Attachment 1

Description of Request

By the instant request ("STA Request"), BAE SYSTEMS Information and Electronic Systems Integration Inc. ("BAE SYSTEMS") requests that the Commission grant to BAE SYSTEMS special temporary authority ("STA") to conduct very limited testing utilizing the facilities specified in the attached form.

Due to the requirements of the subject government contract, and flight plans that have been coordinated with the military for this testing, it is critical that the instant STA Request be processed expeditiously so that BAE SYSTEMS receives grant of STA effective no later than June 6, 2005, so that testing can occur between June 6 and June 17, 2005.

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 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 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.

This testing involves establishing the ability of the facilities in this STA Request to communicate with another AJCN system over a wireless crosslink. The crosslink radio operates in the 900 MHz ISM band. Flight tests are performed to evaluate the crosslink range performance, i.e., to evaluate the crosslink's data rate versus range and ability to re-establish the link after dropout at various ranges.

The Commission previously granted BAE SYSTEMS authority to test the AJCN system on the requested frequencies at BAE SYSTEMS' facilities at Pope Technical Park in Hudson, New Hampshire (See File No. 0423-EX-ST-2004). Such prior tests were conducted utilizing a surrogate aircraft, for the purpose of risk reduction and preliminary testing. The instant STA Request seeks authority to test the system at the same frequencies on board a Boeing 707 (i.e., the Paul Revere ("PR") aircraft platform) to ensure that the system is calibrated correctly for this target platform.

As described below, the testing authority sought pursuant to this STA Request is very limited and scope:

- Due to the very specific requirements of the subject government contract, and flight plans that have been coordinated with the military for this testing, testing of the requested facilities is expected to occur ***only during the period of June 6-17, 2005 (weather and technology permitting).***
- A maximum of only seven flights are intended to be conducted during the period of June 6-17, 2005, using the requested facilities.

    - For each of the intended flights, the aircraft will take off from Hanscom Air Force Base in Massachusetts, and the area of operation of the aircraft during the testing will be off the coast of Maine, in an area defined by the following coordinates (NAD 83):

        43° 25’ 35” N.Lat 69°22’15” W.Long

        Radius of 20 km

    - The aircraft will not exceed a height of **23000 ft MSL**
    - The fixed base transmitting unit that will be communicating with the airborne platform will be located at the following coordinates (NAD 83):

        42°42’17” N.Lat 71°25’54” W.Long

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

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