

Exhibit 1

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.

As the Commission is aware, the Commission previously granted to BAE Systems Information and Electronic Systems Integration Inc. ("BAE Systems") Special Temporary Authority ("STA") under File No. 0622-EX-ST-2006 for certain antenna test range testing activities at the company's facilities in Merrimack, NH. The frequencies and associated facilities previously authorized under File No. 0622-EX-ST-2006 will be referred to as the "Prior Granted Facilities". This STA Request is being submitted in order to obtain authority to operate the same precise Prior Granted Facilities for Internal Research and Development activities ("Additional IR&D").

Upon grant of this STA Request, the Additional IR&D operations will be conducted pursuant to precisely the same technical and operational parameters specified in the Prior Granted Facilities. That means that - among other things - (i) no ungranted frequencies are required; (ii) the operation will be within the same power levels and emissions and will not result in the licensee exceeding the authorized maximum emissions envelope nor in any operations inconsistent with any terms of the outstanding authorization for the station involved; (iii) any antennas and transmitting equipment employed will be from the list of equipment specified in the Prior Granted Facilities and any subsequent notifications, and will have the same height limits, directionality, gain and orientation/beamwidth as specified in the Prior Granted Facilities; (iv) any signal amplification equipment employed will be from the list of equipment specified in the Prior Granted Facilities; (v) transmissions will be limited to the same area of operation specified in the Prior Granted Facilities; and (vi) all of the Special Conditions issued by the Commission for the Prior Granted Facilities will apply to these additional operations.

For the Prior Granted Facilities under File No. 0622-EX-ST-2006, the Commission imposed a number of conditions. BAE Systems hereby confirms that it is willing to accept the same conditions for this application as were imposed under File No. 0622-EX-ST-2006.

2. Purpose of the Operation/Why STA is in the Public Interest

BAE Systems manufactures and tests numerous antennas for numerous classified customers. The testing specified in this STA Request will be conducted by a business unit of BAE Systems, BAE Systems Information & Electronic Warfare Systems (IEWs), which is a major producer of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces. IEWS' lines of business include Electronic Warfare/Electronic Protection, Electronic Warfare/Information Warfare, Integrated Defense Solutions, and Mission Electronics.

The subject testing involves the utilization of a Test Bed, a Public Land Mobile Network manufactured by NOKIA to support BAE Systems' projects within the Information Operations Initiative. This full-fidelity GSM/EDGE and GPRS wireless network includes complete packet and circuit switched cores. The system is installed in a fully transportable trailer with a mast mounted antenna array and operates on both U.S. and European standards. The test bed was acquired to support communications and network vulnerability analysis and signal processing research. The Prior Granted Facilities, issued under File No. 0622-EX-ST-2006, are associated with a DARPA contract previously described to the Commission. **This STA Request is being submitted in order to obtain authority to operate the same precise Prior Granted Facilities for Internal Research and Development activities ("Additional IR&D"). STA is being requested so that the commencement of operation of the proposed facilities can occur as soon as possible, to permit field testing pursuant to certain IR&D priorities of the company. Testing is anticipated to occur within the sixth month period from the date of grant of the request.** The testing at the Merrimack Antenna Test 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.

3. Other Issues

A. Antenna Data

For the convenience of the Commission, the chart below defines certain specifications relating to the antenna that is intended to be used in the requested experiment:

Ant. #	Mfg.	Model Number
1	Andrews	DB810KE-SY
2	Andrews	DB910CE-KL

B. Additional Signal Amplification

Due to the low gain of the transmit antennas, an additional signal amplification is to be utilized.

Mfg.	Model Number	Gain (Nom.) ¹
Nokia	TRX-900	40 Watts
Nokia	TRX-1800	40 Watts

C. Prevention of Interference

BAE SYSTEMS hereby advises the Commission that the tests to be conducted under the requested Commission authorization are to be conducted near the center of BAE Systems' Merrimack, New Hampshire facilities. Such location will result in the separation of the test facilities from other existing transmit or receive facilities. BAE Systems' John Cockerham, Test Engineer, will be available by telephone at (603) 885-7123. Mr. Cockerham will act as a "stop buzzer" if any issues regarding interference arise during testing.

¹ It is noted that although BAE Systems has specified a maximum 40W gain for these transmitters, BAE Systems will ensure that the power level from the amplifiers is limited to 5W ERP at the antenna. Additionally, BAE Systems can attenuate the ERP to 1 Watt, in Watt increments, if such attenuation is deemed necessary during the coordination process.