

## News Release

### COMTECH EF DATA EXPANDS TECHNOLOGY LEADERSHIP IN SATELLITE COMMUNICATIONS WITH THE INTRODUCTION OF LDPC AND 8-QAM

**TEMPE, Arizona, September 10, 2004** – Comtech EF Data Corporation, a subsidiary of Comtech Telecommunications Corporation (NASDAQ: CMTL), announced today the introduction of a new Forward Error Correction codec, based on Low-Density Parity-Check Codes (LDPC), for their CDM-600 Satellite Modem. This innovative codec takes performance to new heights, surpassing even Comtech EF Data's own 2<sup>nd</sup> Generation Turbo Product Coding, previously the industry's most bandwidth efficient Forward Error Correction (FEC).

When utilized in networks with lower FEC coding rates and higher data rates, the power and bandwidth savings offered by LDPC are most apparent. In conjunction with the introduction of LDPC for the CDM-600 Satellite Modems is a new modulation technique, 8-QAM, which exhibits far superior performance compared with conventional 8-PSK. The techniques for acquiring and tracking 8-QAM signals are the subject of a pending patent application filed by Comtech EF Data. When LDPC and 8-QAM are combined, satellite transponder utilization can be maximized, resulting in minimized operating expenses. As an example, compared with the current industry standard 8-PSK, LDPC and 8-QAM can reduce satellite link power by 40%, while saving 10% bandwidth.

"This innovation is another example of Comtech EF Data's technological leadership and commitment to deliver market solutions that optimize satellite communications," said Daniel Enns, sr. vice president strategic marketing and business development.

The CDM-600 is an advanced, open network satellite modem that supports data rates up to 20 Mbps, an array of modulation techniques, standards and interfaces, plus the widest range of FEC options, ensuring optimum performance based on varying network conditions. CDM-600s are deployed to support a number of satellite communications applications, including broadcast, cellular backhaul, offshore and enterprise communications. Comtech EF Data is now accepting orders for both new CDM-600s with LDPC and 8-QAM, as well as upgrades for existing customer systems. To download a white paper outlining the bandwidth and power savings offered by these new offerings, please visit <http://ftp.comtechefdata.com/linksite/manuals/whitepapers/>.

#### About Comtech EF Data Corporation

Comtech EF Data Corp. manufactures a broad spectrum of Data and RF products for satellite communications, including Satellite Modems, Network Monitor and Control Software, TCP/IP Performance Enhancement Proxy, Converters, Solid State Power Amplifiers, Transceivers and Satellite Terminals. All products meet or exceed the standards published by Intelsat<sup>®</sup>, Eutelsat, Insat, AsiaSat and other worldwide and regional satellite networks. Please visit [www.comtechefdata.com](http://www.comtechefdata.com) for more information.

Certain information in this news release contains statements that are forward-looking in nature and involve certain significant risks and uncertainties. Actual results could differ materially from such forward-looking information. The Comtech Telecommunications Corp Securities and Exchange Commission filings identify many such risk and uncertainties. Any forward-looking information in this news release is qualified in its entirety by the risks and uncertainties described in such Securities and Exchange Commission filings.

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