on the continuous refinement of our scientific and engineering expertise and the development, either through internal research and development or acquisitions of businesses or licenses, of new or enhanced products and technologies. We may not have the economic or technological resources to be successful in such efforts and we may not be able to identify and respond to technological improvements made by our competitors in a timely or cost-effective fashion.

Our DoubleTalk[®] Carrier-in-Carrier[®] bandwidth compression technology is licensed by us from a third party who maintains patents associated with the technology.

A significant technological breakthrough by others, including smaller competitors or new firms, or an unsuccessful outcome of defending our rights to licensed technologies, could have a material adverse impact on our business, results of operations and financial condition.

Ongoing compliance with the provisions of securities laws, related regulations and financial reporting standards could unexpectedly materially increase our costs and compliance related expenses.

Because we are a publicly traded company, we are required to comply with provisions of securities laws, related regulations and financial reporting. Because securities laws, related regulations and financial reporting standards pertaining to our business are relatively complex, our business faces increased risks including the following:

If we identify a material weakness in the future, our costs will unexpectedly increase – Pursuant to Section 404 of the Sarbanes-Oxley Act of 2002 and related SEC rules, we are required to furnish a report of management's assessment of the effectiveness of our internal controls as part of our Annual Report on Form 10-K. Our independent registered public accountants are required to attest to and report on management's assessment, as well as provide a separate opinion. To issue our report, we document our internal control design and the testing processes that support our evaluation and conclusion, and then we test and evaluate the results. There can be no assurance, however, that we will be able to remediate material weaknesses, if any, that may be identified in future periods, or maintain all of the controls necessary for continued compliance. There likewise can be no assurance that we will be able to retain sufficient skilled finance and accounting personnel, especially in light of the increased demand for such personnel among publicly traded companies.

Stock-based compensation accounting standards could negatively impact our stock – Since our inception, we have used stock-based awards as a fundamental component of our employee compensation packages. We believe that stock-based awards directly motivate our employees to maximize long-term stockholder value and, through the use of long-term vesting, encourage employees to remain with us. Since fiscal 2006, we have applied the provisions of

Accounting Standards Codification (“ASC”) 718, “Compensation – Stock Compensation,” which requires us to record compensation expense in our statement of operations for employee and director stock-based awards using a fair value method. The adoption of the standard had a significant effect on our reported earnings, and could adversely impact our ability to provide accurate guidance on our future reported financial results due to the variability of the factors used to estimate the value of stock-based awards. The ongoing application of this standard could impact the future value of our common stock and may result in greater stock price volatility. To the extent that this accounting standard makes it less attractive to grant stock-based awards to employees, we may incur increased compensation costs, change our equity compensation strategy or find it difficult to attract, retain and motivate employees, each of which could have a material adverse effect on our business, results of operations and financial condition.

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Changes in securities laws, regulations and financial reporting standards are increasing our costs – The Sarbanes-Oxley Act of 2002 required changes in some of our corporate governance, public disclosure and compliance practices. These changes resulted in increased costs and as we grow, we expect to see our costs increase. The SEC has passed, promulgated and proposed new rules on a variety of subjects including the requirement to use the interactive data format eXtensible Business Reporting Language (commonly referred to as “XBRL”) in our financial statements, which we began including in our quarterly reports filed with the SEC in the first quarter of fiscal 2011 and the possibility that we would be required to adopt International Financial Reporting Standards (“IFRS”). We may have to add additional accounting staff, engage consultants or change our internal practices, standards and policies which could significantly increase our costs to comply with IFRS requirements. In addition, the NASDAQ Stock Market LLC (“NASDAQ”) has revised its requirements for companies, such as us, that are listed on NASDAQ. These changes are increasing our legal and financial compliance costs including making it more difficult and more expensive for us to obtain director and officer liability insurance or maintain our current liability coverage. We believe that these new and proposed laws and regulations could make it more difficult for us to attract and retain qualified members of our Board of Directors, particularly to serve on our Audit Committee, and qualified executive officers.

We may incur additional expenses and not be able to comply with SEC reporting requirements related to conflict minerals – In August 2012, the SEC adopted new rules establishing additional disclosure and reporting requirements regarding a company's use of conflict minerals. These new SEC rules could result in us incurring additional costs to document and perform supplier due diligence. As these rules will likely impact our suppliers, the availability of raw materials used in our operations could be negatively impacted and or raw material prices could increase. We may also have difficulty verifying the supply of conflict minerals to their source and, therefore, may not be able to comply with the SEC's conflict minerals reporting requirement.

We could be adversely affected if we violate International Traffic in Arms Regulations (“ITAR”).

In the past, we have self-reported violations of ITAR to the Office of Defense Trade Controls Compliance (“DDTC”) of the U.S. Department of State and had an ITAR compliance audit performed by an independent auditor at the request of the DDTC. Although the audit found no violations of ITAR, we committed to the DDTC that we would enhance certain policies and procedures including establishing a company-wide Office of Trade Compliance.

We continue to implement policies and procedures to ensure that we comply with ITAR and related regulations. We may be subjected to ITAR compliance audits in the future that may uncover improper or illegal activities that would subject us to material remediation costs, civil and criminal fines and/or penalties and/or an injunction. In addition, we could suffer serious reputational harm if allegations of impropriety were made against us. Each of these outcomes could, individually or in the aggregate, have a material adverse effect on our business, results of operations and financial condition.

Our dependence on sales to international customers exposes us to risks, including U.S. export restrictions.

Sales for use by international customers (including sales to U.S. companies for inclusion in products that will be sold to international customers) represented approximately 38.7%, 30.2% and 22.9% of our consolidated net sales for the fiscal years ended July 31, 2012, 2011 and 2010, respectively, and we expect that international sales will continue to be a substantial portion of our consolidated net sales for the foreseeable future. These sales expose us to certain risks, including barriers to trade, fluctuations in foreign currency exchange rates (which may make our products less price-competitive), political and economic instability, exposure to public health epidemics, availability of suitable export financing, tariff regulations, and other U.S. and foreign regulations that may apply to the export of our products. Although we take steps to mitigate our risk with respect to international sales, we may not be able to do so in every instance for any of the following reasons, among others:

We may not be able to continue to structure our international contracts to reduce risk – We attempt to reduce the risk of doing business in foreign countries by seeking subcontracts with large systems suppliers, contracts denominated in U.S. dollars, advance or milestone payments and irrevocable letters of credit in our favor. However, we may not be able to reduce the economic risk of doing business in foreign countries in all instances. In such cases, billed and unbilled receivables relating to international sales are subject to increased collectability risk and may result in significant write-offs, which could have a material adverse effect on our business, results of operations and financial condition. In addition, foreign defense contracts generally contain provisions relating to termination at the convenience of the government.

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We rely on a limited number of international sales agents – In some countries, we rely upon one or a small number of sales agents, exposing us to risks relating to our contracts with, and related performance of, those agents. We attempt to reduce our risk with respect to sales agents by establishing additional foreign sales offices where it is practical and by engaging, where practicable, more than one independent sales representative in a territory. It is our policy to require all sales agents to operate in compliance with applicable laws, rules and regulations. Violations of any of these laws, rules or regulations, and other business practices that are regarded as unethical, could interrupt the sales of our products and services, result in the cancellation of orders or the termination of customer relationships, and could damage our reputation, any of which developments could have a material adverse effect on our net sales and results of operations.

We may not be able to obtain export licenses from the U.S. government – Certain of our products and systems may require licenses from U.S. government agencies for export from the U.S., and some of our products are not permitted to be exported. In addition, in certain cases, U.S. export controls also severely limit unlicensed technical discussions, such as discussions with any persons who are not U.S. citizens or permanent residents. As a result, in cases where we may need a license, our ability to compete against a non-U.S. domiciled foreign company that may not be subject to the same U.S. laws may be adversely affected. We cannot be certain that we will be able to obtain necessary export licenses and failure to obtain required licenses would adversely affect our sales outside the U.S.

We have significant operations in Arizona, Florida, California and other locations which could be materially and adversely impacted in the event of a natural disaster or other significant disruption.

Our telecommunications transmission segment designs and manufactures our over-the-horizon microwave equipment and systems in Florida, where major hurricanes have occurred in the past. Our RF microwave amplifiers segment manufactures and designs traveling wave tube amplifiers in Santa Clara, California, close to major earthquake fault lines and also manufactures amplifiers in Melville, New York, an area subject to hurricanes.

Our operations in these and other locations (such as in our high-volume technology manufacturing center located in Tempe, Arizona and our mobile data communication segment's network operations center located in Germantown, Maryland), could be subject to natural disasters or other significant disruptions, including hurricanes, tornadoes, typhoons, tsunamis, floods, earthquakes, fires, water shortages, other extreme weather conditions, medical epidemics, acts of terrorism, power shortages and blackouts, telecommunications failures, and other natural and man-made disasters or disruptions.

In the event of any such disaster or other disruption, we could experience disruptions or interruptions to our operations or the operations of our suppliers, distributors, resellers or customers; destruction of facilities; and/or loss of life, all of which could materially increase our costs and expenses and materially adversely affect our business, results of operations and financial condition.

Our dependence on component availability, government furnished equipment, subcontractors and key suppliers, including the core manufacturing expertise of our high-volume technology manufacturing center located in Tempe, Arizona, exposes us to risk.

Although we obtain certain components and subsystems from a single source or a limited number of sources, we believe that most components and subsystems are available from alternative suppliers and subcontractors. A significant interruption in the delivery of such items, however, could have a material adverse effect on our business, results of operations and financial condition.

Company-wide, we depend on our high-volume technology manufacturing center located in Tempe, Arizona, which is part of our telecommunications transmission segment, to manufacture certain products and components for all three of

our business segments. Intersegment sales in fiscal 2012, 2011 and 2010 by the telecommunications transmission segment to the RF microwave amplifiers segment were \$5.4 million, \$3.8 million and \$7.2 million, respectively. In fiscal 2012, 2011 and 2010, intersegment sales by the telecommunications transmission segment to the mobile data communications segment were \$11.2 million, \$37.0 million and \$82.2 million, respectively.

We intend to maximize the use of our high-volume technology manufacturing center by continuing to seek contracts with third parties to outsource a portion of their manufacturing to us. If a natural disaster or other business interruption occurred with respect to our high-volume technology manufacturing center, we do not have immediate access to other manufacturing facilities and, as a result, our business would suffer. In addition, if our high-volume technology manufacturing center is unable to produce sufficient product or maintain quality, it could have a material adverse effect on all three of our business segments, results of operations and financial condition.

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In the past, the U.S. government experienced delays in the receipt of certain components that are ultimately provided to us for incorporation into our satellite transceivers that we ship to the U.S. government. If we do not receive these or other government furnished components in a timely manner, we could experience delays in fulfilling orders from our customers.

Our backlog is subject to customer cancellation or modification and such cancellation could result in a decline in sales and increased provisions for excess and obsolete inventory.

We currently have a backlog of orders, mostly under contracts that the customer may modify or terminate. Almost all of the contracts in our backlog (including firm orders previously received from the U.S. government) are subject to cancellation at the convenience of the customer or for default in the event that we are unable to perform under the contract. We can give no assurance that our backlog will result in net sales.

We record a provision for excess and obsolete inventory based on historical and future usage trends and other factors including the consideration of the amount of backlog we have on hand at any particular point in time. If our backlog is canceled or modified, our estimates of future product demand may prove to be inaccurate, in which case we may have understated the provision required for excess and obsolete inventory. In the future, if we determine that our inventory is overvalued, we will be required to recognize such costs in our financial statements at the time of such determination. Any such charges could be materially adverse to our results of operations and financial condition.

Contract cost growth on our fixed price contracts and other contracts that cannot be justified as an increase in contract value due from customers exposes us to reduced profitability and the potential loss of future business and other risks.

A substantial portion of our products and services are sold under fixed price contracts. This means that we bear the risk of unanticipated technological, manufacturing, supply or other problems, price increases or other increases in the cost of performance. Operating margin is adversely affected when contract costs that cannot be billed to the customer are incurred. This cost growth can occur if initial estimates used for calculating the contract price were incorrect, or if estimates to complete increase.

The cost estimation process requires significant judgment and expertise. Reasons for cost growth may include unavailability and productivity of labor, the nature and complexity of the work to be performed, the effect of change orders, the availability of materials, the effect of any delays in performance, availability and timing of funding from the customer, natural disasters, and the inability to recover any claims included in the estimates to complete. A significant change in an estimate on one or more programs could have a material impact on our business, results of operations and financial condition.

We face a number of risks relating to the expected long-term growth of our business. Our business and operating results may be negatively impacted if we are unable to manage this growth.

These risks include:

• The loss of key technical or management personnel could adversely affect our business – Our future success depends on the continued contributions of key technical management personnel, including the key corporate and operating unit management at each of our subsidiaries. Many of our key personnel, particularly the key engineers at our subsidiaries, would be difficult to replace, and are not subject to employment or non-competition agreements. Our expected long-term growth and future success will depend, in large part, upon our ability to attract and retain highly qualified engineering, sales and marketing personnel. Competition for such personnel from other companies, academic institutions, government entities and other organizations is intense. Although we believe that we have been successful to date in recruiting and retaining key personnel, we may not be successful in attracting and retaining the personnel

we will need to grow and operate profitably. Also, the management skills that have been appropriate for us in the past may not continue to be appropriate if we grow and diversify.

We may not be able to improve our processes and systems to keep pace with anticipated growth – Certain of our businesses have experienced periods of rapid growth that have placed, and may continue to place, significant demands on our managerial, operational and financial resources. In order to manage this growth, we must continue to improve and expand our management, operational and financial systems and controls. We also need to continue to recruit and retain personnel and train and manage our employee base. We must carefully manage research and development capabilities and production and inventory levels to meet product demand, new product introductions and product and technology transitions. If we are not able to timely and effectively manage our growth and maintain the quality standards required by our existing and potential customers, we could experience a material adverse effect on our business, results of operations and financial condition.

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Our markets are highly competitive and there can be no assurance that we can continue our success – The markets for our products are highly competitive. There can be no assurance that we will be able to continue to compete successfully or that our competitors will not develop new technologies and products that are more effective than our own. We expect the DoD's increased use of commercial off-the-shelf products and components in military equipment will encourage new competitors to enter the market. Also, although the implementation of advanced telecommunications services is in its early stages in many developing countries, we believe competition will continue to intensify as businesses and foreign governments realize the market potential of telecommunications services. Many of our competitors have financial, technical, marketing, sales and distribution resources greater than ours.

Future acquisitions and investments may divert our resources and management attention, and the benefits from such acquisitions and investments may fall short of expectations.

We intend to continue pursuing acquisitions or investments in businesses, technologies and product lines. Future acquisitions or investments may result in the use of significant amounts of cash, potentially dilutive issuances of equity securities, incurrence of additional debt, increases to amortization expenses and the future write-off of intangibles acquired. Such acquisitions or investments may also conflict with our \$100.0 million secured revolving credit facility ("Credit Facility"), thereby limiting our ability to draw on the Credit Facility or requiring us to repay the Credit Facility. Acquisitions involve other operational risks, including:

- difficulties in the integration of the operations, technologies, products and personnel of an acquired business, including the loss of key employees or customers of any acquired business;

- diversion of management's attention from other business concerns; and

- increased expenses associated with acquired businesses including managing the growth of such businesses.

There can be no assurance that our future acquisitions and investments will be successful and will not adversely affect our business, results of operations or financial condition.

Our revolving credit facility contains restrictions that could limit our ability to implement our business plan.

We have a committed \$100.0 million, secured revolving credit facility ("Credit Facility") with a syndicate of bank lenders that expires on April 30, 2014 but may be extended by us to December 31, 2016, subject to certain conditions. The Credit Facility contains certain covenants, including covenants limiting certain debt, certain liens on assets, certain sales of assets and receivables, certain payments (including dividends), certain repurchases of equity securities, certain sale and leaseback transactions, certain guaranties and certain investments. The Credit Facility also contains financial condition covenants requiring that we: (i) not exceed a maximum ratio of consolidated total indebtedness to Consolidated Adjusted EBITDA (each as defined in the Credit Facility); (ii) not exceed a maximum ratio of consolidated senior secured indebtedness to Consolidated Adjusted EBITDA (each as defined in the Credit Facility); (iii) maintain a minimum fixed charge ratio (as defined in the Credit Facility); (iv) maintain a minimum consolidated net worth; in each case measured on the last day of each fiscal quarter, and (v) in the event total consolidated indebtedness (as defined in the Credit Facility) is less than \$200.0 million, we maintain a minimum level of Consolidated Adjusted EBITDA (as defined in the Credit Facility).

Our Credit Facility, as amended, also contains certain events of default, including: failure to make payments, failure to perform or observe terms, or a change of control (as defined in the agreement). If an event of default occurs, the lenders may, among other things, terminate their commitments and declare all outstanding borrowings, if any, to be immediately due and payable together with accrued interest and fees. These restrictions and covenants may limit our ability to implement our business plan, finance future operations, respond to changing business and economic

conditions, secure additional financing, and engage in certain strategic transactions. In addition, if we fail to meet the covenants contained in our Credit Facility, our ability to borrow under our Credit Facility may be restricted.

If we have significant borrowings under the agreement and we violate a covenant or an event of default occurs and the lenders accelerate the maturity of any outstanding borrowings and terminate their commitment to make future loans, it could have a material adverse effect on our business, results of operations and financial condition. In addition, an event of default under our Credit Facility could constitute an event of default under our 3.0% senior convertible notes, requiring us to repay the outstanding principal amount of the notes and accrued and unpaid interest on the notes. There can be no assurance that we will be able to comply with our financial or other covenants or that any covenant violations will be waived. In addition, if we fail to comply with our financial or other covenants, we may need additional financing in order to service or extinguish our indebtedness. In the future, we may not be able to obtain financing or refinancing on terms acceptable to us, if at all.

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If we are unable to pay quarterly dividends at the annual targeted level, our reputation and stock price may be harmed.

In September 2011, our Board of Directors approved an annual targeted dividend of \$1.10 per common share. We have paid quarterly dividends for eight straight quarters and, in fiscal 2012, we paid \$22.6 million of cash dividends to our shareholders.

The dividend program requires the use of a portion of our cash flow. Our ability to continue to pay quarterly dividends will depend on our ability to generate sufficient cash flows from operations in the future. This ability may be subject to certain economic, financial, competitive and other factors that are beyond our control. Our Board of Directors may, at its discretion, decrease the targeted annual dividend amount or entirely discontinue the payment of dividends at any time. Any failure to pay dividends after we have announced our intention to do so may negatively impact our reputation, investor confidence in us and negatively impact our stock price.

Protection of our intellectual property is limited and we are subject to the risk that third parties may claim our products or systems infringe their intellectual property rights.

Our businesses rely, in large part, upon our proprietary scientific and engineering know-how and production techniques. Historically, patents have not been an important part of the protection of our intellectual property rights as competitors routinely develop similar but non-infringing products. We rely upon the laws of unfair competition and restrictions in licensing agreements and confidentiality agreements to protect our intellectual property.

The departure of any of our key management and technical personnel, the breach of their confidentiality and non-disclosure obligations to us or the failure to achieve our intellectual property objectives may have a material adverse effect on our business, results of operations and financial condition. Our ability to compete successfully and achieve future revenue growth will depend, in part, on our ability to protect our proprietary technology and operate without infringing upon the rights of others. We may fail to do so. In addition, the laws of certain countries in which our products are or may be sold may not protect our products or intellectual property rights to the same extent as the laws of the U.S.

From time to time, we receive correspondence alleging that a product or other part of our business infringes the intellectual property rights of a third party. We believe that we own or have licensed all intellectual property rights necessary for the operation of our businesses as currently contemplated.

If any technology we use is found to infringe on protected technology, we could be required to change our business practices, license the protected technology, and/or pay damages or other compensation to the infringed party and/or our customers who have incorporated our products into their systems or businesses. If we are unable to license protected technology that we use in our business or if we are required to change our business practices, we could be prohibited from making and selling some of our products or providing certain telecommunications services.

Provisions in our corporate documents and Delaware law could delay or prevent a change in control of Comtech.

We have taken a number of actions that could have the effect of discouraging, delaying or preventing a merger or acquisition involving Comtech that our stockholders may consider favorable.

For example, we have a classified board and the employment contract with our chief executive officer and agreements with other of our executive officers provide for substantial payments in certain circumstances or in the event of a change of control of Comtech. In the future, we may adopt a stockholder rights plan which could cause substantial dilution to a stockholder, and substantially increase the cost paid by a stockholder, who attempts to acquire us on terms not approved by our Board of Directors.

In addition, we are subject to the provisions of Section 203 of the Delaware General Corporation Law, an anti-takeover law. In general, this statute provides that, except in certain limited circumstances, a corporation shall not engage in any “business combination” with an “interested stockholder” for a period of three years after the date of the transaction in which the person became an interested stockholder, unless the business combination is approved in a prescribed manner.

A “business combination” includes mergers, asset sales and other transactions resulting in a financial benefit to the interested stockholder. Subject to certain exceptions, for purposes of Section 203 of the Delaware General Corporation Law, an “interested stockholder” is a person who, together with affiliates, owns, or within three years did own, 15% or more of the corporation’s voting stock. This provision could have the effect of delaying or preventing a change in control of Comtech.

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Our debt service obligations may adversely affect our cash flow.

Our 3.0% convertible senior notes are convertible into shares of our common stock at any time prior to the close of business on the second scheduled trading day immediately preceding the maturity date, subject to adjustment in certain circumstances (such as the declaration of cash dividends on our common stock) and contain certain restrictions and covenants. We can provide no assurances that we will not default on these or other debt obligations. We may, at our option, redeem some or all of the 3.0% convertible senior notes on or after May 5, 2014. Holders of the 3.0% convertible senior notes will have the right to require us to repurchase some or all of the outstanding 3.0% convertible senior notes, solely for cash, on May 1, 2014, May 1, 2019 and May 1, 2024 and upon certain events, including a change in control. If not redeemed by us or repaid pursuant to the holders' right to require repurchase, the 3.0% convertible senior notes mature on May 1, 2029. If the holders of our 3.0% convertible senior notes require us to repurchase some or all of the outstanding notes that they own, there can be no assurance that we will be able to generate sufficient cash flow to repay the 3.0% convertible senior notes or that future working capital, borrowings or equity financing will be available to pay or refinance them. The level of our indebtedness, among other things, could: make it difficult for us to make payments on our debt; make it difficult for us to obtain any necessary financing in the future for working capital, acquisitions, capital expenditures, debt service requirements or other purposes; limit our flexibility in planning for, or reacting to, changes in our business and the industry in which we compete; and make us more vulnerable in the event of a downturn in our business.

Our stock price is volatile.

The stock market in general and the stock prices of technology-based companies, in particular, has experienced extreme volatility that often has been unrelated to the operating performance of any specific public company. The market price of our common stock has fluctuated significantly in the past and is likely to fluctuate significantly in the future as well. Factors that could have a significant impact on the market price of our stock are described throughout the Risk Factors section and include, among others:

- strategic transactions, such as acquisitions and divestitures;
- issuance of potentially dilutive equity or equity-type securities;
- future announcements concerning us or our competitors;
- receipt or non-receipt of substantial orders for products and services;
- quality deficiencies in services or products;
- results of technological innovations;
- new commercial products;
- changes in recommendations of securities analysts;
- government regulations;
- changes in the status or outcome of government audits;
- proprietary rights or product or patent litigation;
- changes in U.S. government policies;
- changes related to ongoing military conflicts;
- changes in economic conditions generally, particularly in the telecommunications sector;
- changes in securities market conditions, generally;
- changes in the status of litigation and legal matters (including changes in the status of export matters);
- changes in the status of U.S. government investigations relating to our CEO;
- cyber-attacks;
- energy blackouts;
- acts of terrorism or war;
- inflation or deflation; and

rumors or allegations regarding our financial disclosures or practices.

Shortfalls in our sales or earnings in any given period relative to the levels expected by securities analysts could immediately, significantly and adversely affect the trading price of our common stock.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None.

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ITEM 2. PROPERTIES

Historically, we have not owned any material properties or facilities and have relied upon a strategy of leasing. Our properties and facilities are noted below:

Our corporate headquarters are located in an office building complex in Melville, New York. The lease, which is for 9,600 square feet, provides for our use of the premises through August 2013.

Our RF microwave amplifiers segment manufactures our solid-state, high-power, broadband amplifiers, in a 45,000 square foot engineering and manufacturing facility on more than two acres of land in Melville, New York and a 6,000 square foot facility in Topsfield, Massachusetts. We lease the New York facility from a partnership controlled by our Chairman, Chief Executive Officer and President. The lease provides for our use of the premises as they exist through December 2021 with an option for an additional ten-year period. In connection with the lease renewal in September 2011, our Nominating and Governance Committee of the Board of Directors obtained written reports from three independent commercial real estate firms regarding prevailing rents for comparable facilities. Based on this assessment, and the continued suitability of the facility for our current operations, the annual rent of the facility was reduced to \$580,000 for calendar 2012 and is subject to customary adjustments. We have a right of first refusal in the event of a sale of the facility.

Our RF microwave amplifiers segment also manufactures our amplifiers in a leased manufacturing facility located in Santa Clara, California. This facility is approximately 47,000 square feet and is subject to a lease agreement that expires in April 2019. Our RF microwave amplifiers segment also operates a small office in the United Kingdom that expires in 2016.

Although primarily used for our satellite earth station product lines, which are part of the telecommunications transmission segment, all three of our business segments utilize our high-volume technology manufacturing facilities located in Tempe, Arizona. These manufacturing facilities, comprising 195,000 square feet, utilize state-of-the-art design and production techniques, including analog, digital and RF microwave production, hardware assembly and full service engineering. Leases comprising 186,000 square feet expire in fiscal 2016 with the remaining 9,000 square feet expiring in fiscal 2014. We have the option to extend the lease terms for up to an additional five-year period through fiscal 2021 for 170,000 square feet related to these leases. As a result of the August 1, 2008 Radyne acquisition, we also assumed a lease for approximately 75,000 square feet of building space in Phoenix, Arizona. The lease for this building expires in October 2018. In connection with our Radyne-acquisition restructuring plan we vacated and subleased this building space through October 2015.

Our telecommunications transmission segment leases an additional twelve facilities, six of which are located in the U.S. The U.S. facilities (excluding our Arizona-based facilities) aggregate 105,000 square feet and are primarily utilized for manufacturing, engineering, and general office use. Our telecommunications transmission segment also operates six small offices in Canada, China, India, North Africa, Singapore and the United Kingdom, all of which aggregate 22,000 square feet and are primarily utilized for customer support, engineering and sales.

Our mobile data communications segment operates two main facilities aggregating 51,000 square feet. We lease a 26,000 square foot facility located in Germantown, Maryland which contains our main network operations center. This lease expires in March 2018. Our mobile data communications segment also maintains a 25,000 square foot facility in Ashburn, Virginia that expires in October 2013 and was used to support the design, sales and manufacture of our microsatellite products. We also lease a small office located in Colorado that is primarily used for engineering capabilities. In connection with the wind-down of our microsatellite product line, we vacated approximately 12,000 square feet of the Ashburn, Virginia building space as of July 31, 2012 and expect to vacate all of our microsatellite-related facilities during fiscal 2013.

The terms for all of our leased facilities are generally for multi-year periods and we believe that we will be able to renew these leases or find comparable facilities elsewhere.

ITEM 3. LEGAL PROCEEDINGS

Information regarding legal proceedings is incorporated herein by reference to the “Notes to Consolidated Financial Statements – Note (14)(b) Commitments and Contingencies – Legal Proceedings and Other Matters” included in “Part II—Item 8.— Financial Statements and Supplementary Data,” included in this Annual Report on Form 10-K.

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ITEM 4. MINE SAFETY DISCLOSURES

Not applicable.

PART II

ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Stock Performance Graph and Cumulative Total Return

The graph below compares the cumulative total stockholder return on our common stock with the cumulative total return on the S&P's 500 Index and the NASDAQ Telecommunications Index for each of the last five fiscal years ended July 31, assuming an investment of \$100 at the beginning of such period and the reinvestment of any dividends. The comparisons in the graphs below are based upon historical data and are not indicative of, nor intended to forecast, future performance of our common stock.

Our common stock trades on the NASDAQ Stock Market LLC ("NASDAQ") under the symbol "CMTL."

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The following table shows the quarterly range of the high and low sale prices for our common stock as reported by the NASDAQ. Such prices do not include retail markups, markdowns or commissions.

	Common Stock	
	High	Low
Fiscal Year Ended July 31, 2011		
First Quarter	\$31.48	20.19
Second Quarter	32.00	25.75
Third Quarter	29.94	25.46
Fourth Quarter	29.80	23.51
Fiscal Year Ended July 31, 2012		
First Quarter	\$34.08	24.04
Second Quarter	35.65	27.88
Third Quarter	34.89	30.66
Fourth Quarter	31.75	26.51

Dividends

On September 27, 2011, our Board of Directors raised our annual targeted dividend from \$1.00 per common share to \$1.10 per common share.

During the fiscal year ended July 31, 2012, we declared four quarterly cash dividends of \$0.275 per common share, each of which was paid to our stockholders on November 22, 2011, February 22, 2012, May 22, 2012 and August 20, 2012.

On September 26, 2012, our Board of Directors declared a dividend of \$0.275 per common share, payable on November 20, 2012 to shareholders of record at the close of business on October 19, 2012.

While future dividends will be subject to Board of Directors approval, we currently expect that comparable cash dividends will continue to be paid to our stockholders in future periods. The declaration and payment of dividends in the future will depend upon our earnings, capital requirements, financial condition, compliance with our Credit Facility, and other factors considered relevant by our Board of Directors.

Recent Sales of Unregistered Securities

None.

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Purchases of Equity Securities by the Issuer and Affiliated Purchasers

The number and average price of shares purchased during the fiscal year ended July 31, 2012 are set forth in the table below:

	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as part of Publicly Announced Program	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Program
August 1 – August 31, 2011	476,866	\$26.23	476,866	\$116,004,000
September 1 – September 30, 2011	479,492	27.78	479,492	202,693,000
October 1 – October 31, 2011	1,771,035	31.42	1,761,035	147,402,000
November 1 – November 30, 2011	1,284,625	33.69	1,284,625	104,144,000
December 1 – December 31, 2011	1,643,494	29.09	643,494	85,440,000
January 1 – January 31, 2012	420,780	29.92	420,780	72,858,000
February 1 – February 29, 2012	245,363	32.62	245,363	64,858,000
March 1 – March 31, 2012	269,358	32.69	269,358	56,058,000
April 1 – April 30, 2012	473,009	32.79	473,009	40,560,000
May 1 – May 31, 2012	331,199	30.19	331,199	30,569,000
June 1 – June 30, 2012	490,528	28.74	490,528	16,480,000
July 1 – July 31, 2012	179,865	29.00	179,865	11,268,000
Total	7,065,614	30.81	7,055,614	11,268,000

In September 2011, our Board of Directors authorized a \$250.0 million stock repurchase program. There is no time restriction on this authorization and repurchases may be made in open-market or privately negotiated transactions and may be made pursuant to SEC Rule 10b5-1 trading plans.

During the fiscal year ended July 31, 2012, we repurchased 7,055,614 shares in open-market transactions for an aggregate cost of \$217,374,000 (including transaction costs) with an average price per share of \$30.81. In addition, during the period October 1, 2011 through October 31, 2011, an “affiliated purchaser,” as defined in Rule 10b-18(a)(3), purchased 10,000 shares at an average price per share of \$31.51. As of July 31, 2012, we are authorized to repurchase up to an additional \$11,268,000 of our common stock, excluding transaction costs.

See “Notes to Consolidated Financial Statements – Note (8) Credit Facility,” included in “Part II - Item 8. - Financial Statements and Supplementary Data,” for a description of certain restrictions on equity security repurchases.

Approximate Number of Equity Security Holders

As of September 21, 2012, there were approximately 720 holders of our common stock. Such number of record owners was determined from our shareholder records and does not include beneficial owners of our common stock held in the name of various security holders, dealers and clearing agencies.

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ITEM 6. SELECTED CONSOLIDATED FINANCIAL DATA

The following table shows selected historical consolidated financial data for our Company.

Detailed historical financial information is included in the audited consolidated financial statements for fiscal 2012, 2011 and 2010.

	Fiscal Years Ended July 31, (In thousands, except per share amounts)				
	2012	2011	2010	2009	2008
Consolidated Statement of Operations Data:					
Net sales	\$425,070	612,379	778,205	586,372	531,627
Cost of sales	241,561	371,333	507,607	345,472	296,687
Gross profit	183,509	241,046	270,598	240,900	234,940
Expenses:					
Selling, general and administrative	87,106	94,141	99,883	100,171	85,967
Research and development	38,489	43,516	46,192	50,010	40,472
In-process research and development	—	—	—	6,200	—
Amortization of intangibles	6,637	8,091	7,294	7,592	1,710
Impairment of goodwill	—	—	13,249	—	—
Merger termination fee, net	—	(12,500)	—	—	—
	132,232	133,248	166,618	163,973	128,149
Operating income	51,277	107,798	103,980	76,927	106,791
Other expenses (income):					
Interest expense	8,832	8,415	7,888	6,396	7,100
Interest income and other	(1,595)	(2,421)	(1,210)	(2,738)	(14,065)
Income before provision for income taxes	44,040	101,804	97,302	73,269	113,756
Provision for income taxes	11,624	33,909	36,672	25,744	40,106
Net income	\$32,416	67,895	60,630	47,525	73,650
Net income per share:					
Basic	\$1.62	2.53	2.14	1.81	3.05
Diluted	\$1.42	2.22	1.91	1.73	2.76
Weighted average number of common shares outstanding – basic	19,995	26,842	28,270	26,321	24,138
Weighted average number of common and common equivalent shares outstanding – diluted	25,991	32,623	34,074	29,793	28,278
Dividends declared per issued and outstanding common share as of the applicable dividend record date	\$1.10	1.00	—	—	—

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	Fiscal Years Ended July 31, (In thousands)				
	2012	2011	2010	2009	2008
Other Consolidated Operating Data:					
Backlog at period-end	\$ 153,939	145,029	338,107	549,833	201,122
New orders	433,980	419,301	567,457	883,750	603,705
Research and development expenditures - internal and customer funded	44,153	54,219	58,803	64,955	48,224
	As of July 31, (In thousands)				
	2012	2011	2010	2009	2008
Consolidated Balance Sheet Data:					
Total assets	\$ 719,778	937,509	1,066,562	938,671	652,723
Working capital	434,221	627,008	686,600	596,525	484,454
Convertible senior notes	200,000	200,000	200,000	200,000	91,946
Other long-term obligations	5,098	6,360	2,518	2,283	—
Stockholders' equity	429,401	629,180	701,632	629,129	450,773

On November 13, 2009, we filed a Report on Form 8-K with the SEC which contains our financial statements for the historical fiscal years ended July 31, 2005 through July 31, 2009, as retroactively adjusted for the adoption of FASB ASC 470-20, "Debt - Debt With Conversion and Other Options." The periods presented herein reflect the retroactive adjustment for this adoption.

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Overview

We design, develop, produce and market innovative products, systems and services for advanced communications solutions. We believe many of our solutions play a vital role in providing or enhancing communication capabilities when terrestrial communications infrastructure is unavailable, inefficient or too expensive. We conduct our business through three complementary operating segments: telecommunications transmission, RF microwave amplifiers and mobile data communications. We sell our products to a diverse customer base in the global commercial and government communications markets. We believe we are a leader in the market segments that we serve.

Our telecommunications transmission segment provides sophisticated equipment and systems that are used to enhance satellite transmission efficiency and that enable wireless communications in environments where terrestrial communications are unavailable, inefficient or too expensive. Our telecommunications transmission segment also operates our high-volume technology manufacturing center that can be utilized, in part, by our RF microwave amplifiers and mobile data communications segments and to a much lesser extent by third-party commercial customers who outsource a portion of their manufacturing to us. Accordingly, our telecommunications transmission segment's operating results are impacted positively or negatively by the level of utilization of our high-volume manufacturing center.

Our RF microwave amplifiers segment designs, manufactures and markets traveling wave tube amplifiers and solid-state amplifiers, including high-power, broadband RF microwave amplifier products.

Our mobile data communications segment provides customers with integrated solutions, including mobile satellite transceivers and satellite network support, to enable global satellite-based communications when mobile, real-time, secure transmission is required for applications including logistics, support and battlefield command and control. The vast majority of sales in our mobile data communications segment have historically been derived from indefinite delivery/indefinite quantity (“IDIQ”) contracts to support two U.S. military programs known as Movement Tracking System (“MTS”) and Blue Force Tracking (“BFT-1”). As discussed in this Annual Report on Form 10-K (“Form 10-K”), in fiscal 2013 and beyond, we expect revenues in this segment to be at materially lower levels than we achieved in fiscal 2012 because the BFT-1 program is in a sustainment mode (See “BFT-1 Sustainment Activities” below). Also, during fiscal 2012, we adopted a plan to wind-down our mobile data communications segment's microsatellite product line. In connection with this decision, we recorded a \$2.6 million restructuring charge, of which \$1.3 million is reflected in cost of sales and \$1.3 million is reflected in selling, general and administrative expenses.

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Quarterly and period-to-period sales and operating results may be significantly affected by either short-term or long-term contracts with our customers. In addition, our gross profit is affected by a variety of factors, including the mix of products, systems and services sold, production efficiencies, estimates of warranty expense, price competition and general economic conditions. Our gross profit may also be affected by the impact of any cumulative adjustments to contracts that are accounted for under the percentage-of-completion method.

Our contracts with the U.S. government can be terminated at any time and orders are subject to unpredictable funding, deployment and technology decisions by the U.S. government. Some of these contracts, such as the BFT-1 sustainment contract, are IDIQ contracts, and as such, the U.S. government is not obligated to purchase any equipment or services under these contracts. We have in the past experienced and we continue to expect significant fluctuations in sales and operating results from quarter-to-quarter and period-to-period. As such, comparisons between periods and our current results may not be indicative of a trend or future performance.

As further discussed below, under “Critical Accounting Policies,” revenue from the sale of our products is generally recognized when the earnings process is complete, upon shipment or customer acceptance. Revenue from contracts relating to the design, development or manufacture of complex electronic equipment to a buyer’s specification or to provide services relating to the performance of such contracts is generally recognized in accordance with accounting standards that have been codified into Financial Accounting Standards Board (“FASB”) Accounting Standards Codification (“ASC”) 605-35, “Revenue Recognition - Construction-Type and Production-Type Contracts” (“ASC 605-35”). Revenue from contracts that contain multiple elements that are not accounted for under FASB ASC 605-35 is generally accounted for in accordance with FASB ASC 605-25, “Revenue Recognition - Multiple Element Arrangements,” which, among other things, requires revenue associated with multiple element arrangements to be allocated to each element based on the relative selling price method.

BFT-1 Sustainment Activities

The vast majority of sales in our mobile data communications segment have historically come from sales relating to U.S. military programs known as the U.S. Army’s Movement Tracking System (“MTS”) program and the Force XXI Battle Command, Brigade and Below (“FBCB2”) command and control system’s Blue Force Tracking (“BFT-1”) program. Our combined MTS and BFT-1 sales for fiscal 2010 through fiscal 2012 were as follows:

	Net Sales (in millions)	Percentage of Mobile Data Communications Segment Net Sales	Percentage of Consolidated Net Sales	
2012	\$87.8	78.0	% 20.6	%
2011	248.6	86.2	% 40.6	%
2010	423.2	94.8	% 54.4	%

We have supplied mobile satellite transceivers, vehicle and command center application software, third-party produced ruggedized computers and satellite earth station network gateways and associated installation, training and maintenance to the MTS program which now operates under the auspices of the BFT-1 program under the direction of the FBCB2-BFT program office. Our MTS-related services also included the monitoring of satellite packet data networks.

In July 2010, a third party vendor was selected by the U.S. Army to develop a next generation BFT program known as BFT-2. The U.S. Army has stated that it expects to transition to BFT-2 as quickly as possible. We expect that future MTS and BFT-1 orders and related sales will largely be dependent on the ability and speed of the U.S. Army to transition to the BFT-2 system. As a result, we expect future annual sales (and related operating income) from both of these programs to materially decline from current levels.

We are currently providing BFT-1 sustainment services pursuant to a three-year IDIQ BFT-1 sustainment contract that we were awarded in March 2012. This three-year contract has a not-to-exceed value of \$80.7 million and a base performance period that began April 1, 2012 and ends March 31, 2013. The contract provides for two twelve-month option periods exercisable by the U.S. Army and, except for a fixed annual intellectual property license ("IP license") fee of \$10.0 million, the three-year \$80.7 million contract value is subject to finalization and downward negotiation. Effective July 1, 2012, we are no longer procuring satellite bandwidth for the U.S. Army.

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Under the terms of the BFT-1 sustainment contract, we agreed to perform certain satellite network and related engineering services (including program management) on a cost-plus-fixed-fee basis. In addition, the contract allows the U.S. Army to purchase certain mobile satellite transceivers on a firm fixed-price basis. Specific terms and conditions related to the IP license are covered by a separate licensing agreement that provides for annual renewals, at the U.S. Army's option, for up to a five-year period, after which time the U.S. Army will have a limited non-exclusive right to use certain of our IP for no additional IP licensing fee. Payments of annual IP license fees beyond the base year are contingent upon the U.S. Army's exercise of optional performance periods.

In connection with the initial three-year \$80.7 million IDIQ BFT-1 sustainment contract award, we received a funded order for the initial base year of \$17.0 million, of which \$10.0 million was designated for payment of the first year IP license fee and \$7.0 million was designated for engineering services, program management and satellite network operations. Pricing for the engineering services, program management and satellite network operations has not yet been finalized and it is possible that we can receive incremental funding of up to \$8.6 million upon finalization.

Our BFT-1 sustainment contract can be terminated by the government at any time and is not subject to automatic renewal. Except for orders received to date, the U.S. Army is not obligated to purchase any additional equipment or services under this IDIQ contract. We believe that any future MTS and BFT-1 orders and related sales will largely be dependent on the ability and speed of the U.S. Army to transition to the BFT-2 system and we expect future annual sales (and related operating income) from both of these programs to materially decline from current levels.

Critical Accounting Policies

We consider certain accounting policies to be critical due to the estimation process involved in each.

Revenue Recognition on Long-Term Contracts. Revenues and related costs from long-term contracts relating to the design, development or manufacture of complex electronic equipment to a buyer's specification or to provide services relating to the performance of such contracts are recognized in accordance with FASB ASC 605, "Revenue Recognition - Construction-Type and Production-Type Contracts" ("ASC 605-35"). We primarily apply the percentage-of-completion accounting method and generally recognize revenue based on the relationship of total costs incurred to total projected costs, or, alternatively, based on output measures, such as units delivered or produced. Profits expected to be realized on such contracts are based on total estimated sales for the contract compared to total estimated costs, including warranty costs, at completion of the contract.

Direct costs which include materials, labor and overhead are charged to work-in-progress (including our contracts-in-progress) inventory or cost of sales. Indirect costs relating to long-term contracts, which include expenses such as general and administrative, are charged to expense as incurred and are not included in our work-in-process (including our contracts-in-progress) inventory or cost of sales. Total estimates are reviewed and revised periodically throughout the lives of the contracts, and adjustments to profits resulting from such revisions are made cumulative to the date of the change. Estimated losses on long-term contracts are recorded in the period in which the losses become evident. Long-term U.S. government cost-reimbursable type contracts are also specifically covered by FASB ASC 605-35.

We have been engaged in the production and delivery of goods and services on a continual basis under contractual arrangements for many years. Historically, we have demonstrated an ability to accurately estimate total revenues and total expenses relating to our long-term contracts. However, there exist inherent risks and uncertainties in estimating revenues, expenses and progress toward completion, particularly on larger or longer-term contracts. If we do not accurately estimate the total sales, related costs and progress towards completion on such contracts, the estimated gross margins may be significantly impacted or losses may need to be recognized in future periods. Any such resulting changes in margins or contract losses could be material to our results of operations and financial condition.

In addition, most government contracts have termination for convenience clauses that provide the customer with the right to terminate the contract at any time. Such terminations could impact the assumptions regarding total contract revenues and expenses utilized in recognizing profit under the percentage-of-completion method of accounting. Changes to these assumptions could materially impact our results of operations and financial condition. Historically, we have not experienced material terminations of our long-term contracts. We also address customer acceptance provisions in assessing our ability to perform our contractual obligations under long-term contracts. Our inability to perform on our long-term contracts could materially impact our results of operations and financial condition. Historically, we have been able to perform on our long-term contracts.

Accounting for Stock-Based Compensation. As discussed further in “Notes to Consolidated Financial Statements – Note (1)(j) Accounting for Stock-Based Compensation” included in “Part II — Item 8 — Financial Statements and Supplementary Data,” we issue stock-based awards to certain of our employees and our Board of Directors and we recognize related stock-based compensation for both equity and liability-classified stock-based awards in our consolidated financial statements.

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We have used and expect to continue to use the Black-Scholes option pricing model to compute the estimated fair value of certain stock-based awards. The Black-Scholes option pricing model includes assumptions regarding dividend yield, expected volatility, expected option term and risk-free interest rates. The assumptions used in computing the fair value of stock-based awards reflect our best estimates, but involve uncertainties relating to market and other conditions, many of which are outside of our control.

The expected dividend yield is the expected annual dividend as a percentage of the fair market value of the stock on the date of grant. We estimate expected volatility by considering the historical volatility of our stock, the implied volatility of publicly traded call options on our stock, the implied volatility from call options embedded in our 3.0% convertible senior notes and our expectations of volatility for the expected life of stock options. The expected option term is the number of years that we estimate that stock options will be outstanding prior to exercise based upon exercise patterns. The risk-free interest rate is based on the U.S. treasury yield curve in effect at the time of grant for an instrument which closely approximates the expected option term. As a result, if other assumptions or estimates had been used for stock options granted, stock-based compensation expense that was recorded could have been materially different. Furthermore, if different assumptions are used in future periods, stock-based compensation expense could be materially impacted in the future.

Impairment of Goodwill and Other Intangible Assets. As of July 31, 2012, our goodwill and other intangible assets aggregated \$176.2 million (of which \$107.8 million relates to goodwill allocated to our telecommunications transmission segment and \$29.6 million relates to goodwill allocated to our RF microwave amplifiers segment).

For purposes of reviewing impairment and the recoverability of goodwill and other intangible assets, each of our three operating segments constitutes a reporting unit and we must make various assumptions regarding estimated future cash flows and other factors in determining the fair values of the reporting unit. If these estimates or their related assumptions change in the future, or if we change our reporting structure, we may be required to record impairment charges. If global economic conditions deteriorate from current levels, or if the market value of our equity or assets declines significantly, or if we are not successful in achieving our expected sales levels or if other events or changes in circumstances occur that indicate that the carrying amount of our assets may not be recoverable, our goodwill may become impaired.

We perform an annual impairment review in the first quarter of each fiscal year. On August 1, 2012, we performed our annual impairment review for fiscal 2013 and determined that none of the goodwill recorded on our Consolidated Balance Sheet was impaired.

Based on the review performed as of August 1, 2012, we concluded that our telecommunications transmission reporting unit had an estimated fair value in excess of total asset book value of at least 7.0%. Given current adverse business conditions in our telecommunications transmission reporting unit's end-markets, we considered, for sensitivity purposes only, a revenue growth rate that is below our actual fiscal 2013 expectations. If our telecommunications transmission reporting unit does not ultimately achieve the expectations of revenues and operating income that we utilized in our sensitivity analysis, a portion or all of the \$107.8 million of goodwill in this reporting unit may be impaired in future periods.

Based on the review performed as of August 1, 2012, we concluded that our RF microwave amplifiers reporting unit had an estimated fair value in excess of total asset book value of approximately 84.0%. For sensitivity purposes only, we assumed a revenue growth rate for this reporting unit that is below our actual fiscal 2013 expectations. If our RF microwave amplifiers reporting unit does not ultimately achieve the expectations of revenues and operating income that we utilized in our sensitivity analysis, a portion or all of the \$29.6 million of goodwill in this reporting unit may be impaired in future periods.

Unless there are future indicators of impairment, such as a significant adverse change in our future financial performance, our next impairment review for goodwill will be performed and completed in the first quarter of fiscal 2014. Any impairment charges that we may take in the future could be material to our results of operations and financial condition.

Provision for Warranty Obligations. We provide warranty coverage for most of our products, including products under long-term contracts, for a period of at least one year from the date of shipment. We record a liability for estimated warranty expense based on historical claims, product failure rates and other factors. Costs associated with some of our warranties that are provided under long-term contracts are incorporated into our estimates of total contract costs.

There exist inherent risks and uncertainties in estimating warranty expenses, particularly on larger or longer-term contracts. As such, if we do not accurately estimate our warranty costs, any changes to our original estimates could be material to our results of operations and financial condition.

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Accounting for Income Taxes. Our deferred tax assets and liabilities are determined based on temporary differences between financial reporting and tax bases of assets and liabilities, and applying enacted tax rates expected to be in effect for the year in which the differences are expected to reverse. Our provision for income taxes is based on domestic (including federal and state) and international statutory income tax rates in the tax jurisdictions where we operate, permanent differences between financial reporting and tax reporting and available credits and incentives. We recognize interest and penalties related to uncertain tax positions in income tax expense. The U.S. federal government is our most significant income tax jurisdiction.

Significant judgment is required in determining income tax provisions and tax positions. We may be challenged upon review by the applicable taxing authority and positions taken by us may not be sustained. We recognize all or a portion of the benefit of income tax positions only when we have made a determination that it is more-likely-than-not that the tax position will be sustained upon examination, based upon the technical merits of the position and other factors. For tax positions that are determined as more-likely-than-not to be sustained upon examination, the tax benefit recognized is the largest amount of benefit that is greater than 50% likely of being realized upon ultimate settlement. The development of reserves for income tax positions requires consideration of timing and judgments about tax issues and potential outcomes, and is a subjective critical estimate. In certain circumstances, the ultimate outcome of exposures and risks involves significant uncertainties. If actual outcomes differ materially from these estimates, they could have a material impact on our results of operations and financial condition.

Provisions for Excess and Obsolete Inventory. We record a provision for excess and obsolete inventory based on historical and future usage trends. Other factors may also influence our provision, including decisions to exit a product line, technological change and new product development. These factors could result in a change in the amount of excess and obsolete inventory on hand. Additionally, our estimates of future product demand may prove to be inaccurate, in which case we may have understated or overstated the provision required for excess and obsolete inventory. In the future, if we determine that our inventory was overvalued, we would be required to recognize such costs in our financial statements at the time of such determination. Any such charge could be material to our results of operations and financial condition.

Allowance for Doubtful Accounts. We perform credit evaluations of our customers and adjust credit limits based upon customer payment history and current creditworthiness, as determined by our review of our customers' current credit information. Generally, we will require cash in advance or payment secured by irrevocable letters of credit before an order is accepted from an international customer that we do not do business with regularly. In addition, we seek to obtain insurance for certain domestic and international customers.

We monitor collections and payments from our customers and maintain an allowance for doubtful accounts based upon our historical experience and any specific customer collection issues that we have identified. In light of ongoing tight credit market conditions, we continue to see requests from our customers for higher credit limits and longer payment terms. Because of our strong cash position and the nominal amount of interest we are earning on our cash and cash equivalents, we have, on a limited basis, approved certain customer requests.

We continue to monitor our accounts receivable credit portfolio and have not had any significant negative customer credit experiences to date. While our credit losses have historically been within our expectations of the allowances established, we cannot guarantee that we will continue to experience the same credit loss rates that we have in the past, especially in light of the current global economic conditions and much tighter credit environment. Measurement of credit losses requires consideration of historical loss experience, including the need to adjust for current conditions, and judgments about the probable effects of relevant observable data, including present economic conditions such as delinquency rates and the financial health of specific customers. Changes to the estimated allowance for doubtful accounts could be material to our results of operations and financial condition.

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Results of Operations

The following table sets forth, for the periods indicated, certain income and expense items expressed as a percentage of our consolidated net sales:

	Fiscal Years Ended July 31,			
	2012	2011	2010	
Net sales	100.0	% 100.0	% 100.0	%
Gross margin	43.2	39.4	34.8	
Selling, general and administrative expenses	20.5	15.4	12.8	
Research and development expenses	9.1	7.1	5.9	
Amortization of intangibles	1.6	1.3	0.9	
Impairment of goodwill	—	—	1.7	
Merger termination fee, net	—	(2.0)	—	
Operating income	12.1	17.6	13.4	
Interest expense (income) and other, net	1.7	1.0	0.9	
Income before provision for income taxes	10.4	16.6	12.5	
Net income	7.6	11.1	7.8	

Business Outlook for Fiscal 2013

Total consolidated net sales in fiscal 2013 are expected to be lower than the \$425.1 million we achieved in fiscal 2012, almost entirely due to lower expected net sales in our mobile data communications segment. We anticipate revenue growth in our telecommunications transmission segment in fiscal 2013 and believe that sales in our RF microwave amplifiers segment in fiscal 2013 will be comparable to the amount we achieved in fiscal 2012.

During fiscal 2013, we expect a materially lower level of sales in our mobile data communications segment, as compared to fiscal 2012, due to lower expected sales to the U.S. Army for the BFT-1 program and because we are no longer offering microsatellite products to our customers (which accounted for \$17.7 million of revenues in fiscal 2012). Our business outlook for fiscal 2013 assumes that the U.S. Army will exercise the twelve month option period beginning April 2013 pursuant to our existing three-year BFT-1 sustainment contract. However, if the U.S. Army does not exercise this option, it is possible that we may not generate any revenues from the BFT-1 program beyond March 31, 2013.

In response to our expectations of lower consolidated net sales in fiscal 2013, we have taken, and continue to take, a number of cost reduction actions throughout our operating segments and we expect to continue to refine our cost structure going forward. Our business outlook assumes that we will likely record a \$1.0 million restructuring charge during the first quarter of fiscal 2013 in connection with the wind-down of our microsatellite product line.

As of July 31, 2012, we had cash and cash equivalents of \$367.9 million. We expect to supplement organic growth opportunities by making one or more acquisitions.

Our business outlook for fiscal 2013 is difficult to predict as we continue to operate our business in an environment of challenging global economic conditions and U.S. and foreign government budget constraints.

On November 23, 2011, the Joint Select Committee on Deficit Reduction (commonly referred to as the Super Committee which was established as part of the Budget Control Act of 2011) failed to recommend legislation that would reduce net U.S. government spending by at least \$1.2 trillion over the next 10 years. As of September 26, 2012, Congress has not yet identified the required spending reductions and, as a result, it is possible that there will be an

automatic sequestration of discretionary appropriations for U.S. defense programs. Although we believe that the majority of our products and services are well aligned with national defense and other national priorities, we cannot predict the outcome of final budget deliberations, other actions of Congress, or the extent to which any reductions in spending may impact total funding and/or individual funding for programs in which we participate and the resulting impact to our business and financial outlook and actual results.

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To date, largely as a result of overall challenging macroeconomic conditions and significant U.S. and foreign government budget constraints, we have experienced delays in customer orders and reductions in customer spending. If business conditions further deteriorate or our current or prospective customers materially postpone, reduce or even forgo purchases of our products and services to a greater extent than we currently anticipate, our business outlook will be adversely affected.

Additional information related to our fiscal 2013 business outlook on certain income statement line items and recent operating segment booking trends is included in the below section entitled "Comparison of Fiscal 2012 and 2011."

Comparison of Fiscal 2012 and 2011

Net Sales. Consolidated net sales were \$425.1 million and \$612.4 million for fiscal 2012 and 2011, respectively, representing a decrease of \$187.3 million, or 30.6%. As further discussed below, the significant period-over-period decrease reflects lower net sales in our telecommunications transmission segment, and more notably in our mobile data communications segment, partially offset by higher sales in our RF microwave amplifiers segment.

Telecommunications transmission

Net sales in our telecommunications transmission segment were \$210.0 million and \$232.0 million for fiscal 2012 and 2011, respectively, a decrease of \$22.0 million, or 9.5%. This decrease reflects significantly lower sales in our over-the-horizon microwave systems product line and, to a lesser extent, lower sales in our satellite earth station product line.

Sales of our satellite earth station products were lower during fiscal 2012 as compared to fiscal 2011. Although sales related to international customers were higher in fiscal 2012 as compared to fiscal 2011, sales related to the U.S. government were lower due to U.S. government budget pressures. Based on our current backlog and the anticipated timing of orders we expect to receive, we expect annual sales in this product line in fiscal 2013 to be higher than the level we achieved in fiscal 2012. However, if business conditions deteriorate from current levels and we do not receive expected orders, we may not be able to achieve our expected level of fiscal 2013 sales.

Sales of our over-the-horizon microwave systems significantly decreased during fiscal 2012 as compared to fiscal 2011, primarily as a result of lower sales related to a nearly completed \$36.3 million contract whose end-user is a North African government, and a completed \$11.0 million contract whose end-user is a Middle Eastern government. These decreases were offset, in part, by shipments related to orders for our Modular Transportable Troposcatter System ("MTTS") for end-use by the U.S. Army. In fiscal 2012, we began recording revenue related to a \$55.0 million contract we received in June 2012 from a domestic prime contractor to design and furnish a telecommunications system for use in a North African government's communications network. Revenue from this contract is expected to be recognized over a three-year performance period. Based on our current backlog and the anticipated receipt of future orders (including additional orders for our MTTS equipment), we expect annual sales in this product line in fiscal 2013 to be significantly higher than the level we achieved in fiscal 2012. If we do not receive additional MTTS and other expected orders, we may not be able to achieve our expected level of sales in fiscal 2013.

Our telecommunications transmission segment represented 49.4% of consolidated net sales for fiscal 2012 as compared to 37.9% for fiscal 2011. Bookings, sales and profitability in our telecommunications transmission segment can fluctuate from period-to-period due to many factors, including the book and ship nature of our satellite earth station product business, the current adverse conditions in the global economy and the timing of, and our related performance on, contracts from the U.S. government and international customers for our over-the-horizon microwave systems.

RF microwave amplifiers

Net sales in our RF microwave amplifiers segment were \$102.5 million for fiscal 2012, as compared to \$92.0 million for fiscal 2011, an increase of \$10.5 million, or 11.4%. This increase primarily reflects higher sales of our traveling wave tube amplifiers.

Bookings in our RF microwave amplifiers segment for fiscal 2012 were significantly higher as compared to fiscal 2011. Although overall market conditions remain challenging and the ability to predict the timing of additional awards remains difficult, we continue to see relatively strong demand for both our traveling wave tube and solid-state high-power amplifier product lines. Based on our current backlog and the anticipated timing of orders we expect to receive, we expect annual net sales in this segment in fiscal 2013 to be comparable to the level we achieved in fiscal 2012. However, if business conditions further deteriorate and we do not receive expected orders, we may not be able to achieve our expected level of sales in fiscal 2013.

Our RF microwave amplifiers segment represented 24.1% of consolidated net sales for fiscal 2012 as compared to 15.0% for fiscal 2011. Bookings, sales and profitability in our RF microwave amplifiers segment can fluctuate from period-to-period due to many factors, including the challenging business conditions and U.S. and international military budget constraints that currently exist, and the timing of, and our related performance on, contracts from the U.S. government and international customers.

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Mobile data communications

Net sales in our mobile data communications segment were \$112.6 million for fiscal 2012 as compared to \$288.4 million for fiscal 2011, a substantial decrease of \$175.8 million, or 61.0%. This decrease is attributable to a substantial anticipated decline in combined MTS and BFT-1 sales to the U.S. Army and, to a lesser extent, lower sales related to the design and manufacture of microsatellites.

Sales to the U.S. Army for both the MTS and BFT-1 programs during fiscal 2012 were \$87.8 million, or 78.0% of our mobile data communications segment's sales, as compared to \$248.6 million, or 86.2%, during fiscal 2011. MTS and BFT-1 program sales for fiscal 2012 reflect lower revenues resulting from the U.S. Army's July 2010 decision to award a third party a contract for the next-generation BFT-2 network and its related decision to combine the MTS program with the BFT-1 program.

Sales related to the design and manufacture of microsatellites for fiscal 2012 were \$17.7 million, a significant decrease from the \$30.5 million we achieved in fiscal 2011. This decline is almost entirely attributable to lower revenues related to our large contract to deliver a spacecraft bus to the U.S. Navy's Naval Research Laboratory. Pursuant to an agreement with our customer, we substantially ceased work related to this contract in June 2012. As a result of the extreme pressures on our U.S. government customer to reduce spending, and the lack of bookings and the uncertainty of future orders relating to our microsatellite product line, in the fourth quarter of fiscal 2012, we adopted a plan to wind-down our microsatellite product line. In connection with this plan, and as further discussed below, we recorded a \$2.6 million restructuring charge in fiscal 2012. As a result, we expect virtually no revenue to be generated from the sale of microsatellite products in fiscal 2013.

As discussed in the above section entitled "BFT-1 Sustainment Activities," we currently anticipate that the majority of future sales in our mobile data communications segment will be generated from sales of MTS and BFT-1 equipment and services pursuant to our three-year IDIQ contract. Based on the timing of our performance on orders currently in our backlog and additional orders we expect to receive, and due to the cessation of sales of microsatellite products, we expect sales in our mobile data communications segment to be materially lower in fiscal 2013 as compared to the level we achieved in fiscal 2012.

Our mobile data communications segment represented 26.5% of consolidated net sales for fiscal 2012 as compared to 47.1% for fiscal 2011. Bookings, sales and profitability in our mobile data communications segment can fluctuate dramatically from period-to-period due to many factors, including unpredictable funding, deployment and technology decisions by the U.S. government. As such, period-to-period comparisons of our results may not be indicative of a trend or future performance.

Geography and Customer Type

Sales to the U.S. government (including sales to prime contractors of the U.S. government) represented 48.9% and 61.7% of consolidated net sales for fiscal 2012 and 2011, respectively. International sales (which include sales to U.S. companies for inclusion in products that are sold to international customers) represented 38.7% and 30.2% of consolidated net sales for fiscal 2012 and 2011, respectively. Domestic commercial sales represented 12.4% and 8.1% of consolidated net sales for fiscal 2012 and 2011, respectively.

The lower percentage of consolidated net sales to the U.S. government during fiscal 2012 reflects substantially lower sales to the U.S. Army for the MTS and BFT-1 programs. In light of the decline in MTS and BFT-1 program sales that is expected to occur in fiscal 2013 and our decision to wind-down our microsatellite product line, we expect both our domestic commercial and international sales in fiscal 2013, as a percentage of consolidated net sales, to increase as compared to fiscal 2012.

Gross Profit. Gross profit was \$183.5 million and \$241.0 million for fiscal 2012 and 2011, respectively, representing a decrease of \$57.5 million which was primarily driven by the significant decline in consolidated net sales.

Despite the decline in gross profit dollars during fiscal 2012, our gross profit, as a percentage of consolidated net sales, increased from 39.4% for fiscal 2011 to 43.2% for fiscal 2012. During fiscal 2012, our gross profit benefited by approximately \$5.6 million related to the finalization of pricing for certain previously received MTS and BFT-1 orders, partially offset by a charge of \$1.3 million in cost of sales related to our plan to wind-down our microsatellite product line. Excluding this net benefit, gross profit, as a percentage of consolidated net sales for fiscal 2012, would have been 42.7% as compared to the 39.4% we achieved for fiscal 2011. This increase primarily reflects a significantly higher percentage of consolidated net sales occurring in our telecommunications transmission segment which generally has a higher gross profit percentage than our other two reportable operating segments and an overall better mix of products in our RF microwave amplifiers segment. We expect our gross profit, as a percentage of net sales, in fiscal 2013 to increase from the percentage we achieved in fiscal 2012. Gross profit, as a percentage of related segment sales is further discussed below.

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Our telecommunications transmission segment's gross profit, as a percentage of related net sales, for fiscal 2012, was higher than the percentage achieved for fiscal 2011. This increase is primarily attributable to better than expected performance related to our North African government and Middle Eastern government over-the-horizon microwave system contracts and an overall favorable product mix. Gross margins in our telecommunications transmission segment during fiscal 2012 reflect lower production, as compared to fiscal 2011, of MTS and BFT-1 products for our mobile data communications segment which, in turn, sells them to the U.S. Army. Based on the nature and type of orders that are currently in our backlog and anticipated orders we expect to receive, we expect the gross profit percentage in our telecommunications transmission segment, in fiscal 2013, to be slightly lower than the level this segment achieved in fiscal 2012.

Our RF microwave amplifiers segment experienced a higher gross profit, both in dollars and as a percentage of related net sales, for fiscal 2012 as compared to fiscal 2011. This increase is attributable to an improvement in overall product mix, including fewer developmental projects in fiscal 2012 as compared to fiscal 2011. Based on the nature and type of orders that are currently in our backlog and anticipated orders we expect to receive, we expect gross profit, both in dollars and as a percentage of related net sales in this segment in fiscal 2013 to be slightly lower than the level we achieved in fiscal 2012.

Our mobile data communications segment's gross profit, as a percentage of related net sales, for fiscal 2012 was slightly higher as compared to fiscal 2011. During fiscal 2012, this segment's gross profit benefited by approximately \$5.6 million related to the finalization of pricing for certain previously received MTS and BFT-1 orders. Excluding this benefit, our mobile data communications segment's gross profit, as a percentage of related net sales, for fiscal 2012 would have been lower than the level we achieved for fiscal 2011, primarily due to a change in overall product mix and a charge of \$1.3 million of the \$2.6 million restructuring charge associated with our decision to wind-down our microsatellite product line. Our fiscal 2012 gross profit in this segment also reflects the benefit from the four months of revenue we recorded related to our \$10.0 million annual intellectual property license ("IP license") fee that we collected in fiscal 2012 pursuant to a three-year BFT-1 IDIQ sustainment contract with the U.S. Army. Looking forward, the exact amount of our gross profit percentage expected in this segment in fiscal 2013 is difficult to quantify because, as discussed in the above section entitled "BFT-1 Sustainment Activities," the pricing and terms for various other contracted products and services has not yet been finalized and the U.S. Army is not obligated to order any additional products. Significant period-to-period fluctuations in our gross profit percentage and gross margins can occur in our mobile data communications segment as a result of the nature, timing and mix of actual deliveries which are primarily driven by the U.S. Army's requirements.

Included in consolidated cost of sales for fiscal 2012 and 2011 are provisions for excess and obsolete inventory of \$3.9 million and \$4.1 million, respectively. As discussed in our "Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations - Critical Accounting Policies - Provisions for Excess and Obsolete Inventory," we regularly review our inventory and record a provision for excess and obsolete inventory based on historical and projected usage assumptions.

It is always difficult to predict sales and product mix for each individual segment; as such it is difficult to estimate consolidated gross profit, as a percentage of consolidated net sales in future periods. Nevertheless, based on orders currently in our backlog and orders we expect to receive, we anticipate that our consolidated gross profit, as a percentage of consolidated net sales will be higher in fiscal 2013 as compared to fiscal 2012.

Selling, General and Administrative Expenses. Selling, general and administrative expenses were \$87.1 million and \$94.1 million for fiscal 2012 and 2011, respectively, representing a decrease of \$7.0 million, or 7.4%.

In fiscal 2012, our selling, general and administrative expenses reflect \$1.3 million of restructuring charges (including \$0.7 million of accelerated depreciation) of the \$2.6 million restructuring charge associated with our decision to

wind-down our microsatellite product line. In addition, selling, general and administrative expenses in fiscal 2012 reflect \$2.6 million of costs related to a contested proxy solicitation in connection with our fiscal 2011 annual meeting of stockholders. This contested proxy solicitation was initiated by a third party who publicly announced, on November 18, 2011, that it would not proceed with its proxy solicitation. There was no agreement with, consideration paid to, or any accommodation granted to this third party by us.

Excluding the \$3.9 million of restructuring and proxy solicitation costs discussed above, our selling, general and administrative expenses for fiscal 2012 decreased by \$10.9 million as compared to fiscal 2011. This decrease was primarily driven by a decrease in (i) compensation-related expenses associated with a lower level of consolidated net sales during fiscal 2012 and (ii) lower depreciation expense related to certain mobile data communications segment fixed assets fully depreciated in fiscal 2011 due to the expiration of our MTS contract. This decrease was partially offset by increased legal costs and professional fees associated with legal proceedings and other matters, including those specifically discussed in “Notes to Consolidated Financial Statements - Note (14)(b) Commitments and Contingencies - Legal Proceedings and Other Matters” included in “Part II - Item 8. - Financial Statements and Supplementary Data.”

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Amortization of stock-based compensation expense recorded as selling, general and administrative expenses decreased to \$2.7 million in fiscal 2012 from \$4.0 million in fiscal 2011.

As a percentage of consolidated net sales, selling, general and administrative expenses were 20.5% and 15.4% for fiscal 2012 and 2011, respectively. This increase is primarily attributable to the significantly lower level of consolidated net sales during fiscal 2012 as compared to fiscal 2011.

Selling, general and administrative expenses, in dollars, are currently expected to decrease in fiscal 2013 as compared to fiscal 2012. As a percentage of consolidated net sales, we expect selling, general and administrative expenses to increase. We also expect to record approximately \$1.0 million of additional microsatellite product line restructuring charges during the first quarter of fiscal 2013, at which time efforts related to this product line are expected to cease. As previously discussed in our earlier SEC filings, we have taken and continue to take cost reduction actions in all of our reportable operating segments.

Research and Development Expenses. Research and development expenses were \$38.5 million and \$43.5 million for fiscal 2012 and 2011, respectively, representing a decrease of \$5.0 million, or 11.5%.

For fiscal 2012 and 2011, research and development expenses of \$28.2 million and \$27.6 million, respectively, related to our telecommunications transmission segment, \$8.7 million and \$8.8 million, respectively, related to our RF microwave amplifiers segment, \$1.0 million and \$6.1 million, respectively, related to our mobile data communications segment, with the remaining expenses related to the amortization of stock-based compensation expense which is not allocated to our three operating segments.

Amortization of stock-based compensation expense recorded as research and development expenses was \$0.6 million and \$1.0 million for fiscal 2012 and 2011, respectively.

As a percentage of consolidated net sales, research and development expenses were 9.1% and 7.1% for fiscal 2012 and 2011, respectively. The increase in research and development expenses, as a percentage of consolidated net sales, is attributable to the significantly lower level of consolidated net sales during fiscal 2012 as compared to fiscal 2011. We expect research and development expenses, in dollars, for fiscal 2013 to be comparable to the amount we invested during fiscal 2012 and, as a percentage of consolidated net sales, to increase.

As an investment for the future, we are continually enhancing our existing products and developing new products and technologies. Whenever possible, we seek customer funding for research and development to adapt our products to specialized customer requirements. During fiscal 2012 and 2011, customers reimbursed us \$5.7 million and \$10.7 million, respectively, which is not reflected in the reported research and development expenses, but is included in net sales with the related costs included in cost of sales.

Amortization of Intangibles. Amortization relating to intangible assets with finite lives was \$6.6 million and \$8.1 million in fiscal 2012 and 2011, respectively. The decrease is primarily attributable to certain intangible assets that were fully amortized in fiscal 2011 and 2012.

Excluding the impact of any acquisitions that we may make in fiscal 2013, amortization of intangibles with finite lives for fiscal 2013 is currently anticipated to approximate \$6.3 million.

Merger Termination Fee. During fiscal 2011, we benefited from the receipt of a net merger termination fee of \$12.5 million related to a Termination and Release Agreement dated September 7, 2010, by which we and CPI International, Inc. ("CPI") terminated a previously announced Merger Agreement dated May 8, 2010.

Operating Income. Operating income for fiscal 2012 and 2011 was \$51.3 million, or 12.1% of consolidated net sales, and \$107.8 million, or 17.6% of consolidated net sales, respectively.

Excluding the net benefit to operating income during fiscal 2012 associated with the previously discussed finalization of pricing and increased funding for certain MTS and BFT-1 orders, the \$2.6 million of costs associated with the withdrawn contested proxy solicitation and the \$2.6 million of microsatellite product line restructuring charges, operating income approximated \$50.9 million, or 12.1% of consolidated net sales for fiscal 2012. Excluding the net merger termination fee of \$12.5 million recorded in the first quarter of fiscal 2011, operating income approximated \$95.3 million or 15.6% of consolidated net sales for fiscal 2011.

The decline in operating income (both in dollars and as a percentage of consolidated net sales) is attributable to the significantly lower level of consolidated net sales we achieved during fiscal 2012 as compared to fiscal 2011. Operating income, by segment, is discussed further below.

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Operating income in our telecommunications transmission segment was \$41.7 million or 19.9% of related net sales for fiscal 2012 as compared to \$49.9 million or 21.5% of related net sales for fiscal 2011. This decrease in operating income, both in dollars and as a percentage of related net sales, is primarily attributable to the decrease in this segment's net sales and slightly higher research and development expenses, as discussed above. Operating income in this segment, during fiscal 2012, also reflects increased legal fees and professional costs associated with legal proceedings and other matters, including those discussed in "Notes to Consolidated Financial Statements - Note (14)(b) Commitments and Contingencies - Legal Proceedings and Other Matters" included in "Part II - Item 8. - Financial Statements and Supplementary Data."

Our RF microwave amplifiers segment generated operating income of \$7.6 million or 7.4% of related net sales for fiscal 2012 as compared to \$1.1 million or 1.2% of related net sales for fiscal 2011. This increase in operating income, both in dollars and as a percentage of related net sales, is primarily due to higher net sales and a higher gross profit as a percentage of related net sales, as discussed above.

Our mobile data communications segment generated operating income of \$20.0 million or 17.7% of related net sales for fiscal 2012 as compared to \$64.9 million or 22.5% of related net sales for fiscal 2011. The decrease in operating income, both in dollars and as a percentage of related net sales, was primarily due to this segment's lower net sales, partially offset by the increase in the gross profit percentage (including the fiscal 2012 benefit associated with the finalization of pricing related to certain MTS and BFT-1 orders), and lower operating expenses, as discussed above. Operating income in this segment, in fiscal 2012, also reflects \$2.6 million of charges related to our microsatellite product line restructuring plan. A further breakdown of these charges is discussed in "Notes to Consolidated Financial Statements - Note (7) Cost Reduction Actions" included in "Part II - Item 8. - Financial Statements and Supplementary Data."

Unallocated operating expenses were \$18.0 million for fiscal 2012 as compared to \$8.1 million for fiscal 2011. Excluding the aforementioned \$2.6 million of proxy solicitation costs recorded as selling, general and administrative expenses and the previously discussed receipt of a \$12.5 million net merger termination fee associated with the termination of the CPI acquisition agreement, unallocated operating expenses were \$15.4 million and \$20.6 million for fiscal 2012 and 2011, respectively. This \$5.2 million decrease is primarily attributable to a decline in selling, general and administrative expenses associated with the lower level of consolidated net sales, as discussed above. In addition, unallocated operating expenses in fiscal 2012 reflect legal fees and professional costs associated with certain legal proceedings and other matters, including those specifically discussed in "Notes to Consolidated Financial Statements - Note (14)(b) Commitments and Contingencies - Legal Proceedings and Other Matters" included in "Part II - Item 8. - Financial Statements and Supplementary Data."

Amortization of stock-based compensation expense, which is included in unallocated operating expenses, was \$3.6 million in fiscal 2012 as compared to \$5.4 million in fiscal 2011.

Because the pricing for various products and services we have agreed to provide to the U.S. Army has not yet been finalized and it remains difficult to predict our overall consolidated sales product mix, it is difficult to precisely estimate future operating margins as a percentage of related net sales. Nevertheless, based on the orders currently in our backlog and orders we expect to receive, our consolidated operating income, as a percentage of consolidated net sales, for fiscal 2013 is expected to be in the range of 13.0% to 14.0%.

Interest Expense. Interest expense was \$8.8 million and \$8.4 million for fiscal 2012 and 2011, respectively. The increase in interest expense is primarily due to (i) accelerated amortization of deferred financing costs related to lowering our borrowing capacity on our secured revolving credit facility from \$150.0 million to \$100.0 million, (ii) higher unused credit facility fees and (iii) a full year of accretion of interest on the contingent earn-out liability related to our October 2010 acquisition of technology assets from Stampede.

Interest Income and Other. Interest income and other for fiscal 2012 was \$1.6 million as compared to \$2.4 million for fiscal 2011. The decrease of \$0.8 million is primarily attributable to lower cash balances as a result of repurchases of our common stock and dividend payments. All of our available cash and cash equivalents are currently invested in bank deposits, money market mutual funds, certificates of deposit, and short-term U.S. Treasury securities which, at this time, are currently yielding a blended annual interest rate of approximately 0.38%.

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Provision for Income Taxes. The provision for income taxes was \$11.6 million and \$33.9 million for fiscal 2012 and 2011, respectively. Our effective tax rate was 26.4% for fiscal 2012 compared to 33.3% for fiscal 2011.

Our effective tax rate for fiscal 2012 reflects a net discrete tax benefit of approximately \$3.8 million, of which \$2.8 million relates to the effective settlement of certain federal and state income tax audits with the remaining amount principally relating to the reversal of previously recorded tax liabilities no longer required due to the expiration of applicable statutes of limitation. Our effective tax rate for fiscal 2011 reflects net discrete tax benefits of approximately \$1.7 million, primarily relating to the reversal of tax contingencies no longer required due to the expiration of applicable statutes of limitation, the passage of legislation that included the retroactive extension of the federal research and experimentation credit, and a reduction in expenses that were previously deemed to be non-deductible for tax purposes. For both fiscal 2012 and 2011, excluding discrete tax items in both periods, our effective tax rate was approximately 35.0%.

Excluding the impact of discrete tax items, our fiscal 2013 estimated effective tax rate is expected to approximate 34.5%. This rate reflects anticipated changes in the geographic mix of our earnings and increased domestic manufacturing deductions, offset, in part, by the expiration of the federal research and experimentation credit on December 31, 2011.

Our federal income tax returns for fiscal 2010, 2011 and 2012 are subject to potential future IRS audit. Future tax assessments or settlements for other potential later periods, or for other tax jurisdictions, could have a material adverse effect on our consolidated results of operations and financial condition.

Comparison of Fiscal 2011 and 2010

Net Sales. Consolidated net sales were \$612.4 million and \$778.2 million for fiscal 2011 and 2010, respectively, representing a decrease of \$165.8 million, or 21.3%. The period-over-period decrease in net sales is attributable to lower net sales in both our mobile data communications and RF microwave amplifiers segments offset, in part, by higher sales in our telecommunications transmission segment.

Telecommunications transmission

Net sales in our telecommunications transmission segment were \$232.0 million and \$219.7 million for fiscal 2011 and 2010, respectively, an increase of \$12.3 million, or 5.6%. Net sales in this segment reflect significantly higher sales of our over-the-horizon microwave systems, which were partially offset by lower sales of our satellite earth station products.

Sales of our satellite earth station products during fiscal 2011 were lower as compared to fiscal 2010. During fiscal 2011, our sales and bookings were negatively impacted by adverse global business conditions and volatile political conditions in certain end-customer markets. In addition, we experienced lower sales and bookings from our U.S. government customers who are under extreme pressure to reduce overall spending.

Sales of our over-the-horizon microwave systems for fiscal 2011 were significantly higher than sales for fiscal 2010. The increase was primarily driven by our performance on our \$36.3 million contract (including \$0.9 million of additional orders received in fiscal 2011) for our North African country end-customer and our \$11.0 million contract whose end-user is a Middle Eastern government.

Our telecommunications transmission segment represented 37.9% of consolidated net sales for fiscal 2011 as compared to 28.2% for fiscal 2010.

RF microwave amplifiers

Net sales in our RF microwave amplifiers segment were \$92.0 million for fiscal 2011, as compared to \$112.0 million for fiscal 2010, a decrease of \$20.0 million, or 17.9%. During fiscal 2011, our sales and bookings for both solid-state high-power amplifiers and traveling wave tube amplifiers were negatively impacted by adverse global business conditions and volatile political conditions in certain foreign markets. In addition, we experienced lower sales and bookings from our U.S. and international government customers who are under extreme pressure to reduce overall spending.

Our RF microwave amplifiers segment represented 15.0% of consolidated net sales for fiscal 2011 as compared to 14.4% for fiscal 2010.

Mobile data communications

Net sales in our mobile data communications segment were \$288.4 million and \$446.5 million for fiscal 2011 and 2010, respectively, a decrease of \$158.1 million, or 35.4%. This decrease is primarily attributable to a significant decline in sales to the U.S. Army partially offset by increased sales related to the design and manufacture of microsatellites.

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Sales to the U.S. Army for both the MTS and BFT-1 program during fiscal 2011 were \$248.6 million, or 86.2% of our mobile data communication's segment's sales, as compared to \$423.2 million, or 94.8%, during fiscal 2010. Sales to these programs declined in fiscal 2011 as compared to fiscal 2010 primarily as a result of lower shipments for certain large orders related to MTS ruggedized computers and related accessories in fiscal 2011 as compared to fiscal 2010. During fiscal 2011, our MTS contract expired and the program was consolidated into BFT-1.

Sales in our mobile data communications segment include sales related to the design and manufacture of microsatellites. Sales of this product line were \$30.5 million in fiscal 2011 as compared to \$12.6 million in fiscal 2010. This increase was primarily driven by our efforts to deliver a spacecraft bus to the U.S. Navy's Naval Research Laboratory pursuant to a contract award that we received in March 2010.

Our mobile data communications segment represented 47.1% of consolidated net sales for fiscal 2011 as compared to 57.4% for fiscal 2010.

Geography and Customer Type

Sales to the U.S. government (including sales to prime contractors of the U.S. government) represented 61.7% and 71.1% of consolidated net sales for fiscal 2011 and 2010, respectively. International sales (which include sales to U.S. companies for inclusion in products that are sold to international customers) represented 30.2% and 22.9% of consolidated net sales for fiscal 2011 and 2010, respectively. Domestic commercial sales represented 8.1% and 6.0% of consolidated net sales for fiscal 2011 and 2010, respectively.

Gross Profit. Gross profit was \$241.0 million and \$270.6 million for fiscal 2011 and 2010, respectively, representing a decrease of \$29.6 million. This decrease was driven by lower consolidated net sales that were partially offset by an increase in our gross profit as a percentage of consolidated net sales. Gross profit as a percentage of consolidated net sales was 39.4% for fiscal 2011 as compared to 34.8% for fiscal 2010. The increase in gross profit as a percentage of consolidated net sales during fiscal 2011 was primarily attributable to a higher percentage of consolidated net sales occurring in our telecommunications transmission segment. Our telecommunications transmission segment generally has a higher gross profit percentage than our other two reportable operating segments. In addition, our gross profit as a percentage of consolidated net sales was impacted by changes in product mix, as further discussed below.

Our telecommunications transmission segment's gross profit, as a percentage of related sales, for fiscal 2011 was lower than the gross profit percentage we achieved in fiscal 2010. This decline was driven by increased sales related to lower gross margins for certain over-the-horizon microwave system contracts. In addition, our gross profit percentage in fiscal 2011 reflects lower overall usage of our high-volume technology manufacturing center, located in Tempe, Arizona, that was primarily driven by lower production of MTS and BFT-1 products for our mobile data communications segment, which in turn, sells them to the U.S. Army.

Our RF microwave amplifiers segment experienced a lower gross profit, as a percentage of related net sales, during fiscal 2011 as compared to fiscal 2010, primarily due to lower overhead absorption associated with the lower RF microwave amplifiers net sales as discussed above, as well as reserves, primarily related to certain developmental projects.

Our mobile data communications segment experienced a significantly higher gross profit, as a percentage of related net sales, during fiscal 2011 as compared to fiscal 2010, due to changes in overall product mix. During fiscal 2011, we benefited from the sale of high gross margin MTS software license seats to the U.S. Army and we also benefited from the finalization and completed delivery of certain MTS orders.

Included in cost of sales for fiscal 2011 and 2010 are provisions for excess and obsolete inventory of \$4.1 million and \$7.7 million, respectively. During fiscal 2010, we recorded a write-down of approximately \$2.6 million of older

generation MTS computers that we had in our inventories. As discussed in our Item 7. “Management’s Discussion and Analysis of Financial Condition and Results of Operations – Critical Accounting Policies – Provisions for Excess and Obsolete Inventory,” we regularly review our inventory and record a provision for excess and obsolete inventory based on historical and projected usage assumptions.

Selling, General and Administrative Expenses. Selling, general and administrative expenses were \$94.1 million and \$99.9 million for fiscal 2011 and 2010, respectively, representing a decrease of \$5.8 million, or 5.8%. As a percentage of consolidated net sales, selling, general and administrative expenses were 15.4% and 12.8% for fiscal 2011 and 2010, respectively.

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The decrease in selling, general and administrative expenses during fiscal 2011 as compared to fiscal 2010 was driven by (i) lower overall spending resulting from cost reduction actions, (ii) lower amortization of stock-based compensation and (iii) the reversal of approximately \$2.0 million of certain cost contingencies which were no longer required. This decrease was offset, in part, by the acceleration of depreciation expense related to certain fixed assets no longer expected to be utilized by our mobile data communications segment as a result of the expiration of our MTS contract in July 2011.

Amortization of stock-based compensation expense recorded as selling, general and administrative expenses decreased to \$4.0 million in fiscal 2011 from \$6.3 million in fiscal 2010. Our stock-based compensation expense for fiscal 2010 included incremental expense associated with the extension of contractual lives for certain previously granted stock-based awards. There was no such modification in fiscal 2011.

Research and Development Expenses. Research and development expenses were \$43.5 million and \$46.2 million for fiscal 2011 and 2010, respectively, representing a decrease of \$2.7 million, or 5.8%.

For fiscal 2011 and 2010, research and development expenses of \$27.6 million and \$27.7 million, respectively, related to our telecommunications transmission segment, \$8.8 million and \$10.9 million, respectively, related to our RF microwave amplifiers segment and \$6.1 million and \$6.0 million, respectively, related to our mobile data communications segment, with the remaining expenses related to the amortization of stock-based compensation expense which is not allocated to our three reportable operating segments.

Amortization of stock-based compensation expense recorded as research and development expenses was \$1.0 million and \$1.6 million for fiscal 2011 and 2010, respectively. Our stock-based compensation expense for fiscal 2010 included the incremental expense related to the extension of contractual lives for certain previously granted stock-based awards. There was no such modification in fiscal 2011.

As a percentage of consolidated net sales, research and development expenses were 7.1% and 5.9% for fiscal 2011 and 2010, respectively. The increase in research and development expenses, as a percentage of consolidated net sales, is attributable to the significantly lower level of consolidated net sales during fiscal 2011 as compared to fiscal 2010.

During fiscal 2011 and 2010, customers reimbursed us \$10.7 million and \$12.6 million, respectively, which is not reflected in the reported research and development expenses, but is included in net sales with the related costs included in cost of sales.

Amortization of Intangibles. Amortization relating to intangible assets with finite lives was \$8.1 million and \$7.3 million for fiscal 2011 and 2010, respectively. Amortization for fiscal 2011 includes amortization expense associated with our October 2010 purchase of technology assets from Stampede.

Impairment of Goodwill. In fiscal 2010, we recorded a \$13.2 million goodwill impairment charge in our mobile data communications segment. There was no impairment of goodwill in fiscal 2011.

Merger Termination Fee. During fiscal 2011, we benefited from the receipt of a merger termination fee of \$12.5 million (net of certain directly related expenses) related to a Termination and Release Agreement dated September 7, 2010, by which we and CPI terminated a previously announced Merger Agreement dated May 8, 2010.

Operating Income. Operating income for fiscal 2011 and 2010 was \$107.8 million, or 17.6% of consolidated net sales, and \$104.0 million, or 13.4% of consolidated net sales, respectively. As further discussed below, excluding the net merger termination fee of \$12.5 million recorded in fiscal 2011 and the goodwill impairment charge of \$13.2 million recorded in fiscal 2010, operating income would have approximated 15.6% of fiscal 2011 consolidated net sales as

compared to 15.1% of fiscal 2010 consolidated net sales.

Operating income in our telecommunications transmission segment was \$49.9 million or 21.5% of related net sales, for fiscal 2011 as compared to \$47.5 million or 21.6% of related net sales for fiscal 2010. The slight decrease in operating income, as a percentage of related net sales is primarily attributed to a lower gross profit percentage, as discussed above.

Our RF microwave amplifiers segment generated operating income of \$1.1 million, or 1.2% of related net sales, for fiscal 2011 as compared to \$9.8 million or 8.8% of related net sales for fiscal 2010. The decrease in operating income, as a percentage of related net sales, is primarily due to this segment's decline in net sales and gross profit percentage, as discussed above, partially offset by lower operating expenses.

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Operating income in our mobile data communications segment was \$64.9 million, or 22.5% of related net sales, for fiscal 2011 as compared to \$75.5 million or 16.9% of related net sales for fiscal 2010. The increase in operating income, as a percentage of related net sales, was driven by the significant increase in the gross profit percentage, as discussed above. This increase was partially offset by additional depreciation expense related to certain fixed assets, as discussed above. Operating income in fiscal 2010 includes an expense of \$13.2 million for goodwill impairment.

Unallocated operating expenses were \$8.1 million for fiscal 2011 as compared to \$28.8 million for fiscal 2010. Excluding the net merger termination fee of \$12.5 million, unallocated operating expenses for fiscal 2011 were \$20.6 million, which represents a decrease of \$8.2 million as compared to fiscal 2010. The significant decrease was primarily due to lower overall spending as a result of our cost reduction efforts and lower stock-based compensation expense and the reversal of approximately \$2.0 million related to certain cost contingencies that were no longer required.

Amortization of stock-based compensation expense, which is included in unallocated operating expenses, was \$5.4 million in fiscal 2011 as compared to \$8.7 million in fiscal 2010.

Interest Expense. Interest expense was \$8.4 million and \$7.9 million for fiscal 2011 and 2010, respectively. The increase in interest expense is primarily due to the (i) accretion of interest on the contingent earn-out liability related to our October 2010 acquisition of technology assets from Stampede and (ii) incremental interest expense associated with our unsecured revolving credit facility which was increased in August 2010 from \$100.0 million to \$150.0 million.

Interest Income and Other. Interest income and other for fiscal 2011 was \$2.4 million, as compared to \$1.2 million for fiscal 2010. The increase of \$1.2 million is primarily attributable to an increase in year-over-year interest rates that we earned.

Provision for Income Taxes. The provision for income taxes was \$33.9 million and \$36.7 million for fiscal 2011 and 2010, respectively. Our effective tax rate was 33.3% for fiscal 2011 compared to 37.7% for fiscal 2010.

Our effective tax rate for fiscal 2011 reflects net discrete tax benefits of approximately \$1.7 million, primarily relating to the reversal of tax contingencies no longer required due to the expiration of applicable statutes of limitation, the passage of legislation which included the retroactive extension of the federal research and experimentation credit, and a reduction in expenses that were previously deemed to be non-deductible for tax purposes. Our effective tax rate for fiscal 2010 reflects a net discrete tax benefit of approximately \$0.1 million. In addition, our fiscal 2010 effective tax rate reflects the fact that a portion of our \$13.2 million expense for the impairment of our mobile data communications segment's goodwill was non-deductible for income tax purposes.

Excluding all of the aforementioned items in both periods, our effective tax rate for fiscal 2011 was approximately 35.0% as compared to 36.0% for fiscal 2010. The decrease is primarily attributable to the retroactive extension of the federal research and experimentation credit (whose related legislation was extended in December 2010), and the increased benefit of our domestic production activities deduction (resulting from the scheduled phase-in of the related legislation).

Liquidity and Capital Resources

Our unrestricted cash and cash equivalents decreased to \$367.9 million at July 31, 2012 from \$558.8 million at July 31, 2011, representing a decrease of \$190.9 million. The decrease in cash and cash equivalents during fiscal 2012 was driven by the following:

Net cash provided by operating activities was \$53.5 million for fiscal 2012 as compared to \$97.4 million for fiscal 2011. The decrease was primarily attributable to lower operating income (due in part to a \$12.5 million net merger termination fee we received during fiscal 2011), offset, in part, by a decrease in net working capital requirements during fiscal 2012. Although we expect to generate net cash from operating activities for fiscal 2013, we are unable to accurately predict the amount, which will be impacted by the timing of working capital requirements associated with our overall sales efforts, including our efforts relating to our \$55.0 million over-the-horizon microwave system contract.

Net cash used in investing activities for fiscal 2012 was \$6.4 million as compared to \$10.0 million for fiscal 2011. During fiscal 2012, we spent \$6.4 million to purchase property, plant and equipment, including expenditures relating to ongoing equipment upgrades and enhancements to our high-volume technology manufacturing center in Tempe, Arizona.

Net cash used in financing activities was \$238.0 million for fiscal 2012 as compared to \$136.1 million for fiscal 2011. During fiscal 2012, we used \$219.4 million for the repurchase of our common stock pursuant to our current \$250.0 million stock repurchase program. In addition, during fiscal 2012, we paid \$22.6 million in cash dividends to our stockholders.

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Our investment policy relating to our unrestricted cash and cash equivalents is intended to minimize principal loss while at the same time maximize the income we receive without significantly increasing risk. To minimize risk, we generally invest our cash and cash equivalents in money market mutual funds (both government and commercial), certificates of deposit, bank deposits, and U.S. Treasury securities. Many of our money market mutual funds invest in direct obligations of the U.S. government, bank securities guaranteed by the Federal Deposit Insurance Corporation, certificates of deposit and commercial paper and other securities issued by other companies. While we cannot predict future market conditions or market liquidity or the ultimate outcome of the current European monetary issues and related concerns, we believe our investment policies are appropriate in the current environment. Ultimately, the availability of our cash and cash equivalents is dependent on a well-functioning liquid market.

At July 31, 2012, we had \$367.9 million of cash and cash equivalents. As of July 31, 2012, our material short-term cash requirements primarily consist of cash necessary to fund: (i) our ongoing working capital needs, including income tax payments, (ii) anticipated quarterly dividends, (iii) repurchases of our common stock that we may make pursuant to our stock repurchase program, and (iv) contingent earn-out payments we expect to make through October 2013 related to our acquisition of Stampede. In addition, in future periods, we may also redeploy a large portion of our cash and cash equivalents for one or more acquisitions.

We are currently authorized by our Board of Directors to repurchase our stock pursuant to a \$250.0 million stock repurchase program. Pursuant to this authorization, during fiscal 2012, we purchased approximately 7.1 million shares of our common stock in open-market transactions with an average price per share of \$30.81 and at an aggregate cost of \$217.4 million (including transaction costs) and in fiscal 2011, we purchased approximately 0.8 million shares with an average price per share of \$28.87, at an aggregate cost of \$21.5 million (including transaction costs). As of July 31, 2012, \$11.3 million remains available for purchases from the \$250.0 million stock repurchase program authorized by our Board of Directors.

Pursuant to a \$100.0 million stock repurchase program established in September 2010, during fiscal 2011 we purchased approximately 3.5 million shares with an average price per share of \$28.18 and at an aggregate cost of \$100.1 million (including transaction costs). This program was completed in July 2011.

In September 2011, our Board of Directors raised our annual targeted dividend from \$1.00 per common share to \$1.10 per common share. During fiscal 2012, our Board of Directors declared quarterly dividends of \$0.275 per commo