

Exhibit 1

1. Introduction

By the instant application (“Application”), 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 application. Operation of the requested facilities is anticipated at this time to be required only from 4/27/2013-10/27/2013. Accordingly, issuance of an STA is appropriate pursuant to Commission rules and policies.

2. Purpose of the Operation

The testing at the Merrimack Outdoor Range 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. This STA request is sought to allow BAE Systems to support a government contract which seeks to establish a reference design for Unattended Ground Sensors (UGS). The UGS concept of operations includes low-power, intermittent data radio communication between multiple ground-emplaced devices, nominally separated by 30 meters.

The purpose of this test is to determine the feasibility of the data radio design in carrying out the UGS mission. It will specifically involve the transmission of brief, intermittent data messages throughout the deployed field of UGS devices. Several deployment configurations will be evaluated, all within the geographical location boundary described in this Application. The contract information relevant to this experiment is as follows:

AGENCY: Defense Advanced Research Projects Agency (DARPA)
CONTRACT NO.: HR0011-12-C-0100
POC: Mark Rich, (571) 218-4381

A waiver of the Station ID requirements of Section 5.115 is respectfully requested.

3. Transmitting Equipment/Transmit Antennas

	Manufacturer/Description	Model No.	# Units	Experimental
Transmitting Equipment	Textron Industries	CC1110 (256 mW)	50	Yes
Transmit Antenna	Taoglas	FXP290.07.0100A	50	No

4. Other Issues

A. 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.

B. Stop Buzzers

Primary: William Swift – (603) 759-9686

Alternates: Eric Rundquist – (603) 885-8174 or BAE Systems Emergency
 Services Center - (603) 885-3842