

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 explained herein, STA and expedited processing is being requested so that the commencement of operation of the proposed facilities can occur by March 21, 2005. STA is requested for a period of six (6) months from the date of grant of this STA Request.

In light of the short timeframe involved and the fact that the proposed operations are being designed to meet military/homeland security requirements, BAE SYSTEMS hereby respectfully requests that the Commission (as well as any other governmental agencies which will be asked to review and/or coordinate the application ["Other Governmental Agencies"]) expedite review of the instant STA Request to permit the timely commencement of operations by BAE SYSTEMS by the above-specified March 21, 2005 deadline.

2. Purpose of the Operation

BAE SYSTEMS manufactures and tests 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. Why STA and Expedited Processing is in the Public Interest

STA and expedited processing 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 March 21, 2005.

Commencement of operations under that timeframe is necessary so that BAE SYSTEMS can demonstrate and verify performance of the subject system as part of a system proposal, which is required to be submitted 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. Expedited review of the STA Request and 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, expedited review and 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 monopole antenna that is intended to be used in the requested experiment:

Ant. #	Mfg.	Model Number	Frequency Range	Gain (Nom.)
1	Shakespeare	Style 120	.850 – 30 MHz	0 dBi
2	Shakespeare	Model 222	1.6 – 30 MHz	0 dBi

B. Additional Signal Amplification

Due to the low gain of the transmit antennas, an additional signal amplification is to be utilized.

Mfg.	Model Number	Frequency Range	Gain (Nom.)
HP	8347A	100 KHz – 3 GHz	20 dBm

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' 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.