Mission Research Corporation
ALBUQUERQUE

1720 RANDOLPH ROAD, SE
ALBUQUERQUE
NEW MEXICO 87106-4245
(505) 768-7600

23, August 1994

Subject: Statement of intent for the
Licensing for two INMARSAT MX2020P terminals

To Whom it may concern,

Mission Research Corporation was founded in 1970. At that time MRC's primary focus was in ElectroMagnetic Phenomena. Since that time MRC has provided consulting services in areas ranging from high power microwave sources and effects to micro-electronics to space and atmospheric physics. In the areas of space and atmospheric physics and electromagnetic phenomenology MRC has been a leader in computer modeling and simulation as well as the design and fabrication of simulation test sets for satellite communication links. In this regard MRC has been contracted by the Phillips Laboratories located at Kirtland AFB New Mexico to evaluate the performance of INMARSAT terminals in various electromagnetic environments. Since the INMARSAT is a candidate link for several of their programs it is imperative that fully operational links be evaluated under normal operating conditions.

The use of the two links applied for in the attached application is strictly an evaluation effort of the INMARSAT communication link. The links will be collocated at a laboratory facility on Kirtland AFB. The longitude and latitude have been provided in FCC form 442 page 2. This will be the only location for the units.

Should you have any questions regarding this matter please contact the under signed at 505-768-7684.

Sincerely

David A. Schafer
Project Manager

Inmarsat

Inmarsat-A Land-mobile earth station (LMES) Commissioning Application Form

(Maritime users should use a Maritime Commissioning Application Form.)

Please type or write in BLOCK CAPITALS and forward this form to your national Routing Organization. Explanatory notes are attached to assist you.

For RO to record ECS details:

RO Code:
(RO) Appl. No*:
Country Code*:
Appl Date:
Bus. Unit:
Usage Class:
Applicant Code:

Manuf. Code:

Channel No. 1:
Main IMN*:
Secondary IMN*:

Channel No. 2:
Main IMN*:
Secondary IMN*:

Channel No. 3:
Main IMN*:
Secondary IMN*:

Channel No. 4:
Main IMN*:
Secondary IMN*:

* *Code generated by the ECS*

SECTION A APPLICATION DETAILS

Routing Organization: _____
Country of registration: USA
Usage of LMES: Mobile [XX] Fixed [ ] *(See Notes for more information.)*

SECTION B APPLICANT DETAILS

Name: Mission Research Corporation
Address: 1720 Randolph Rd. S.E.
Town: Albuquerque
State: N.M.
Post/ZIP: 87106 Country: USA
Telphn: 505-7687600 Fax: 505-7687601
Telex: _____
Contact name: David A. Schafer

SECTION C LMES EQUIPMENT DETAILS

Manufacturer: Magnavox Model: MAGNAPhone MX 2020P
Serial Number: 1931 Antenna size (m): .89 m

SECTION D CHANNEL DETAILS

Enter Y or N as appropriate for the number of channels required - (Ch2 to Ch4 available only on multi-channel LMESs):

	Ch 1	Ch 2	Ch 3	Ch 4
Main I/D:				
Privacy Y/N* :	Y			
4-letter ansbk: **	PHIL			
SERVICES Voice:	Y			
Telex:	Y			
HSD:	N			
DHSD:	N			
Other *(specify)*:	N			
2nd I/D Y/N:	Y			
SERVICES Voice:	Y			
HSD:	N			
DHSD:	N			
Other *(specify)*:	FAX			

* *Insert Y if the IMN is not to be published in the Inmarsat directory.*
** Specify a 4-character answerback code (ALPHA ONLY)

For RO to record ECS details:

SECTION E INSTALLATION DETAILS

Note:

The use of an Inmarsat transportable land-mobile earth station in a maritime environment is not permitted under the Terms and Conditions for the utilization of the Inmarsat Space Segment, as it is not type-approved for a maritime environment, and is incapable of generating priority 3 distress alerts.

Instaln. Code*:

Category Code *(3 letters)*:

Installation name: Phillips Laboratory

Installation category *(3 letters, see Notes)*: MOB

National Licensing Authority: _____

For fixed installations, complete the following section:

Location: _____

Intended use: _____

In the fixed installation, indicate how the ship earth station will be operated:

Attended ☐ Unattended ☐

SECTION F ACCOUNTING and BILLING DETAILS

Acc. Authority Code:

Acctg. Auth. Name *(must be supplied)*: Mission Research Corporation

Contact Name *(if known)*: _____

Address: 1720 Randolph Rd. S.E.

Town: Albuquerque

State: N.M. Post/ZIP: 87106

Country: USA Telex: _____

Telphn: 505-7687600 Fax: 505-7687601

Billing Entity Code:

BILLING ENTITY *(optional)*: _____

Contact name *(if known)*: _____

Address: _____

Town: _____

State: _____ Post/ZIP: _____

Country: _____ Telex: _____

Telphn: _____ Fax: _____

CREDIT/CHARGE CARD:

Card type: _____ Number: _____

Card holder: _____

Expiry date *(MM/YY)*: _____

* *Code generated by the ECS*

For RO to record ECS details:

Inst. Owner Code*:

MES Licensee Code*:

Inst. Manager Code*:

Comms. LES Code:

Comms. Agent Code:

* *Code generated by the ECS*

SECTION G OWNER/LICENSEE/MANAGER DETAILS

INSTALLATION OWNER *(if not completed, RO may assume Applicant to be Owner)*:

Address:
Town: State:
Post/ZIP: Country:
Telphn: Fax:
Telex:
Contact name:

INSTALLATION LICENSEE *(if not completed, RO may assume Applicant to be Licensee)*:

Address:
Town: State:
Post/ZIP: Country:
Telphn: Fax:
Telex:
Contact name:

INSTALLATION MANAGER *(if not completed, RO may assume Applicant to be Manager)*:

Address:
Town: State:
Post/ZIP: Country:
Telphn: Fax:
Telex:
Contact name:

SECTION H COMMISSIONING DETAILS

COMMISSIONING LES PREFERRED: Southbury, CT

COMMISSIONING DATE PREFERRED: *(DD/MM/YY) (please allow at least 7 days from date of sending this form to your RO)* : T B D

COMMISSIONING SITE/OCEAN REGION: AOR-W

COMMISSIONING AGENT: Magnavox
Address: 9 Brandywine Drive
Town: Deer Park State: NY
Post/ZIP: 11729 Country: USA
Telphn: 516-667-7710 Fax: 516-667-2235
Telex:
Contact name: Chris Baumgartner

CERTIFICATION and AGREEMENT

The Applicant agrees to comply with the attached Terms and Conditions for the utilization of the Inmarsat space segment applicable to the land-mobile earth station (LMES) described in this Application.

Applicant Name *(please print)*:

Signature: Date *(dd/mm/yy)*:

The Routing Organization:

a) declares that it has received from the Applicant the Commissioning Application Form duly completed and signed by the Applicant, *and*

b) agrees, pursuant to Article XIV of the Inmarsat Operating Agreement, and in consideration of Inmarsat accepting this Application, *either* in paper form, *or* in electronic form (magnetic media or direct electronic data transfer), to be responsible to Inmarsat for compliance by the LMES with all national and applicable international regulations governing the licensing, installation, operation and use of the LMES, and with all aforesaid Terms and Conditions.

R.O. Rep. Name *(please print)*:

Signature: Date *(dd/mm/yy)*: