

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.

STA is requested for a period of six (6) months from the date of grant of this STA Request.

2. Purpose of the Operation

BAE SYSTEMS Information & Electronic Warfare Systems (IEWS), a business unit of the Information and Electronic Systems Integration Sector (IESI) within BAE SYSTEMS North America, will conduct the testing specified in this STA Request. IEWS 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 with products and services spanning the whole electromagnetic spectrum.

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. Due to the nature of the program for which the system is being designed, BAE SYSTEMS is not in a position to discuss the particular anticipated system function.

3. Discussion Regarding the Specified Frequency Bands

The STA Request seeks Commission authority to operate within a number of different frequency bands. Although BAE SYSTEMS is aware that requesting authority for such a broad selection of frequencies will require significant review and coordination efforts, BAE SYSTEMS notes that the subject system’s capabilities will span the whole electromagnetic spectrum, and the operating frequency bands of the system’s radiating elements will range from HF to Millimeter-wave, and the instantaneous frequency bandwidth of these radiating elements are often multi-octave or even decade. As contractually specified by all government procurement agencies, any development and/or product sell-off requires realistic measurement of a system. Should BAE SYSTEMS be denied the critical ability to perform radiation measurement over broad frequency bandwidths, such denial would severely hinder the execution of the programs and systems developed by the company in support of Homeland Security efforts. Accordingly, authorization under such a broad variety of frequency bands is necessary in this context.

It is further noted that the Commission has already previously granted STA to BAE SYSTEMS to operate at the Merrimack Antenna Test Facilities on exact same frequency bands. See File No. 0486-EX-ST-2004 (WB9XZE). The only difference between the Facilities requested in the instant STA Request and the Commission’s grant under File No. 0486-EX-

ST-2004 (WB9XZE) is the geographic coordinates at which the transmissions will occur. Accordingly, BAE SYSTEMS trusts that the Commission's coordination and processing of this STA Request may benefit from the prior grant of these same frequency bands.

4. Why STA is in the Public Interest

STA is being requested in order to obtain processing by the Commission and Other Governmental Agencies as expeditiously as possible so that the commencement of operation of the proposed facilities can occur by the end of January 2005. As a leader in technological advancements, BAE SYSTEMS continually drives new research efforts in support of the war fighter. Each candidate antenna design is fabricated and tested using the antenna measurement system described in the application. Accordingly, evaluation of the performance of the antenna will be conducted in the near term before integrated into the system. In this particular case, authority to operate the Facilities under STA is necessary so that BAE SYSTEMS can demonstrate and verify performance of the subject system in accordance with the guidelines of military contracts for which BAE SYSTEMS will be competing in the very near future. 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, and BAE SYSTEMS is not in a position to delay the commencement of these tests. Commission grant of STA in this case will permit BAE SYSTEMS to commence operations under a timeframe that will permit it to timely verify performance and submit the system to the government under applicable bidding procedures. For the foregoing reasons, approval of this STA Request is in the public interest, convenience and necessity.

5. Other Issues

A. Directional Antenna Data - Width of Beam/Orientation

The antennas to be used in the experiment are directional and the following sets forth, for each of the directional antennas, the: (i) Width of Beam (in degrees) at the Half-Power Point; (ii) Orientation in Horizontal Plane; and (iii) Orientation in Vertical Plane:

Ant. #	Mfg.	Model Number	Frequency Range	Gain (Nom.)	3 dB Beamwidth	
					E Plane (Vert.)	H Plane (Horiz.)
1	Condor	AS-48450	.5 to 2.0 GHz	7-12 dBi	70°to 25°	70°to 25°
2	Condor	AS-48461	2.0 to 18.0 GHz	5-18 dBi	60°to 10°	60°to 10°
3	Condor	AS-48440	18.0 to 26.0 GHz	.6 to 14 dBi	60°to 25°	60°to 25°

B. Prevention of Interference

BAE SYSTEMS hereby advises the Commission that the tests to be conducted under the requested Commission authorization are to be conducted outdoors, 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' Brian Egan will be personally conducting the test and will be available by wireless telephone at (603) 566-4879. Mr. Egan will act as a "stop buzzer" if any issues regarding interference arise during testing.