

Exhibit 1

1. Introduction

By the instant application (“Application”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant a two-year experimental license to permit BAE Systems to operate the facilities (the “Facilities”) specified in the instant application.

2. Purpose of the Operation

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. Specifically, this demonstration will be conducted as part of deliverable requirements of a government contract.

Continued operation of the facilities previously granted under STA (0334-EX-ST-2011) is requested pursuant to this application in light of successful prior testing that has led to additional experimentation requirements. The system test will occur at the outdoor test range and will require an operational area that is specified in the license request. The systems will be set up individually and transmit at stated power. The purpose of this request is to support of a system level inter-operability test. The goal of this test is to ensure that the waveform works properly, to characterize network performance parameters and to test the system in an over-the-air environment subject to manmade/natural noise, multipath and weather related issues.

The contract that applies to this effort:

Ultimate Customer: US Army
Contracting Prime: General Dynamics
Prime Contract No.: WIN-T HRFU-EK CONTRACT #: BBM520XC7
Subcontract with
BAE Systems: DAAB07-02-C-F404

Contract POCs:

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3. **Other Issues**

Antenna Data/RF Source

Antennas to be used in connection with this experiment are non-directional in nature. BAE proprietary hardware will be used to generate the RF signal. The output power of the system will be measured and verified to meet the output power requirements set forth in the license.

Manufacturer	Model	Quantity	Experimental?
BAE Systems/General Dynamics	N/A	4	Yes

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.

Stop Buzzers

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