

Exhibit 1

1. Introduction

By the instant Application ("Application"), BAE Systems Information and Electronic Systems Integration Inc. ("BAE Systems") requests that the Commission grant a Two Year experimental license to permit BAE Systems to operate the facilities (the "Facilities") specified in the instant Application.

The instant Application seeks a two year license for the same facilities that were granted under Special Temporary Authority ("STA") pursuant to File No. 0622-EX-ST-2006, and under the same terms and conditions.

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, BAE Systems Information & 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.

The program information associated with this experiment is as follows:

A. Government Contract

Agency: DARPA
Contract Number: MDA972-01-9-0019
DARPA Program Manager: Preston Marshall; Tel: (703) 696-5273;
E-Mail: Preston.Marshall@DARPA.mil

B. Internal Research and Development

In addition to operating the requested facilities for the above contract, authority is requested to also operate the requested facilities in support of internal research and development activities.

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 1 Watt increments, if such attenuation is deemed necessary during the coordination process.