

STA REQUEST/DESCRIPTION OF OPERATIONS

1. Introduction

By the instant application (“STA Request”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant special temporary authority (“STA”) to permit BAE Systems to operate the facilities (the “Facilities”) specified in the instant STA Request. STA is requested for a period of six (6) months from the date of grant.

Due to the applicant’s internal scheduling requirements, it is respectfully requested that the instant STA Request be processed as soon as possible.

2. Purpose and Nature of the Operation

BAE Systems Networked Enabled Solutions (NES), a business unit within the Electronics and Integrated Solutions operating group within BAE Systems Inc., will conduct the testing specified in this Application. NES is a leader in developing, testing and building technical systems for the U.S. Department of Defense and the United States’ allies in avionics, navigation, and military communications. NES’ lines of business include C3I systems and communication systems integration, guidance and navigation, electronic identification, and reconnaissance systems.

The experiment for which approval is requested involves the internal research and development (IR&D) of a Tactical Base Station Router (TacBSR) communications system for government and military customers. The TacBSR system is intended to support nationwide Disaster Relief (DR) and Continuity of Operations (COOP) as well as to provide a portable mobile system to support both forward deployed operations and communications capability during a man-made or natural disaster support efforts. Such system allows for reliable communications for public safety or military operations in situations where regular telephone communications do not exist.

3. Transmitter Information

Manufacturer: Lucent Government Solutions
Model Number: Tactical BSR Pico System
Number of Units: 2
Experimental: Yes

4. Beamwidth/Polarization. For this Omnidirectional antenna, the beamwidth and polarization is as follows:

Width of Beam at Half-Power Point	Polarization
65°	Vertical

5. Stop Buzzer

BAE Systems hereby advises that Mr. John Santillo will be available by wireless telephone at (201) 452-1010 and will act as a “stop buzzer” if any issues regarding interference arise during testing.

For the foregoing reasons, approval of this STA Request is in the public interest, convenience and necessity.