

August 28, 1998

Mr. William F. Caton, Acting Secretary
Federal Communications Commission
1919 M Street, NW Room 222
Washington, DC 20554

WA2XTL
Granted # 6258-EX-ML-1998
instead Dy

Attn: Mr. Douglas A. Young
Office of Engineering and Technology

Re: Request for Special Temporary Authority for Radio Station License

Dear Mr. Caton:

Harris Corporation herein requests a grant of Special Temporary Authority for a radio station license beginning September 30, 1998 and extending until March 30, 1999 to operate three (3) land-based INMARSAT C ship earth stations from a temporary-fixed location in the United States. In support of this request, Harris Corporation submits the following information.

1. Applicant's Name and Address:

Harris Corporation
2400 Palm Bay Road, NE
MS 25/5133
Palm Bay, FL 32905

2. Name and Address for Inquiries Regarding this Request:

James T. Kushner, Sr
See 1. above for address

3. Particulars of Operation:

<u>Frequency</u>	<u>Power</u>	<u>Modulating Signal</u>	<u>Bandwidth</u>
1626.5-1646.5 MHz	14±2 dBW	1200 Baud BPSK (1K20G1D)	1200 Hz

4. Geographical Location of the Proposed Operation:

28° 01' 57" North Latitude 80° 35' 42" West Longitude (NAD-27)

5. Antenna Type: Directional Non-directional X
Width of beam in degrees at the half-power: N/A
Orientation: Horizontal plane N/A Vertical plane N/A
Polarization: Circular

6. Transmitting Equipment to be Installed:

<u>Manufacturer</u>	<u>Type</u>	<u>Number</u>
Trimble Navigation, Ltd.	Galaxy Ship	Three (3)
	Earth Station	
	(INMARSAT C)	

Harris Corporation, a U.S. corporation organized under the laws of the State of Delaware, affirmatively states that it does not in any manner act as a representative of a foreign government or a subdivision thereof nor would the authorization sought herein be used for the exclusive purpose of developing radio equipment for export that would come under the jurisdiction of a foreign government. The applicant has never had any FCC station license revoked or any application for a permit, license or renewal denied by the Commission.

Harris Corporation further states that grant of this request would not have a significant environmental impact and, thus, does not require an Environmental Statement under Section 1.1307 of the Commission's Rules. Unless otherwise indicated in an attachment to this request, the authorization described herein will not be sought for fulfilling the requirements of a government contract with an agency of the United States Government (please refer to the accompanying attachment).

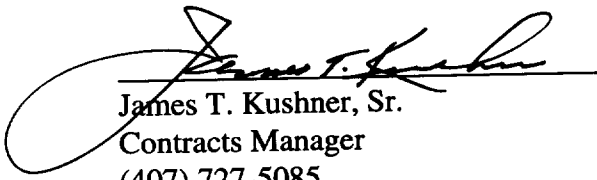
In addition, Harris Corporation further certifies that neither the applicant, nor any other party to this application is subject to denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.

This temporary authority is sought by Harris Corporation, a communications products and systems company, to operate three (3) INMARSAT C ship earth stations from a temporary-fixed location in the United States to provide proof-of-concept data communication services (please refer to the accompanying attachment). Simultaneous to this request, COMSAT Mobile Communications has submitted to the Common Carrier Bureau a request for special temporary authority to provide satellite communication services to the subject terminals via the INMARSAT system for the purposes stated herein.

Accordingly, Harris Corporation respectfully submits that the public interest would be served by the operation of the subject terminals for the aforementioned purposes and, thus, requests that the Commission grant the instant request for temporary authority.

The requisite filing fee of \$45 is enclosed.

Respectfully submitted,


James T. Kushner, Sr.
Contracts Manager
(407) 727-5085
(407) 729-7980 FAX

Date 25 Aug 98

Attachment

Harris Corporation, a Fortune 500 Company with annual world-wide sales of more than \$3.6 billion, is a world leader in the development and manufacture of communication systems and products. To retain this position of prominence, continuing research and development into new technologies and innovative engineering solutions is mandatory. In today's marketplace, it is necessary to combine these technologies with existing systems to provide cost-effective solutions wherein combining these solutions with existing communication assets will satisfy customers' performance and cost requirements.

In this regard, Harris has developed an architecture for a proprietary world-wide communication system which has potential commercial and DoD applications. The system can be operated from fixed assets as well as dynamic land- and sea-based platforms. Harris is currently developing a proof-of-concept command and control communication system for a U.S. Government customer. This effort will assess the viability of the communication system to operate on a variety of dynamic maritime platforms, which cumulatively represent the bounding operational conditions for any future applications.

As part of this activity, Harris will evaluate, through a series of on-the-air, end-to-end tests, the suitability of standard INMARSAT C terminals, standard INMARSAT C services and emerging data transfer protocols to meet a subset of the requirements for the system described above. For this purpose, Harris is seeking to commission three (3) INMARSAT C maritime terminals for fixed, land-based use in the U.S. Harris personnel will be the ultimate users and operators of these terminals. These INMARSAT C terminals will supplement the single INMARSAT C terminal we are currently authorized to operate and will allow us to evaluate redundancy and diversity technologies aimed at enhancing command and control communication reliability in harsh maritime environments.

We are submitting FCC Form 442, applying for modification of our existing Experimental Radio Service license (File No. 6078-EX-PL-1998, Call Sign WA2XTL) to include operation of these INMARSAT C terminals in the domestic U.S. We request this Special Temporary Authority to operate the terminals while the pending FCC Form 442 is processed. We wish to commission these terminals on or before September 30, 1998 in order to meet our scheduled test and demonstration dates for our customer.