



News Release

COMTECH EF DATA LICENSES DOUBLETALK™ TECHNOLOGY

TEMPE, Arizona, August 12, 2004 – Comtech EF Data Corporation, a subsidiary of Comtech Telecommunications Corp. (NASDAQ: CMTL), announced today that it has licensed Applied Signal Technology's (NASDAQ: APST) DoubleTalk™ bandwidth compression system. The licensing arrangement will enable Comtech EF Data to integrate additional bandwidth savings functionality into its satellite modems.

Designed for bandwidth compression, DoubleTalk is based on Applied Signal Technology's "Adaptive Cancellation," a patent pending technology that allows full duplex satellite links to transmit concurrently in the same segment of transponder bandwidth. When properly deployed, this technology can provide significant bandwidth savings.

"Licensing and embedding this technology complements and expands the other bandwidth efficient features offered in Comtech EF Data's satellite modems," said Daniel Enns, senior vice president, strategic marketing and business development.

Comtech EF Data will offer the DoubleTalk technology commercially packaged as Carrier-in-Carrier™. This added dimension will result in a significant improvement in satellite transponder utilization to operators and users of satellite communications. When combined with Comtech EF Data's advanced forward error correction and modulation techniques, Carrier-in-Carrier will deliver unprecedented operating expense savings.

"The integration of DoubleTalk into Comtech EF Data's modems is a natural evolution of our bandwidth efficient technology," said Ben Scribner, executive vice president of Applied Signal Technology.

About Applied Signal Technology, Inc.

Applied Signal Technology designs, develops and manufactures signal processing equipment to collect and process a wide range of telecommunications signals for reconnaissance, certain industrial applications and defense communications systems. Please visit www.appsig.com for more information.

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 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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