

January 3, 2002

Client-Matter: 24215-001

Via E-Mail

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

**Re: General Dynamics Advanced Information System
Application for Experimental Radio Station
Request for Expedited Action**

Dear Ms. Salas:

General Dynamics Advanced Information System ("GDAIS"), by its attorneys, hereby requests expedited processing and grant of its application for an experimental radio station. Expedited action on this application is required for GDAIS to complete testing of a communications signal processing system required by the Federal Government. ***The communications signal processing system is part of satellite system vital to the national defense of the United States resulting from the events of September 11, 2001.*** The failure of GDAIS to commence testing immediately and complete the testing by June 2002 will impose substantial additional costs on the Federal Government. In support thereof, the following is hereby submitted.

GDAIS is developing a satellite communication signal processing system that will provide processing results to the Federal Government at a remote facility. This processing system will consist of hardware for operating with geosynchronous satellites. Construction at a remote facility and installation of this signal processing system are scheduled to be completed by March 2002. Delays in this schedule will result in substantial overrun cost for the Federal Government.

GDAIS is a subsidiary of General Dynamics, a technology company that has developed products principally for military and governmental agencies during the past 50 years. GDAIS specializes in providing innovated products, engineering solutions, technologies and services for Department of Defense customers. As an example, GDAIS provides signal processing systems, network centric command and control systems, and data collaborative processing systems.

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The Federal Government has hired GDAIS to develop a satellite communications signal processing system to be installed at a remote facility that is conducting ongoing upgrades of the system. The proposed processing system will permit the ground station to transmit and receive terrestrial information via a satellite system. Upon successful testing of this system, GDAIS will install the necessary earth station hardware to receive and transmit information from geosynchronous satellites viewed from the remote facility. GDAIS has completed testing of this processing system in its laboratory. However, in order to complete testing, GDAIS must test the communications system in a real world environment; hence the necessity of the authorization for an experimental radio station to test the communications system.

It is imperative that GDAIS commence testing of the communications system immediately. The facility upgrade can not be completed until after GDAIS installs the new communications system. Unless GDAIS tests the communications system prior to installation, the Federal Government would have no choice but delay the final upgrade. Thus, it is necessary that GDAIS commence testing of the new communications system immediately.

Events beyond the control of GDAIS made it impossible to file the application for an experimental radio station until now. GDAIS depended upon the Federal Government for the necessary information for hardware and documentation for the communications system. Unfortunately, the Federal Government provided the hardware and documentation information to GDAIS only recently. GDAIS needed this information to finalize development of the software system utilized in the communications system. Once GDAIS received the documentation, the company modified the communications system to meet client specifications.

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WHEREFORE, for the foregoing reasons, General Dynamics Advanced Information System hereby requests that the Commission approve this request for expedited processing and grant the pending application for an experimental radio station filed with the Commission today.

Respectfully submitted,

**GENERAL DYNAMICS ADVANCED
INFORMATION SYSTEM**

David G. O'Neil
Its Attorney

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