# BALL AEROSPACE AND XTAR DEMONSTRATE HIGH-THROUGHPUT ISR SERVICE FOR AIR FORCE ON FIRST X-BAND HATCH-MOUNTED FLAT PANEL ANTENNA

*Ball Aerospace and XTAR support USAF TENCAP SATCOM Demonstration*

Boulder, Co. /Herndon, Va., July 26, 2016 – Ball Aerospace collaborated with XTAR LLC to successfully demonstrate high-throughput service using Ball's industry-leading AIRLINK® X-1 antenna configured for the C130 hatch. The demonstration took place at Aberdeen Proving Ground.

In association with its customer, the U.S. Air Force Tactical Exploitation of National Capabilities (TENCAP),Support to Special Operations Forces, Ball has developed unique phased array "sub-array" building blocks which allow for the X-Band aperture to be configured to meet the size, weight, power and throughput requirements for most desired airborne, maritime and ground platforms. This high-speed service operates over a lighter and lower profile antenna that can easily be taken on and off each aircraft without adjustments to the airframe.

In the C130 hatch configuration, the Ball terminal transmitted 4.5 megabits per second of data over the XTAR-LANT satellite located at the 30°W location, a significant increase in throughput compared to many existing terminals. Based on the successful SATCOM demonstration and in-depth antenna technical exchanges, Ball's AIRLINK X-1 now is certified to access XTAR satellites.

"Ball's Airlink X-1 represents a significant improvement in phased array technology that will provide the warfighter with vastly enhanced communications," said Rob Freedman, vice president and general manager, Tactical Solutions, Ball Aerospace. "We are pleased to partner with XTAR to bring this critical capability to the men and women who defend our nation."