

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. STA is requested for a period of six (6) months.

2. Purpose of the Operation

The testing requested in this Application 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.

This particular experiment will involve transmissions to support BAE Systems' development for the US Air Force of an Intra System Data Link (ISDL) that is used to verify Intra Flight Data Link (IFDL) operation as part of the F22 aircraft program. During F22 development the platforms used a beacon to transmit detailed FLCs and TSPI data to the test organization. The production F22 program eliminated this beacon but the need to perform basic operation verification of the IFDL and other information is required. BAE Systems is under contract to the Air Force to develop the Intra System Data Link (ISDL) to verify IFDL operation. Although the Air Force development contract for the ISDL concluded in 2009, a small production contract was awarded in 2010 for 5 additional ISDL systems with hardware and software upgrades. The testing proposed at the BAE Systems Litchfield site will be used to verify the operation of the 5 ISDL production systems prior to final sell-off to the Air Force.

The contract that applies to this effort is as follows:

Customer: US Air Force, Aeronautical Systems Center/Special Programs Division
Address: 2275 D Street, Bldg 16, Room 29
Wright Patterson AFB OK 45433-7222
Contract #: FA8629-10-C-2280
Contracting
Officer: Brenda Maizel
Phone #: (937) 255-2632
Technical POC: Air Force: Cpt. Ashley Hawkes

3. Transmitting Equipment

Manufacturer	Model	Quantity	Experimental?
EMS (Directional)	172556-5	1	No
ATK (Omni)	08115-9000	2	No

4. Directionality

The instant form requests directionality/information information for “directional antenna[s] (other than radar)”. The experiment will involve both omni and directional beam testing. With respect to the directional beam testing, the following information is provided:

Width of Beam in Degrees at the Half-Power Point = 10°
Polarization = Horizontal

5. 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’ Litchfield, New Hampshire facilities. Such location will result in the separation of the test facilities from other existing transmit or receive facilities.

Stop Buzzers

Primary: Rick Ball –(603) 318-6913

Alternate: BAE Systems Emergency Services Center - (603) 885-3842