

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. 0816-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. 0816-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. 0816-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. 0816-EX-ST-2006.

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

BAE Systems manufactures and tests antennas as well as RF systems for DOD as well as other governmental customers. The testing specified in this Application will be conducted by 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. This unit's lines of business include Electronic

Warfare/Electronic Protection, Electronic Warfare/Information Warfare, Integrated Defense Solutions, and Mission Electronics. The testing at the Merrimack 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.

The Prior Granted Facilities are associated with a contract which involves the development of technologies to deny enemy use of communications and radars throughout the battlespace. The networked system will be comprised of autonomous, ground-based monitors/jammers cooperatively linked to avoid disruption of friendly military and protected commercial radio communications and radars. **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.**

3. Power

The output power and ERP for the transmissions are proposed to be 5 W, reported as a "Mean" value.

4. Other Issues

A. Antenna Data

BAE SYSTEMS has developed an omnidirectional experimental antenna for this system. The antenna gain for the 902-928 MHz range is 2.5 dBi. The antenna gain for the 446.0-446.1 and 462.55-464 MHz range is 6.0 dBi.

Manufacturer	Model	Quantity	Experimental
BAE Systems	N/A	1	Yes

B. Modulating Signal

Information regarding the Modulating Signal for the two different emission types specified in the STA Request is as follows:

100K0F1D Modulation:

Hop Rate: every 66.6 ms
38.4 kbps data rate
FSK (frequency shift keying), 20KHz deviation
100 KHz digital channel filter bandwidth
Programmable hopping on 200 KHz channel centers

25K0F3D Modulation:

25 KHz FSK

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' Tracy Johnson will be the available as a stop buzzer. His cell phone number is (603) 689-8630 if any issues arise.