

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 active, radiating testing related to BAE Systems’ characterization of antennas that are intended to be ultimately integrated into communications systems utilized by military and other customers. Because these experimental transmissions will occur during the pre-marketing phase of system development, there is currently no government contract information specifically associated with the requested frequency request. If and when the facilities are to be used to implement the requirements of a specific government contract, BAE Systems will notify the Commission, or seek any necessary approvals, at such time.

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 is being requested so that the commencement of operation of the proposed facilities can occur as soon as possible, to permit these near term tests to be performed in a timeframe that will permit timely marketing and sale to potential customers. 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. Directionality of Antennas

The beamwidth of the subject transmit antenna is set forth below. The transmissions will be directed from the centerpoint specified on the application towards the treeline in the direction of 42-48-29.96 N.Lat; 017-29-14.59 W.Long.:

3dB BW E (Vertical)	3dB BW H (Horizontal)
40	45

5. 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.

6. 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 personally conducting the test and will be available by wireless telephone at (603) 689-8630. Mr. Johnson will act as a "stop buzzer" if any issues regarding interference arise during testing.