

Request for Special Temporary Authority

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 BAE SYSTEMS for 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 of this STA Request, or until such time as BAE SYSTEMS files, and the Commission acts upon, its application for permanent authority (‘Application For Permanent Authority’) to be subsequently filed with the Commission.

1. **Purpose and Nature of the Operation**

BAE SYSTEMS manufactures and tests various antennas and communications systems for numerous classified customers. The Facilities for which BAE SYSTEMS seeks authority to operate pursuant to this STA Request are to be operated at BAE SYSTEMS’ facilities at Pope Technical Park in Hudson, New Hampshire as part of BAE SYSTEMS’ performance of its obligations under a military contract, namely the Adaptive Joint C4ISR Node Advanced Concept Technology Demonstration (“AJCN”). The AJCN program is intended to integrate communications, communications signals intelligence and electronic attack information operations into a single system. The communications facilitated by the AJCN will involve communications by and among U.S. Army and Air Force aircraft (un-manned and manned) and ground-based units, and will be used in connection with geo-location technologies. Such system will also be coordinated with state and local public safety entities, as well as homeland defense agencies. The testing of the Facilities is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

The Facilities specified in this STA Request will have the ability to communicate with another AJCN system over a wireless crosslink. The crosslink selected for this stage of the development is a commercially available radio (FGR-115RE) from FreeWave. The crosslink radio operates in the 900 MHz ISM band and the subject tests will be performed within the BAE SYSTEMS facility with the requested crosslink radios communicating between AJCN systems.

In addition, a few local flight tests will be performed to evaluate the crosslink range performance. The test will be conducted with BAE SYSTEMS’ facility as the fixed site and an aircraft as the mobile platform. The helicopter will fly a flight pattern 8000 feet MSL starting at the BAE SYSTEMS facility and terminating at a maximum range of 120 miles from the facility. The flight test will be to evaluate the crosslinks data rate versus range and ability to re-establish the link after dropout at various ranges.

There are two legs planned for the flight test. The first leg will be performed with the standard 1 Watt transmitter. The second leg will be performed with a 5 Watt transmitter. The 5 Watt test is required to determine the maximum range in support of military operations.

The AJCN OTA number and point of contact (POC) for the relevant military contract is as follows:

OTA # MDA972-00-9-0009

Contracts	Technical
Mr. Charles Ade CECOM Acquisition Center AMSEL-AC-CC-RT-S Building 1208, First Floor Fort Monmouth, NJ 07703-5008 (732) 427-1334	US Army CERDEC ATTN: AMSRD-CER-ST-SP (Edward Kierman) Myer Center, Bldg 2700 Fort Monmouth, NJ 07703 (732) 427-0148

2. Why STA is in the Public Interest

STA is being requested in order to permit BAE SYSTEMS to conduct very limited testing of the Facilities in the near term, and the Application For Permanent Authority will be filed with the Commission requesting authority to operate the Facilities for the remainder of the contract term. Specifically, in order to fulfill its near term obligations under the applicable military contracts, BAE SYSTEMS must – during the period between the date of filing of this STA Request and December, 2004 (the estimated delivery date for the system to the customer) - test the Facilities on approximately two (2) (but perhaps more) separate occasions, for periods of no more than four (4) hours on each occasion. Accordingly, an authorization to operate the Facilities for a limited timeframe under STA to conduct these demonstration tests is necessary to ensure timely delivery of the system. Because BAE SYSTEMS will remain responsible for testing and maintaining the system after the December, 2004 delivery date, for the duration of the contract (i.e., through approximately 2007), BAE SYSTEMS will subsequently file the Application For Permanent Authority as a separate filing. For these reasons, grant of an STA for the requested Facilities at this time would be in the public interest.

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