



American Mobile

ORIGINAL

SES-STA-20000209-00208  
AMSC SUBSIDIARY CORPORATION

E900081

VIA COURIER DELIVERY TO MELLON BANK

Ms. Magalie Roman Salas  
Secretary  
Federal Communications Commission  
The Portals  
445 Twelfth Street, SW  
Washington, D.C. 20554

Lon C. Levin  
Vice President and  
Regulatory Counsel  
PHONE: 703 758 6150  
FAX: 703 758 6189  
EMAIL: lon.levin@ammobile.com

February 9, 2000 **Granted**

date: 2/12/00 to 8/12/00

authorized by:  
Sybilan 2/12/00  
signature

Re: Request for Extension of Special Temporary Authority  
File No. 681-DSE-MP/L-95

FEB 15 2000

Dear Ms. Roman Salas:

AMSC Subsidiary Corporation ("AMSC"), respectfully requests that the Commission extend its special temporary authority ("STA") to operate 10,000 half-duplex mobile earth terminals ("METs") with a transmit bandwidth of 20 kHz under its above-captioned blanket license for mobile data terminals for an additional 180 days. The Commission granted the original STA on February 12, 1999 and it has since been extended through February 12, 2000. Grant of this extension request will allow operation of these terminals until August 12, 2000.

Satellite and  
Radiocommunications Divi  
International Bureau

AMSC's existing half-duplex terminals have a transmit bandwidth of 5 kHz, consistent with its underlying authorization. The METs that are the subject of this request are manufactured by Vistar Telecommunications, Inc. ("Vistar"). Because of the nature of Vistar's traffic and the efficient design of the service, the Vistar terminals use very little spectrum; up to 50,000 Vistar terminals can operate on a single 20 kHz transmit channel and 5 kHz receive channel. Grant of this STA extension request is in the public interest, as these spectrum-efficient Vistar terminals will be used to transmit alarm and positional data, and other low-data-volume traffic from mobile units such as trucks, trailers, freight cars, and similar vehicles.

The additional terminals will otherwise operate within the parameters of AMSC's existing authorization. The level of out-of-band and spurious emissions from these terminals conforms to Section 25.202(f) of the Commission's rules and to the Memorandum of Understanding among the FCC, NTIA, and the FAA, thus providing sufficient protection to GPS and Glonass. These terminals also comply with the Commission's proposed limits on out-of-band emissions from terminals operating in the

Federal Communications Commission  
February 9, 2000  
Page 2

MSS L-band. Specifically, the Vistar terminals satisfy the Commission's proposed out-of-band emissions limit of -70 dBW/MHZ averaged over any 20 ms period for wide band emissions occurring between 1559-1605 MHZ and -80 dBW/700 Hz for narrow band emissions occurring between 1559-1605 MHZ, over a measurement bandwidth of 700 Hz. See Amendment of Parts 2 and 25 to Implement the Global Mobile Personal Communications by Satellite (GMPCS) Memorandum of Understanding and Arrangements, *Notice of Proposed Rulemaking*, IB Docket No. 99-67, RM No. 9165 (rel. March 5, 1999).

A check in the amount of \$135.00, payable to the Federal Communications Commission, is enclosed to cover the requisite filing fee. AMSC hereby certifies that no 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. §853(a).

Please address any questions concerning this matter to the undersigned.

Very truly yours,



Lon C. Levin

cc: Harry Ng  
Frank Peace  
Tom Tycz

02-10-00 0358160 8160466 1 004 10



Mellon Bank

FISHER WAYLAND COOPER LEADER & ZARAGOZA LLP.

ATTORNEYS AT LAW  
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WASHINGTON, D.C. 20006-1851  
202/659-3494

SIGNET BANK, N.A. 1590-814  
WASHINGTON, D.C. 540

008870

Check No.  
8870

PAY  
TO THE  
ORDER OF

ONE HUNDRED THIRTY-FIVE AND 00/100

DATE  
02-09-00

AMOUNT  
\$135.00

FEDERAL COMMUNICATIONS COMMISS  
445 12 STREET, S.W.  
WASHINGTON, DC 20554

*[Handwritten Signature]*  
AUTHORIZED SIGNATURE

⑈008870⑈ ⑆054000807⑆ 667⑈ 1040324⑈ ⑆0000013500⑆

Security Features Included. Details on back.

8870

READ INSTRUCTIONS CAREFULLY BEFORE PROCEEDING  
(1) LOCKBOX # 358160

FEDERAL COMMUNICATIONS COMMISSION  
**REMITTANCE ADVICE**

APPROVED BY OMB 3060-0589

SPECIAL USE  
FCC/MELLON FEB 09 2000

PAGE NO. 1 OF 1

**SECTION A - PAYER INFORMATION**

(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card)  
Fisher Wayland Cooper Leader & Zaragoza L.L.P.

(3) TOTAL AMOUNT PAID (dollars and cents)  
\$ 135.00

(4) STREET ADDRESS LINE NO. 1  
2001 Pennsylvania Avenue, N.W., Suite 400  
(5) STREET ADDRESS LINE NO. 2

**ORIGINAL**

(6) CITY  
Washington

(7) STATE  
DC

(8) ZIP CODE  
20006

(9) DAYTIME TELEPHONE NUMBER (Include area code)  
(202) 659-3494

(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)  
AMSC Subsidiary Corporation

FEB 15 2000

(12) STREET ADDRESS LINE NO. 1  
10802 Parkridge Blvd.

Satellite and  
Radio Communications Division  
International Bureau

(13) STREET ADDRESS LINE NO. 2

(14) CITY  
Reston

(15) STATE  
VA

(16) ZIP CODE  
20191

(17) DAYTIME TELEPHONE NUMBER (Include area code)  
(703) 758-6000

(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	G	B			

(23A) FCC CODE 1	(24A) FCC CODE 2
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(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
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(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
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(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
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**SECTION D - TAXPAYER INFORMATION (REQUIRED)**