178622

READ INSTRUCTIONS CAREFULLY BEFORE PROCEEDING

(1) LOCKBOX # 358210

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

PAGE NO._____ OF _____

APPROVED BY OMB 3060-0589

SPECIAL USE: ORIGINAL

FCC USE ONLY FCC/MELLON AUG 12 1998

SECTION A - PAYER INFORMATION

(2) PAYER NAME(if paying by credit card, enter name exactly as it appears on your card)
Crowell & Moring LLP

(3) TOTAL AMOUNT PAID (dollars and cents)
$ 1,830.00

64

(4) STREET ADDRESS LINE NO. 1
1001 Pennsylvania Avenue, N.W.

SAT-STA-19980812-00077
136-SAT-STA-98

(5) STREET ADDRESS LINE NO. 2

(6) CITY
Washington

(7) STATE
DC

(8) ZIP CODE
20004

(9) DAYTIME TELEPHONE NUMBER (Include area code)
(202) 624-2500

(10) COUNTRY CODE (if not in U.S.A.)

IF PAYER NAME AND THE APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)

SECTION B - APPLICANT INFORMATION

(11) APPLICANT NAME(if paying by credit card, enter name exactly as it appears on your card)
L/Q Licensee, Inc.

Received
AUG 20 1998
Policy Branch
Bureau

(12) STREET ADDRESS LINE NO. 1
3200 Zanker Road

(13) STREET ADDRESS LINE NO. 2

(14) CITY
San Jose

(15) STATE
CA

(16) ZIP CODE
95134

(17) DAYTIME TELEPHONE NUMBER (Include area code)
(408) 933-4000

(18) COUNTRY CODE (if not in U.S.A.)

COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEETS (FORM 159-C)

SECTION C - PAYMENT INFORMATION

(19A) FCC CALL SIGN/OTHER ID	(20A) PAYMENT TYPE CODE (PTC)	(21A) QUANTITY	(22A) FEE DUE FOR (PTC) IN BLOCK 20A	FCC USE ONLY
	C X W	1	$ 1,830.00	

(23A) FCC CODE 1	(24A) FCC CODE 2

(19B) FCC CALL SIGN/OTHER ID	(20B) PAYMENT TYPE CODE (PTC)	(21B) QUANTITY	(22B) FEE DUE FOR (PTC) IN BLOCK 20B	FCC USE ONLY
			$	

(23B) FCC CODE 1	(24B) FCC CODE 2

(19C) FCC CALL SIGN/OTHER ID	(20C) PAYMENT TYPE CODE (PTC)	(21C) QUANTITY	(22C) FEE DUE FOR (PTC) IN BLOCK 20C	FCC USE ONLY
			$	

(23C) FCC CODE 1	(24C) FCC CODE 2

(19D) FCC CALL SIGN/OTHER ID	(20D) PAYMENT TYPE CODE (PTC)	(21D) QUANTITY	(22D) FEE DUE FOR (PTC) IN BLOCK 20D	FCC USE ONLY
			$	

(23D) FCC CODE 1	(24D) FCC CODE 2

SECTION D - TAXPAYER INFORMATION (REQUIRED)

(25)

CROWELL & MORING LLP
1001 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, D.C. 20004-2595
(202) 624-2500
FACSIMILE (202) 628-5116

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2010 MAIN STREET
IRVINE, CALIFORNIA 92614
(714) 263-8400
FACSIMILE (714) 263-8414

180 FLEET STREET
LONDON EC4A 2HD
44-171-413-0011
FACSIMILE 44-171-413-0333

WILLIAM D. WALLACE
(202) 624-2807
wwallace@cromor.com

August 11, 1998

BY FEDERAL EXPRESS

Federal Communications Commission
International Bureau, Satellites
P.O. Box 358210
Pittsburgh, PA 15251-5210

Dear Sir/Madam:

Transmitted herewith for filing with the Commission on behalf of L/Q Licensee, Inc., are an original and nine copies of its request for Special Temporary Authority ("STA") to permit testing of Globalstar satellite transmissions at the orbital altitude of 920 km following the system's next three launches.

Enclosed is a check for the applicable filing fee in the amount of $1,830.00 made payable to the Federal Communications Commission.

Also enclosed is a copy of the request marked "File Copy" and a self-addressed, stamped envelope. Please date stamp the File Copy and return it to me in the enclosed envelope.

Should there be any questions regarding this filing, please communicate with this office.

Very truly yours,

William D. Wallace

Enclosures

cc: Regina M. Keeney
Thomas S. Tycz
Fern Jarmulnek
Karl Kensinger
Cassandra Thomas
Harry Ng

Globalstar

3200 Zanker Road
San Jose, CA 95134

Douglas G. Dwyre
President

August 7, 1998

Mr. Thomas S. Tycz
Chief, Satellite & Radiocommunication Division
International Bureau
Federal Communications Commission
2000 M Street, N.W. Suite 811
Washington, DC 20554

136-SAT-STA-98

RE: Request of L/Q Licensee, Inc. for Special Temporary Authority

SAT-STA-19980812-00064

Dear Mr. Tycz:

This letter is written on behalf of L/Q Licensee, Inc. ("LQL"), to request Special Temporary Authority ("STA") for satellites of the Globalstar™ Non-Geostationary Mobile-Satellite Service ("MSS") system to transmit at a lower than authorized orbit for testing. As the Commission is aware, the Globalstar system has been authorized for construction, launch and operation,[1] and should begin commercial operation during the first half of 1999.

The Globalstar system consists of 48 technically-identical satellites, orbiting the Earth in a circular orbit, and eight in-orbit spares. Globalstar launched its first four satellites on February 14, 1998, and four more satellites on April 24, 1998. Prior to the first launch, Globalstar requested and received an STA to initiate test of the satellite communications payloads at 1250 km. This letter requests similar authority for the next three Globalstar launches.

Globalstar plans to launch 36 satellites in three launches from the Baikonur Cosmodrome, Kazakhstan. These launches are planned for the second week in September, the third week in October and the second week in December -- 12 satellites on each launch. It takes about 56 days to move all satellites of a 12-satellite launch into final orbit position. Globalstar would like to test the communications payload while the satellites are at 920 km.

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[1] See Loral/Qualcomm Partnership, L.P., 10 FCC Rcd 2333 (1995) (authorizing constellation and use of service links); L/Q Licensee, Inc., 11 FCC Rcd 16410 (1996) (authorizing use of feeder links).

Pursuant to Section 25.120(a) of the Commission's Rules (47 C.F.R. § 25.120(a)), LQL is requesting authority to transmit from a satellite at the test altitude of 920 km for 180 days, effective September 7, 1998. This period should cover all three Zenit launches. An additional request may be submitted at a later date to cover the final three launches on Soyuz vehicles. For these tests, the satellite would transmit on the user link frequencies at 2483.5-2500 MHz and the feeder link frequencies at 6875-7055 MHz.

The public interest would be served by grant of this STA. First, LQL will use the STA only for testing of Globalstar satellites in-orbit. These tests will provide information necessary for completion of the orbit-raising sequence as well as the in-orbit performance of the satellite payload. Because the upcoming launches are the first launches of 12 satellites for the Globalstar system, the information obtained will also be used in subsequent launches.

Second, transmissions at 920 km will be limited in time and scope because the tests do not require continuous operation of the satellites.

Third, grant of this STA will promote expeditious development of Globalstar mobile-satellite service to the public. Because the orbit-raising sequence is extended for each satellite in 12-satellite launches, it will be useful to test the performance of the satellites as quickly as possible, and thereby facilitate implementation of the system on the current schedule.

LQL anticipates no issue related to the system's power flux density ("PFD") levels as a result of these tests. Globalstar will operate within the PFD levels adopted at the 1995 World Radiocommunication Conference. See L/Q Licensee, Inc., 11 FCC Rcd at 16415. Tests of the satellite will conform to these limits.

Complete information regarding the satellite constellation is available in the Globalstar application (filed June 3, 1991) and technical amendments (filed November 15, 1994 and March 8, 1996). For your reference, a brief summary of the relevant technical parameters is provided below.

The 48 operational satellites are placed in eight orbital planes of six satellites each, which are equally phased within the orbital plane. Each orbital plane has an inclination angle of 52 degrees. The separation between planes is 45 degrees. Each satellite has a 7.5 degree phase shift to the satellite in the adjacent orbital plane. The orbital period is 114 minutes. The apogee and perigee are 1414 kilometers. The active service arc is 360 degrees.

Globalstar is authorized to operate its user links in the 1610-1621.35 MHz (earth-to-space) and 2483.5-2500 MHz (space-to-earth) bands within the United States, and is authorized to build its system for operation globally in the 1610-1626.5 MHz and 2483.5-2500 MHz. Globalstar's authorized feeder links are 5091-5250 MHz (earth-to-space) and 6875-7055 MHz (space-to-earth). The system's

telemetry and command channels are located within the feeder link assignments; the telemetry channel center frequencies range from 6876 to 6877.1 MHz and the command channel is centered at 5091.5 MHz.

Launch of the Globalstar satellite constellation advances the Commission's efforts to open a new era in satellite technology. Grant of this STA will facilitate Globalstar's efforts to implement the satellite system on an expeditious schedule and commence commercial service in the first half of 1999. Accordingly, LQL respectfully requests that this request be granted.

Should there be any other information requirements, please communicate with the undersigned.

Very truly yours,

Douglas G. Dwyre, President

William F. Adler
Vice President, Legal and
Regulatory Affairs

William D. Wallace
Crowell & Moring LLP
1001 Pennsylvania Avenue, N.W.
Washington, DC 20004
(202) 624-2807

cc: Regina M. Keeney
Chief, International Bureau

Anti-Drug Act Certification

I hereby certify that neither the applicant nor any other party to this application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance.

Douglas G. Dwyre