



## **CPI Satellite Communications Amplifiers Support Important Demonstration of Raytheon's DART-T Troposcatter Communications System**

PALO ALTO, Calif., Sept. 11 /PRNewswire-FirstCall/ -- High-power amplifiers developed by CPI International, Inc. (Nasdaq: CPII) were recently utilized in a successful demonstration of Raytheon Company's (NYSE: RTN) newly-designed Dual-Mode, All-Band, Relocatable Communications Transport Terminal (DART-T) at Fort Huachuca in Sierra Vista, Ariz. for key personnel from the U.S. Army and Marine Corps. The DART-T is a highly transportable, self-contained communications terminal that includes custom Ku-band traveling wave tube amplifiers developed by CPI International (CPI) and is configurable for operation in satellite and troposcatter (TROPO) communications. CPI is the parent company of Communications & Power Industries, Inc., a leading provider of microwave, radio frequency, power and control solutions for critical defense, communications, medical, scientific and other applications.

"The successful system test of Raytheon's DART-T, using CPI's amplifiers, significantly increases the promise of multiple-application communications terminals," said Andy Tafler, president of the satellite communications division of CPI, which provided the amplifiers used in the demonstration. "CPI's high-power amplifiers are well suited for this program due to their flexibility, durability, light weight and compact size." CPI's Ku-band high-power amplifiers have demonstrated high levels of reliability in extreme temperature conditions, such as those found in desert environments.

In comparison to the two antennas used on traditional TROPO systems, the DART-T utilizes a single antenna with a dual-beam feed system, reducing the size of the new system and enhancing its portability. In addition, with the ability to operate using either a satellite or TROPO configuration, the DART-T is extremely flexible and allows for the selection of its operational mode in the field. DART-T enables numerous configurations, including Ku-band quad diversity and C-band dual diversity frequencies for TROPO operations, C-band, X-band, Ku-band and Ka-band frequencies for satellite operations and C-band and Ku-band frequencies for dual mode TROPO or satellite operations.

TROPO, or "over the horizon" communications, is the ability to transmit radio waves around the curvature of the Earth by bouncing signals off of irregularities in the troposphere without using satellites. The troposphere is the lowest portion of the Earth's atmosphere, approximately six miles above the Earth's surface. While the U.S. military currently employs TROPO systems for tactical and strategic communications throughout the world, it currently relies most heavily on satellite communications. The recent demonstration of Raytheon's DART-T at Fort Huachuca verified TROPO's ability to play a more significant role in dependably providing additional bandwidth enabling the rapid transmission of large amounts of video and voice data information.

About CPI International, Inc.

CPI International, Inc., headquartered in Palo Alto, California, is the parent company of Communications & Power Industries, Inc., a leading provider of microwave, radio frequency, power and control solutions for critical defense, communications, medical, scientific and other applications. Communications & Power Industries, Inc. develops, manufactures and distributes products used to generate, amplify and transmit high-power/high-frequency microwave and radio frequency signals and/or provide power and control for various applications. End-use applications of these systems include the transmission of radar signals for navigation and location; transmission of deception signals for electronic countermeasures; transmission and amplification of voice, data and video signals for broadcasting, Internet and other types of communications; providing power and control for medical diagnostic imaging; and generating microwave energy for radiation therapy in the treatment of cancer and for various industrial and scientific applications.

About Raytheon Company

Raytheon Company, with 2005 sales of \$21.9 billion, is an industry leader in defense and government electronics, space, information technology, technical services, and business and special mission aircraft. With headquarters in Waltham, Massachusetts, Raytheon employs 80,000 people worldwide.

Certain statements included above constitute "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements provide our current expectations, beliefs or forecasts of future events. Forward-looking statements are subject to known and

unknown risks and uncertainties, which could cause actual events or results to differ materially from the results projected, expected or implied by these forward looking statements. These factors include, but are not limited to, competition in our end markets; our significant amount of debt; changes or reductions in the U.S. defense budget; U.S. government contracts laws and regulations; changes in technology; the impact of unexpected costs; inability to obtain raw materials and components; and currency fluctuations. These and other risks are described in more detail in our periodic filings with the Securities and Exchange Commission. As a result of these uncertainties, you should not place undue reliance on these forward-looking statements. All future written and oral forward-looking statements attributable to us or any person acting on our behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this section. New risks and uncertainties arise from time to time, and it is impossible for us to predict these events or how they may affect us. We undertake no duty or obligation to publicly revise any forward-looking statement to reflect circumstances or events occurring after the date hereof or to reflect the occurrence of unanticipated events or changes in our expectations.

SOURCE CPI International, Inc.  
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