

Exhibit 1

1. Introduction

By the instant application ("STA Request"), General Dynamics Armament and Technical Products, Inc. (GDATP) requests that the Commission grant Special Temporary Authority ("STA") to permit GDATP to operate the facilities (the "Facilities") specified in the instant STA Request.

As the Commission is aware, the Commission previously granted to GDATP Special Temporary Authority ("STA") under File No. 0734-EX-ST-2006 for certain test range testing activities at the company's facilities in Marion, VA. 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 those same precise Prior Granted Facilities in connection with the following additional contract ("Additional Contract"):

Agency/Customer:	US Air Force/Boeing Long Beach
Prime Contract No./PO#:	6VK022048-9
Point of Contact:	Jim Montgomery (562-593-6420)

Upon grant of this STA Request, the operations under these portions of the Additional Contract will be conducted pursuant to precisely the same technical and operational parameters specified in the Prior Granted Facilities. 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

The testing specified in this STA Request will be conducted by a business unit of General Dynamics, General Dynamics Armament and Technical Products (GDATP), a business unit of General Dynamics. GDATP, a major producer of radomes for the Armed Forces of the United States, manufactures and tests radomes for varied customers.

In general, the testing performed at the Marion Test Range Facilities in Marion, VA will involve active, radiating testing related to GDATP's contracts with various defense contractors

and the United States Government for the development, manufacture, characterization, and acceptance testing of military and commercial radomes. The testing at the Marion Test Facilities is a critical part of the development and manufacture of military radomes provided to the Armed Forces of the United States.

This specific STA Request applies to the manufacture of radomes for the C-17 aircraft, pursuant to the purchase order identified above. As explained above, the Commission previously granted to GDATP Special Temporary Authority ("STA") under File No. 0734-EX-ST-2006 for certain test range testing activities at the company's facilities in Marion, VA ("the "Prior Granted Facilities"). This STA Request is being submitted in order to obtain approval for operation of those same precise Prior Granted Facilities in connection with the Additional Contract identified above.

3. Why Grant of STA is in the Public Interest

Grant of an STA is requested in this case to permit the required acceptance testing of radomes. It is highly important that the STA be granted to support current, ongoing military operations. As stated above, the testing at the Marion Test Range Facilities is a critical part of the manufacture and delivery of military radomes provided to the Armed Forces in support of current war efforts. A STA is requested in this case because the radome contract work referenced below is anticipated to be completed within six months of grant.

4. Blanking Capabilities

GDATP 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 GDATP stands ready to work with the Commission to identify and implement any reasonable restrictions that may be required.

5. Other Issues

A. Transmitting Equipment

Manufacturer	Model	Band	Frequency Band	Quantity	Experimental
Agilent	E8257D Analog Signal Generator	1	3.0 to 4.0 GHz	1	No
Agilent	E8257D Analog Signal Generator	2	9.0 to 10.5 GHz	1	No

B. Directionality/Orientation of Antenna

Band	Elevation (Vertical)	Azimuth (Horizontal)
Both	-0.6°	46° NE

3dB Beamwidth of Antenna (widest beam/worst case)

Band	3dB BW E (Vertical)	3dB BW H (Horizontal)
1 (3-4 GHz)	10°	11°
2 (9-10.5 GHz)	4°	4°

C. Prevention of Interference

GDATP hereby advises the Commission that the tests to be conducted under the requested Commission authorization are to be conducted on GDATP's Marion, Virginia facilities. The test range is designed such that the transmitting antennas are pointed directly at the radome under test which is located 240 feet away on an elevated roofed porch with three walls. The rear wall has approximately 64 square feet of 6 inch broadband pyramidal RF absorber on it to absorb the RF energy from the transmitting antenna. Additional RF absorber covered panels (approximately 32 square feet) are located to the sides of the radome under test to further absorb the RF energy. The 3 dB beamwidth of the Band 2 transmit antenna is contained within the porch area. The range is located in a low area surrounded mostly by hills and trees. The range configuration is designed to minimize RF energy propagation outside of the actual test area. Please refer to the attached diagram of the range (Figure 1).

D. Stop Buzzer

The range shift supervisor, Gerald Hicks, will be personally supervising the testing and will be available by telephone at (276) 783-3121 x 1392. Mr. Hicks will act as a "stop buzzer" if any issues regarding interference arise during testing. The range operator will also be available by telephone at (276) 783-3121 x 1298 if Mr. Hicks cannot be reached.

For the foregoing reasons, approval of this STA Request is in the public interest, convenience and necessity.