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## **Comtech is Issued Patent for New Satellite Communications Synthesizer Technology**

### **Combines Advantages of Analog Phase and Digital Phase Lock Loops**

MELVILLE, NY - March 2, 2000 - Comtech Telecommunications Corp. (Nasdaq: CMTL) announced today that its Comtech Communications Corporation unit has been issued U.S. Patent number 6,028,460 for a "hybrid analog-digital phase lock loop multi-frequency synthesizer."

The invention, used in Comtech satellite communications products such as frequency converters and transceivers, combines the near-theoretical noise floor performance of analog phase lock loops with the reliability, insensitivity to temperature variations, and lower acquisition times of digital phase lock loops.

The digital portion of the newly patented loop eliminates the need for manual alignment of the synthesizer by a technician, thereby increasing cost-effectiveness. The analog portion provides typical C-Band synthesizer performance 20 dB better than international Intelsat IESS-308 and 309 Satellite Earth Station specifications. The inherent insensitivity of the digital loop to temperature variations, along with the long useful life of digital components, increases reliability in the field. This reduces maintenance, down time and costs.

Fred Kornberg, President and Chief Executive Officer of Comtech Telecommunications, said this latest innovation is a new expression of the company's commitment to meeting the needs of the marketplace. He said it is comparable in significance to Comtech's unique distributed Daisy Chain redundancy switching system.

The Arizona-based Comtech Communications unit also produces the innovative CDM-550T Turbo Codec satellite modem, which offers data rates up to 2.048 Mbps and complete equipment solutions for data and voice delivery over Very Small Aperture Terminals (VSATs). Comtech Communications designs and manufactures a broad range of high performance, high quality products for a multitude of satellite communications applications for the domestic and international marketplace. Among these products is a broad spectrum of C, X, and Ku Band Transceivers, Frequency Up and Down Converters, Solid State Power Amplifiers and Satellite Modems that meet or exceed the standards published by Intelsat, Eutelsat, Insat, AsiaSat and other worldwide and regional satellite networks. Visit the Comtech Communications Corp. website at: <http://www.comtechcom.com>

Comtech Telecommunications Corp. is an innovative and increasingly significant player in domestic and global high-technology markets. Through its operating units, Comtech pursues opportunities in three interrelated market segments: telecommunications transmission, RF microwave amplifiers, and - newest and fastest growing of all - mobile data communications services.

In each of these segments, growth is driven by increasing demand for telecommunications infrastructure and network and messaging services. The company's specialties include the design and manufacture of advanced products and networks used for transmission of voice, data and video using satellite, over the horizon microwave, terrestrial line of site and other wireless communications systems. More than 200 distinct Comtech products are in service in more than 100 countries.