

Exhibit 1

STA REQUEST AND DESCRIPTION OF OPERATIONS

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 STA Request.

As the Commission is aware, the Commission previously granted to BAE Systems Special Temporary Authority ("STA") under File No. 0593-EX-ST-2005 for certain test range testing activities at the company's facilities in Litchfield, NH. The frequencies and associated facilities previously authorized under that STA will be referred to as the "Prior Granted Facilities". This STA Request is being submitted in order to obtain approval for operation of certain of the Prior Granted Facilities in connection with the following additional contract ("Additional Contract"):

**Customer/Agency: Navy Engineering Logistics Office
Point of Contact: William Kerivan (603-885-2349)
Contract: N41756-07-R-3005**

Upon grant of this STA Request, the operations under this Additional Contract will be conducted pursuant to precisely the same technical and operational parameters specified in the Prior Granted Facilities specified herein. That means that - among other things - (i) no ungranted frequencies are required; (ii) the operation will be within the same power levels and emissions and will not result in the licensee exceeding the authorized maximum emissions envelope nor in any operations inconsistent with any terms of the outstanding authorization for the station involved; (iii) any antennas and transmitting equipment employed will be from the list of equipment specified in the Prior Granted Facilities and any subsequent notifications, and will have the same height limits, directionality, gain and orientation/beamwidth as specified in the Prior Granted Facilities; (iv) any signal amplification equipment employed will be from the list of equipment specified in the Prior Granted Facilities; (v) transmissions will be limited to the same area of operation specified in the Prior Granted Facilities; and (vi) all of the Special Conditions issued by the Commission for the Prior Granted Facilities will apply to these additional operations.

2. Purpose of the Operation

BAE Systems Information & Electronic Warfare Systems (IEWS), a business unit of the Information and Electronic Systems Integration Sector (IESI) within BAE Systems Inc., will conduct the testing specified in this STA Request. IEWS 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 with products and services spanning the whole electromagnetic spectrum.

The testing at the Litchfield Antenna Test Range 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. As a general matter, the purposes of the facilities for which consent is requested herein are to determine the requirement for calibration of the arrays installed on the candidate platform, generate calibration parameters if required and verify the accuracy of the calibration parameters by conducting carefully controlled flight tests.

3. Directionality/Beamwidth and Orientation of Antennas

Directional Antennas

Manufacturer	Model #	Quantity	Gain (Nominal)	3dB BW E (Vertical)	3dB BW H (Horizontal)
SA	26-0.1	1	+8 dBi	60°	120°
SA	29-0.1	2	+8 dBi	60°	120°
SA	27-1.0/8	1	+8 dBi	9°	1.5°
SA	28-1.0/8/10	1	+8 dBi	9°	4.5°
Sanders	1/2 Horn	1	+8dBi	60-30°	N/A
Sanders	Dual Horn	1	+8dBi	60-30°	60-30°
Sanders	1/2 Horn	1	+8dBi	60-45°	N/A
Condor	AS-48461	1	+5-18 dBi	60-10°	60-10°
AEL	H-1498	1	+8-12 dBi	60-30°	60-30°
SA	28-2.0/8/10	1	+8 dBi	60-30°	60-30°

Non-Directional Antennas

Manufacturer	Model #	Quantity	Gain (Nominal)	3dB BW E (Vertical)	3dB BW H (Horizontal)
Sanders	1/4Mon	4	-5.2 dBi	OMNI	N/A
Electro Metrics	EM-6924	2	+2.6 dBi	OMNI	120°
Sanders	TASES 36	2	-60 to -5dBi	OMNI	N/A
Sanders	TASES 24	2	-31.5 to +1.1 dBi	OMNI	N/A
Sanders	TASES 12	2	-10 to -5	OMNI	N/A
Sanders	Slant	1	-20 to -5	OMNI	N/A

4. Transmitting Equipment and Additional Signal Amplification

Transmitters (all non-experimental):

Manufacturer	Model	Quantity
HP	HP8645A	1
HP	HP8341	1
HP	HP8643A	1
HP	HP8340B	1
HP	HP8662A	1
HP	HP8671A	1
HP	HP8753A	1
HP	HP8753D	1
HP	HP8753E	1
HP	HP8510B	1
HP	HP8510C	1
Agilent	E8257D	1

Additional Signal Amplification:

Additional signal amplification may be utilized as follows:

Power Amplifiers	Model	Frequency Band	Power Output	Quantity
OPHIR	5069	.5MHz to 500MHz	8W	1
OPHIR	5094	1MHz to 1000MHz	3W	1
OPHIR	5160	.8GHz to 4.2GHz	7W	1
CPI	VZV-2776K4/K6	4.0GHz to 18GHz	25W	1
ENI	510L	1.7MHz to 500MHz	9.5W	1
ENI	603L	.8 MHz to 1000MHz	3W	1

5. The Output Power and ERP for these transmissions are proposed to be .007W, reported as a “Mean” value. The transmitter will not be left on continuously due to the nature of the experiment and the need to physically reposition the model under test between measurements, cycle through frequencies, change elevation angles of the transmit antenna, etc. where the transmit power is reduced to zero. The actual duty cycle of the transmit system is approximately 7%. Mean power is therefore a more accurate representation of the applicant’s proposed activity.

6. Prevention of Interference

BAE Systems’ Richard C. Ball will be personally conducting the test and will be available by wireless telephone at (603) 318-6913. Mr. Ball will act as a “stop buzzer” if any issues regarding interference arise during testing.