

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WA8XGG

(Call Sign)

S-3300-EX-98

(File Number)

NAME COMSAT CORPORATION

See Below

(Location of Station)

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose of Operation:

**DEMONSTRATION OF COMMUNICATIONS CAPABILITIES OF INMARSAT TECHNOLOGIES
TO PROSPECTIVE CUSTOMERS AND TRAINING OF EMPLOYEES OF SUCH CUSTOMERS
IN THEIR USE.**

	Frequency	Class	Emission	Authorized
MHz		Stn	Designator	Power watts
	1626.50000-			
	1646.50000	FX	2K00G1W	4W (ERP)
		FX	16K0G1W	500W (ERP)
		FX	25K0G1W	4K (ERP)

Station Location:

US

Area Of Operation: **TEMPORARY FIXED LOCATIONS WITHIN THE
UNITED STATES**

Special Conditions:

See Attached Page 2

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective February 9, 1998 and
will expire 3:00 A.M. EST August 9, 1998

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) POINT OF COMMUNICATION: INMARSAT Satellite
- (2) EQUIPMENT: ONE (1) MAGNAVOX MX2400 INMARSAT-A, ONE (1) NERA SATURN B INMARSAT-B, TWO (2) THRANE & THRANE TT 3022A INMARSAT-C, TWO (2) TRIMBLE NAVIGATION TNL 7002 INMARSAT-C, ONE (1) MOBILE TELESYSTEMS 6000 INMARSAT-C AND ONE (1) SCIENTIFIC ATLANTA MARISTAR M INMARSAT-M TERMINALS.

5-3300-EX-98



Original

John E. Benedict
Senior Counsel

6560 Rock Spring Drive
Bethesda, MD 20817
Telephone 301 214 3473
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Telex 197800
Internet jeb.benedict@comsat.com

February 25, 1998

By Express Delivery

Ms. Magalie Salas, Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, D.C. 20554

Attn Paul Marrangoni
Chief, Experimental Licensing Branch
Office of Engineering and Technology

Re: Request for Special Temporary Authority for Radio Station License

Dear Ms. Salas:

COMSAT Corporation, through its COMSAT Mobile Communications division (COMSAT), herein requests a six-month grant of special temporary authority, to be effective as soon as possible, to operate eight (8) land-based Inmarsat ship earth stations from temporary-fixed locations in the U.S. In support of this request, COMSAT submits as follows:

On September 9, 1997, the Commission granted COMSAT Mobile Communications experimental special temporary authorization to operate the following eight terminals: one Magnavox MX2400 Inmarsat-A; one NERA Saturn B Inmarsat-B; two Thrane & Thrane TT 33022A Inmarsat-C; two Trimble Navigation TNL 7002 Inmarsat-C; one Mobile Telesystems 600 Inmarsat-C; and one Scientific Atlanta Maristar M Inmarsat-M terminal. These terminals are installed on the rooftop of COMSAT's headquarters building. The experimental STA file number is S-3021-EX-97, and the call sign is WA2XGG.

The authorization permitted COMSAT to test and demonstrate the communications capabilities of Inmarsat technologies to prospective customers and to train customer employees in their use. The Commission's grant of special temporary authorization for mobile radio station license expired on February 9, 1998. COMSAT requests that this authorization be renewed so that these terminals may be returned to service.

OK w/IB.
Use SRD-0383
By 3/6/98

1. Applicant's Name and Address:

COMSAT Mobile Communications (CMC)
6560 Rock Spring Drive
Bethesda, Maryland 20817

2. Name and Address of the Person for Inquiries Regarding the Request:

Charles C. Tinker
Applications Engineer
Room 7907
6560 Rock Spring Drive
Bethesda, Maryland 20817
301-214-3160

3. Particulars of Operation:

<u>Inmarsat Standard</u>	<u>Frequency</u>	<u>Power</u>	<u>Modulating Signal</u>	<u>Necessary Bandwidth</u>
A	1626.5-1646.5 Mhz	36 dbw	FM	25 Khz
B	1626.5-1646.5 Mhz	27 dbw	O-QPSK	25 Khz
C	1626.5-1646.5 Mhz	14 dbw	600 Mps	2 Khz
M	1626.5-1646.5 Mhz	27 dbw	8 Kbps	16 Khz

4. Geographical Location of the Proposed Operation:

Rooftop, COMSAT Headquarters Building
6560 Rock Spring Drive
Bethesda, Maryland 20817
Lat. 39 N; Long. 77 W

5. Antenna Type:

<u>Inmarsat Standard</u>	<u>Antenna Type</u>
A	Directional
B	Directional
C	Non-directional
M	Directional

6. Transmitting Equipment to be Installed:

<u>Manufacturer</u>	<u>Type</u>	<u>Number</u>
Magnavox	MX2400	1
NERA	Saturn B	1
Thrane & Thrane	TT 3022A	2
Trimble Navigation	TNL 7002	2
MobileTelesystems	6000	1
Scientific Atlanta	Maristar M	1

COMSAT is a U.S. corporation organized under the laws of the District of Columbia. COMSAT 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 permit, license, or renewal ever denied by the Commission.

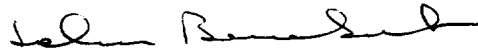
COMSAT states that grant of this request would not have a significant environmental impact and, thus, does not require an Environmental Statement under Section 1.1307 of the Commissions rules. The authorization sought herein will not be sought to fulfill the requirements of a government contract with an agency of the U.S. Government.

COMSAT further certifies that it is not subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 853a.

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

The requisite filing fee of \$45 is enclosed.

Respectfully submitted,



John E. Benedict

cc: Carl Huie
Sylvia Lam



FAX COVER SHEET

Page 1 of 3 pages

DATE: April 10, 1998

FROM: Douglas A. Young 1300 - E1
FEDERAL COMMUNICATIONS COMMISSION
Experimental Licensing Branch
2000 M Street, Suite 230
Washington, DC 20554

PHONE: (202) 418-2440

FAX: (202) 418-1918

TO: Mr. John E. Benedict

NAME

COMSAT Mobile Communications

COMPANY

(301) 214 - 3473

PHONE

(301) 214 - 7145

FAX

Mr. Benedict:

Here is a copy of COMSAT Mobile Communications's STA for station WA8XGG, File Number S-3300-EX-98. The original license will be mailed today.

Doug Young