

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.

The instant STA request is being filed to correct the geographic coordinates granted in connection with a previously authorized STA grant. Specifically, in File No. 0486-ex-st-2004 (WB9XZE), the Commission granted STA to BAE Systems to operate at the same exact technical parameters requested herein except that the geographic coordinates for such grant were listed as N. Lat. 42-45-26; W. Lon. 71-29-14. BAE Systems has recently discovered that, inadvertently, the coordinates requested and granted by the Commission in File No. 0486-ex-st-2004 (WB9XZE) incorrectly identified the actual location of the anticipated operation.

Accordingly, the instant STA request is being filed to correct the coordinates of the earlier grant. The coordinates specified in the instant STA request are only 3.7 miles from the coordinates authorized in the previous grant. It is exceedingly important to BAE Systems' implementation of this program, which is related to homeland security, that BAE receive the grant of this STA by January 24, 2005 so that it may commence operations by that time. Given that the only difference between this request and the previously granted authorization is a minor correction of the geographical coordinates, BAE Systems trusts that the instant request will not require additional coordination (as the Commission should be able to rely on the coordination completed in connection with the prior authorization), and can be granted by January 24, 2005.

2. Purpose of the Operation

BAE SYSTEMS manufactures and test 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 will involve passive, non-radiating and active, radiating testing of an experimental telecommunications system at BAE SYSTEMS' Merrimack Antenna Test Facilities located in Merrimack, NH. The security guidelines do not permit BAE SYSTEMS to reveal the contract number, agency, or the point of contact (POC) for the customer.

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. 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 frequencies is necessary in this context.

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 January 24, 2005. Commencement of operations under that timeframe is necessary so that BAE SYSTEMS can demonstrate and verify performance of the subject system in accordance with the guidelines of a military contract 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. Grant of the STA Request 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

Antennas 1-3 specify directional antennas. The following sets forth, for each of these three 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.

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