American Mobile

E9 00081
SES-STA - 19990723 - 01290

Received

Granted

JUL 2 (1999), 1999

date: 8/12/99 to 2/12/2000

Satellite and
Telecommunications authorized by:

signature   10/22/99

DELIVER VIA COURIER TO MELLON BANK

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

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

Dear Ms. 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 is set to expire on August 12, 1999. Grant of this
extension request will allow operation of these terminals until February 12, 2000.

        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 MSS L-band. Specifically, the Vistar terminals
satisfy the Commission's proposed out-of-band emission limit of -70 dBW/MHz averaged over
any 20 ms period for wide band emissions occurring between 1559-1605 MHz and -80 dBW/700
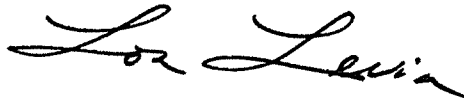Hz for narrow band emissions occurring between 1559-1605 MHz, over a measurement
bandwidth of

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).

Attached hereto is a check made payable to the Federal Communications Commission for the sum of One Hundred Thirty-five Dollars ($135.00) to cover the fee associated with this filing. 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 or to Bruce Jacobs at (202) 775-3543.

Very truly yours,

Lon C. Levin

cc: Harry Ng
        Frank Peace
        Tom Tycz

J:\DATA\CLIENT\42\4232\PLDG.OLD\VIST.G16

Mellon Bank

FISHER WAYLAND COOPER LEADER & ZARAGOZA L.L.P.
ATTORNEYS AT LAW
2001 PENNSYLVANIA AVENUE, N.W. SUITE 400
WASHINGTON, D.C. 20006-1851
202/659-3494

SIGNET BANK, N.A.
WASHINGTON, D.C.
15-80-814
540

007513

Check No.
7513

PAY
TO THE
ORDER OF

ONE HUNDRED THIRTY-FIVE AND 00/100

DATE

07-23-99

AMOUNT

$135.00

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

AUTHORIZED SIGNATURE

⑈ Security Features Included. Details on back.

⑈007513⑈ ⑊054000807⑊ 667⑈1040324⑈ ⑊000001 3500⑈

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

(1) LOCKBOX # 358160

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE

PAGE NO. 1 OF 1

FCC/MELLON SPECIAL USE JUL 23 1999

FCC USE ONLY

APPROVED BY OMB 3060-0589

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 and Zaragoza LLP

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

ORIGINAL

(4) STREET ADDRESS LINE NO. 1
2001 Pennsylvania Ave., N.W., #400

(5) STREET ADDRESS LINE NO. 2
SES-STA-19990723-01290

(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 THE AND 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

Received

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

(13) STREET ADDRESS LINE NO. 2

JUL 27 1999

(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
E900081	C	G	B	1	$ 135.00	
(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)