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News Release

COMTECH EF DATA AWARDED PATENT IN CONVERTER SYNTHESIZER TECHNOLOGY

TEMPE, Arizona, July 13, 2004 – Comtech EF Data Corporation, a subsidiary of Comtech Telecommunications Corporation (NASDAQ: CMTL), announced today the award of United States patent No. 6,753,711, "Digital summing phase-lock loop circuit with sideband control." This patent covers an innovation in the synthesizers included in our line of Frequency Converters.

Currently, Comtech EF Data's synthesizers use multiple Phase Lock Loops (PLLs) to provide superior phase noise and spurious signal performance. The new technology combines the multiple loops in a summing PLL using both digital and analog techniques to increase reliability of the unit and eliminate false frequency lock failure modes.

"This new patent demonstrates another example of Comtech EF Data's technological leadership," said Robert McCollum, president. "Utilizing this innovative invention reduces the parts' complexity, improves reliability and heightens the competitive advantage of our RF converter products."

This is the second patent covering Comtech EF Data's converter synthesizer technology. The previous patent, "Hybrid analog digital phase-lock loop" (No. 6,028,460) covers its inventive coarse-step loop that combines the reliability of digital phase-lock loops with the superior phase-noise performance of analog PLLs. Incorporation of the digital summing phase-lock loop circuit will begin soon.

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[®], Eutelsat, Insat, AsiaSat and other worldwide and regional satellite networks. Please visit 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 Company's 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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