

S-3073-EX-97

**TRW**

**TRW Electromagnetic  
Systems Division**  
Systems Integration Group

495 Java Drive  
P.O. Box 3510  
Sunnyvale, CA 94088-3510  
408.738.2888

**FCC/MELLON** NOV 07 1997

18 September 1997

Mr. William F. Caton, Acting Secretary  
Federal Communications Commission  
1919 M Street, N. W., Room 222  
Washington, D. C. 20554

ATTN: Mr. Frank Wright  
Office of Engineering and Technology  
for Radio Station License

Dear Mr. Caton:

TRW/ESD Sunnyvale, California, currently holds a Special Temporary Authorization to operate two land mobile INMARSAT-A terminals. This authorization, File Number **S-2929-EX-97** and Call Sign **KS2XAT**, expires on 20 October 1997. A copy of the current authorization letter is attached as enclosure (1) to this letter.

We wish to continue operation of the INMARSAT-A units beyond October 1997 expiration of the current Special Temporary Authorization. In order to provide sufficient time to process our request for a two year authorization and permit uninterrupted use of the INMARSAT units, I am attaching a new request for another Special Temporary Authorization and a separate FCC Form 442 request for a two year license. Checks to cover fees are attached to each application.

1. Applicant's Name and Address:

TRW/ESD  
495 Java Drive  
Sunnyvale, CA 94088-3510

2. Name and address of the person for inquires regarding this request:

Charles H. Munch  
TRW/ESD  
Mail Station 605  
495 Java Drive  
Sunnyvale, CA 94088-3510

3. Particulars of Operation:

Frequency:                      Transmit 163.5 - 1645 MHz  
                                         Receive 1535.0 - 1543.5 MHz

Power:                      40 watts (kW erp)

Modulating Signal:      BPSK  
                                         BPSK/FM

Necessary Bandwidth: 25 KHz

4. Geographic location of the proposed operation:

Santa Clara County, CA

5. Antenna Type:      Directional  
Width of Beam in Degrees at Half Power point: 12 degrees  
Orientation: RHCP

6. Transmitting Equipment to be Installed:

| <u>Manufacturer</u> | <u>Type</u> | <u>Number</u> |
|---------------------|-------------|---------------|
| Hughes MagnaPhone   | MX 2020P    | 2             |

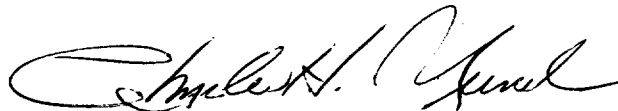
TRW/ESD, a United States of America corporation organized under the laws of the state of Ohio, affirmatively states that it does not in any manner act as a representative of a foreign government or a subdivision thereof, nor would the authorization extension sought herein be used for the purpose of developing 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 permit, license, or renewal ever denied by the Commission.

TRW/ESD 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 the attachments to this request, the authorization requested herein will not be sought for fulfilling the requirements of a government contract with an agency of the United States Government.

In addition, TRW/ESD further certifies that neither the applicant, nor any other party to this application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. subsection 853a.

Accordingly, TRW/ESD 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 attached requests for continued operation.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Charles H. Munch", written in a cursive style.

Charles H. Munch  
Project Manager

Copy to: FCC  
Experimental Radio Service  
ATTN: Sylvia Lam & Carl Huie  
P. O. Box 358320  
Pittsburgh, PA 15251-5320  
(FAX 202-418-1918/Phone 202-418-2430)