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Comtech Telecommunications Corp. Announces Pakistan Partner, Supernet Limited, Achieved 11 bits/Hz for Mobile Network Operator's 2G Backhaul Traffic

Marked Decrease in Backhaul Expenses Achieved by Leveraging Bandwidth Efficient Modems and Optimization Techniques in High Throughput Satellite Implementation

TEMPE, Ariz.--(BUSINESS WIRE)-- August 7, 2017--Comtech Telecommunications Corp. announced today that its Tempe, Arizona-based subsidiary, Comtech EF Data Corp., in conjunction with its' Pakistan partner, Supernet Limited, have migrated a Mobile Network Operator (MNO) customer to new High Throughput Satellite (HTS) capacity over VSAT while leveraging existing infrastructure equipment.

Challenged by low Average Revenue Per User (ARPU), MNOs struggle to drive down costs while delivering effective services over VSAT. By teaming with satellite service providers and system integrators, Comtech is able to deliver solutions to address this challenge.

Earlier this year, Supernet Limited and its MNO client, upon executing the migration plan, realized a marked decrease in backhaul expenses. This significantly improved the MNO's competitive position and the profitability of service delivery over satellite. These savings were made possible through a combination of migrating its services to HTS spot beam capacity, updating Comtech EF Data CDM-625 satellite modems via FAST code to enable higher order modcodes and throughput, and through Supernet's exceptional customer support efforts. In the process, the MNO client realized the remarkable equivalent of 11 bits/Hz in their use of satellite capacity which translated into the OPEX savings on backhaul expenses and added room for 3G services. Without the updates and migration this would have been in the range of 3 to 4bits/Hz, similar to what could be expected from a competitive solution.

Comtech EF Data has supplied its award-winning and bandwidth efficient satellite modems with optimization features to Supernet since 2007, and had been extremely successful in lowering the Total Cost of Ownership of backhauling the MNO customer's traffic over satellite. Some of the leveraged features include industry best VersaFEC[®] Forward Error Correction, the revolutionary DoubleTalk[®] Carrier-in-Carrier[®] bandwidth compression, lower rollofs, 2G/3G IP optimization and 2G TDM by its subsidiary, Memotec. MNO's 2G/3G IP traffic benefits from the modem's advanced packet processing capable of providing more than 75,000 packets per second, header and payload compression, and a Quality of Service engine that ensures the highest Quality of Experience for end users. The combined effects of bandwidth efficiency, optimization and processing speed allow the satellite platform to meet the Key Performance Indicators (KPIs) of the MNO.

"This successful project offers a great example of the best in breed longevity and best in class low cost of ownership of our products," commented Richard Swardh, Senior Vice President, Mobile Network Operators for Comtech EF Data. "This project is another example of the benefit of the highly upgradable products that we offer. Not only can MNOs migrate over to HTS capacity with very little additional CAPEX enabling tremendous OPEX savings, but they can do so while also adding 3G or LTE to existing 2G sites. Our modems simultaneously support 2G, 3G and LTE services with built-in optimization through a dedicated packet processor that enable the highest quality of experience and best KPI for MNOs and end user alike."

"Supernet with its superb design and integration capabilities, strengthened by its partnerships with Comtech and satellite operators have let us, once again enable our cellular backhaul customers to take full advantage of the technological advances in the satellite communications industry. In a challenging business environment, our solutions and support has let our customers drive down their costs and changed the conventional perceptions of satellite communications in Pakistan," stated Ali Akhtar, Head of Commercial, Satellite Services for Supernet Limited.

About Supernet Limited

Supernet Limited, Pakistan's leading corporate data network, has been operating since 1995. Supernet offers a full portfolio of local-to-global integrated communications infrastructure solutions to facilitate the key business processes of Enterprise, SME, Government and Telco customers. Supernet has the expertise and the experience to deliver innovative connectivity solutions that enable customers to meet and collaborate remotely to effectively conduct business anywhere, anytime. For more information, please visit www.super.net.pk

About Comtech EF Data Corp.

Comtech EF Data Corp., a subsidiary of Comtech Telecommunications Corp. (NASDAQ: CMTL) and part of Comtech's Commercial Solutions segment, is the recognized global leader in satellite bandwidth efficiency and link optimization. The advanced communication solutions encompass the Heights Networking Platform, Advanced VSAT Solutions, Satellite Modems, RAN & WAN Optimization, Network & Bandwidth Management and RF products. The Company is recognized as a technology innovator, and has a reputation for exceptional product quality and reliability. The solutions enable commercial and government users to reduce OPEX/CAPEX and to increase throughput for fixed and mobile/transportable satellite-based applications. For more information, visit www.comtechedata.com.

About Comtech Telecommunications Corp.

Comtech Telecommunications Corp. designs, develops, produces and markets innovative products, systems and services for advanced communications solutions. The Company sells products to a diverse customer base in the global commercial and government communications markets.

Certain information in this press 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 risks and uncertainties. Any forward-looking information in this press release is qualified in its entirety by the risks and uncertainties described in such Securities and Exchange Commission filings.

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