

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.

2. Purpose of the Operation

BAE Systems manufactures and tests numerous electronic systems for DoD customers. The testing specified in this STA Request will be conducted by a business unit of BAE Systems Inc., BAE Systems Information and Electronic Systems Integration Inc., which is a major producer of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces. The company’s lines of business include Electronic Warfare/Electronic Protection, Electronic Warfare/Information Warfare, Integrated Defense Solutions, and Mission Electronics.

The subject testing will involve 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. At this time, there is currently no government contract information specifically associated with the requested frequency request. If and when the facilities are to be used to implement the requirements of a specific government contract, BAE Systems will notify the Commission, or seek any necessary approvals, at such time.

3. Why STA is in the Public Interest

STA is being requested so that the commencement of operation of the proposed facilities can occur as soon as possible, to permit these near term characterization tests to be performed in a timeframe that will permit timely utilization of the above-referenced test bed. As stated above, the testing at the Antenna Test Range 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. For the foregoing reasons, approval of this STA Request is in the public interest, convenience and necessity.

4. Other Issues

A. Antenna Data

For the convenience of the Commission, the chart below defines certain specifications relating to the system 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 1 Watt increments, if such attenuation is deemed necessary during the coordination process.