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.

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 related to BAE Systems' contract with Lincoln Labs for the characterization of potential interference between operational and developmental military radar systems and commercial communications systems. The testing at the Merrimack Antenna Test Facilities is a critical part of the development, manufacture, and operation of military radar systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

The contract information pursuant to which this experiment will be conducted is as follows:

Customer Name:	MIT/Lincoln Labs
Customer Contact	Thomas Bryant 781-981-3274
Contract Number	3021816

3. Why STA is in the Public Interest

STA is being requested so that the commencement of operation of the proposed facilities can occur as soon as possible, to permit these near term characterization tests to be performed in a timeframe that will permit timely use of the discoveries made in the development of specifications for new radar systems in development, as well as in the Techniques, Tactics, and Procedures (TTP) used by the armed forces in the application of existing radar systems. 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. For the foregoing reasons, expedited review and approval of this STA Request is in the public interest, convenience and necessity.

4. Blanking Capabilities

BAE Systems understands that FAA or other stakeholders may require certain frequency blanking, or certain limited azimuth and/or elevation blanking in order to ensure that the Facilities do not pose a threat of interference to adjacent emitters. This is to confirm that the subject system has such blanking capabilities and that BAE Systems stands ready to work with the Commission to identify and implement any reasonable restrictions that may be required.

5. Other Issues

A. Transmitting Equipment

Manufacturer	Model	Quantity	Experimental
Agilent	N6030A 1.25 GS/Sec Arbitrary Waveform Generator	1	No
Agilent	E8267C Vector Signal Generator	1	No

B. Directionality/Orientation of Antenna

Elevation (Vertical)	Azimuth (Horizontal)
-32.4°	55.5° (North East)

3dB Bandwidth of Antenna

3dB BW E (Vertical)	3dB BW H (Horizontal)
30.1°	31.2°

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' Jason Boucher will be personally conducting the test and will be available by wireless telephone at (603) 738-4711. Mr. Boucher will act as a "stop buzzer" if any issues regarding interference arise during testing.