

07-09-97 0358160 8160441 2 001 21

E 900081  
1571-DSE-MP/L 97



FISHER WAYLAND COOPER LEADER & ZARAGOZA LLP  
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

002198

Check No.  
2198

PAY  
TO THE  
ORDER OF

ONE HUNDRED THIRTY AND 00/100

DATE

07-08-97

AMOUNT

\$130.00

FEDERAL COMMUNICATIONS COMMISS  
1919 M STREET, N.W.  
WASHINGTON, DC 20554

*Wayland Cooper Leader*  
AUTHORIZED SIGNATURE

⑈002198⑈ ⑆054000807⑆ 667⑈ 1040324⑈

⑈0000013000⑈

# FCC REMITTANCE ADVICE

PAGE NO. 1 OF 1

(RESERVED)

E900081 1571-DSE-MP/L -97  
AMSC SUBSIDIARY CORPORATION

(30,000 units)

(Read instructions carefully BEFORE proceeding.)

### PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER	Did you have a number prior to this? Enter it.	(2) TOTAL AMOUNT PAID (dollars and cents)
0 5 3 0 1 9 0 5 2 3		\$ 130.00

(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)

**Received ORIGINAL**

Fisher Wayland:SJB

(4) STREET ADDRESS LINE NO. 1

2001 Pennsylvania Avenue, N.W., #400

JUL 15 1997

(5) STREET ADDRESS LINE NO. 2

(6) CITY

Washington

Satellite and  
Radiocommunications Division  
International Bureau

(7) STATE

DC

(8) ZIP CODE

20006

(9) DAYTIME TELEPHONE NUMBER (Include area code)

(202) 659-3494

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

### ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR	FCC USE ONLY
AMSC Subsidiary Corporation	

(12A) FCC CALL SIGN/OTHER ID	(13A) ZIP CODE	(14A) PAYMENT TYPE CODE	(15A) QUANTITY	(16A) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14
681-DSE-MP/L-95	22091	C G B	1	\$ 130.00

(17A) FCC CODE 1	(18A) FCC CODE 2

(19A) ADDRESS LINE NO. 1	(20A) ADDRESS LINE NO. 2	(21A) CITY/STATE OR COUNTRY CODE
10802 Parkridge Blvd.		Reston, VA

### ITEM #2 INFORMATION

(11B) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR	FCC USE ONLY

(12B) FCC CALL SIGN/OTHER ID	(13B) ZIP CODE	(14B) PAYMENT TYPE CODE	(15B) QUANTITY	(16B) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14
				\$

(17B) FCC CODE 1	(18B) FCC CODE 2

(19B) ADDRESS LINE NO. 1	(20B) ADDRESS LINE NO. 2	(21B) CITY/STATE OR COUNTRY CODE

### CREDIT CARD PAYMENT INFORMATION

(22) MASTERCARD/VISA ACCOUNT NUMBER:

Mastercard  Visa

EXPIRATION DATE:   /

Month Year

(23) I hereby authorize the FCC to charge my VISA or Mastercard for the service(s)/authorization(s) herein describe.

AUTHORIZED SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

# ShawPittman

A Law Partnership Including Professional Corporations

STEPHEN J. BERMAN  
202.429.4683  
stephen.berman@shawpittman.com

ORIGINAL

RECEIVED

AUG 11 2000

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

August 11, 2000

## VIA HAND DELIVERY

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

E900081

01571-DSE-MPL-97.

SES-MOD-19970708-

00921.

**Re: Notification of Withdrawal of Application for Minor  
Modification of Blanket License Authorization  
Motient Services Inc., File No. SES-MOD-199900808-00921**

Dear Ms. Roman Salas:

Motient Services Inc. ("Motient," formerly AMSC Subsidiary Corporation), through its attorneys, hereby withdraws its July 8, 1997 application for minor modification of its blanket authorization for mobile data terminals. See File No. SES-MOD-199900808-00921. If you have any questions regarding the withdrawal of this application, please contact the undersigned.

Very truly yours,

  
Stephen J. Berman

cc: Sylvia Lam





American Mobile Satellite Corporation

Lon C. Levin  
Vice President

10802 Parkridge Blvd  
Reston VA 20191-5416

703 758 6150  
FAX 758 6189  
levin@skycell.com

July 8, 1997

**VIA COURIER DELIVERY TO MELLON BANK**

Mr. William F. Caton  
Acting Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Washington, D.C. 20554

**Received**

**JUL 15 1997**

**Re: Request for Minor Modification  
File No. 681-DSE-MP/L-95**

**Satellite and  
Radiocommunications Division  
International Bureau**

Dear Mr. Caton:

AMSC Subsidiary Corporation ("AMSC") respectfully requests that the Commission modify the above-referenced authorization to permit AMSC to operate half-duplex mobile earth terminals ("METs") with a transmit bandwidth of 25 kHz. Consistent with its current authorization, AMSC's existing half-duplex terminals have a transmit bandwidth of 5 kHz. AMSC now intends to use METs manufactured by Vistar Telecommunications, Inc. ("Vistar"), and transmissions from these terminals require a wider bandwidth than do transmissions from AMSC's existing terminals. This greater transmit bandwidth is required by Vistar's use of CDMA technology, which enables up to ten terminals to transmit simultaneously.

These Vistar 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.

Attached hereto is a check made payable to the Federal Communications Commission for the sum of One Hundred Thirty Dollars (\$130.00) 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).

Mr. William F. Caton  
July 8, 1997  
Page 2

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  
Steve Sharkey

FEDERAL COMMUNICATIONS COMMISSION  
INTERNATIONAL BUREAU

SATELLITE ENGINEERING BRANCH  
SATELLITE & RADIO COM. DIVISION

FILE NO: 1571-DSE-MP/L -97 ( )  
FEE NO: 8160441-001 CALL SIGN: E900081-  
SITE-ID:

DATES: FILED: 07/08/1997 LOGGED: 08/26/1997 UPDATED: 09/10/1997 PUBLIC NOTICE: 09/17/1997

APPLICANT: AMSC SUBSIDIARY CORPORATION

APPLICANT CODE: AMSC  
COUNTY: (30,000 units) STATE:  
COORDINATES

SITE ADDRESS: 30,000 Mobile Earth Stations  
CITY:

INFORMATIVE: AMSC proposes to modify its existing L-Band authorization,  
File No. 681-DSE-MP/L-95, to the extent of increasing the bandwidth of its MET  
terminal(s) from 5 kHz to 25 kHz and from full-duplex to half-duplex.

LAT  
LONG

STATUS: PL -09/17/1997- -TLB/FP

INTERIM ACTION: - / / - / / - - / /

CURRENT STATION AUTHORIZATION: 179-DSE-MP/L -97

SERVICE CODES: DFS, -FES-C-TR

ENVIRONMENTAL ACTION:

POINTS OF COMMUNICATION: AMSC-1,,,,,

CONDITIONS: 2932

	FREQUENCIES (MHz)	POL	EMISSION	EIRP (dBW)	EIRP DEN. (dBW/4kHz)	ASSOCIATED ANTENNA (S)	SPECIAL PROVISIONS
1. R	1530.0000 - 1559.0000	C	1K20G1D				
2. R	1530.0000 - 1559.0000	C	2K40G1D				
3. R	1530.0000 - 1559.0000	C	4K80G1D				
4. R	1530.0000 - 1559.0000	C	9K60G1D				
5. T	1626.5000 - 1660.5000	C	1K20G1D	14.00			
6. T	1626.5000 - 1660.5000	C	2K40G1D	17.00			
7. T	1626.5000 - 1660.5000	C	4K80G1D	20.00			
8. T	1626.5000 - 1660.5000	C	9K60G1D	23.00			

RECORD OF COMMISSION ACTION

( ) APPROVED ( ) DISMISSED ( ) DENIED ( ) SURRENDERED ( ) APPROVED AS MODIFIED ABOVE  
BY ON / / PURSUANT TO AUTHORITY DELEGATED BY

COMMISSION ACTION REPORTED TO APPLICANT BY

DATA ENTRY: DATE: / / REFERRED TO: DATE: / /  
FEES: DATE: / / REFERRED TO: DATE: / /  
APP. COMPLETE: DATE: / / REFERRED TO: DATE: / /  
TECHNICAL: DATE: / / REFERRED TO: DATE: / /  
LEGAL: DATE: / / REFERRED TO: DATE: / /

28 ON 9/11/97

UNITED STATES OF AMERICA  
 FEDERAL COMMUNICATIONS COMMISSION  
**RADIO STATION AUTHORIZATION**

( page 1 )

\*\*\* D R A F T \*\*\*

CALL SIGN: E900081  
 FILE NO.: 1571-DSE-MP/L-97

NAME: AMSC SUBSIDIARY CORPORATION

MODIFIED CONSTRUCTION PERMIT AND LICENSE

DATE OF GRANT: ,

COMMON CARRIER

EXPIRATION DATE: JANUARY 21, 2002

NATURE OF SERVICE: DOMESTIC FIXED SATELLITE SERVICE

CLASS OF STATION: FIXED EARTH STATION

	LATITUDE	LONGITUDE
LOCATION OF STATION:		
STATION ADDRESS: 30,000 Mobile Earth Stations (30,000 units) County),		

SUBJECT TO THE PROVISIONS OF THE COMMUNICATIONS ACT OF 1934, THE COMMUNICATIONS SATELLITE ACT OF 1962, SUBSEQUENT ACTS AND TREATIES, AND ALL PRESENT AND FUTURE REGULATIONS MADE BY THIS COMMISSION, AND FURTHER SUBJECT TO THE CONDITIONS AND REQUIREMENTS SET FORTH IN THIS PERMIT AND LICENSE, THE GRANTEE IS AUTHORIZED TO CONSTRUCT, USE AND OPERATE THE RADIO FACILITIES DESCRIBED BELOW FOR RADIO COMMUNICATIONS FOR THE TERM BEGINNING JANUARY 21, 1992 (3 A.M. EASTERN STANDARD TIME) AND ENDING JANUARY 21, 2002 (3 A.M. EASTERN STANDARD TIME). THE REQUIRED DATE OF COMPLETION OF CONSTRUCTION IS JANUARY 21, 1997. GRANTEE MUST FILE WITH THE COMMISSION A CERTIFICATION UPON COMPLETION OF CONSTRUCTION.

1. PARTICULARS OF OPERATIONS

FREQUENCIES (MHz) AND POLARIZATION	EMISSION	EIRP (dBW)	EIRP DENSITY (dBW/ 4kHz)	ASSOCIATED ANTENNA(S)	SPECIAL PROVISIONS (REFER TO FCC FORM 488-A)
1. 1530.000- 1559.000 L,R 1K20G1D		- - -	- - -		
2. 1530.000- 1559.000 L,R 2K40G1D		- - -	- - -		
3. 1530.000- 1559.000 L,R 4K80G1D		- - -	- - -		
4. 1530.000- 1559.000 L,R 9K60G1D		- - -	- - -		
5. 1626.500- 1660.500 L,R 1K20G1D		14.00	14.00		
6. 1626.500- 1660.500 L,R 2K40G1D		17.00	17.00		
7. 1626.500- 1660.500 L,R 4K80G1D		20.00	20.00		
8. 1626.500- 1660.500 L,R 9K60G1D		23.00	23.00		

2. FREQUENCY COORDINATION LIMITS

Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max. EIRP Density to	Associated Antenna(s)
	East Limit	West Limit	East Lim.	West Lim.	East Limit	West Limit	Horizion	
1. 1530.000- 1559.000	15.0W	183.5W	-	-	-	-		
2. 1626.500- 1660.500	15.0W	183.5W	-	-	-	-		

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

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# RADIO STATION AUTHORIZATION

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( page 2 )

\*\*\* D R A F T \*\*\*

CALL SIGN: E900081  
FILE NO.: 1571-DSE-MP/L-97

RECEIVING SYSTEM NOISE TEMPERATURE:  
RECEIVING SYSTEM NOISE TEMPERATURE (Continued):  
240 KELVIN AT DEGREES ELEVATION AND MHZ

3. POINTS OF COMMUNICATIONS -- THE FOLLOWING SPACE STATIONS LOCATED IN THE GEO-STATIONARY SATELLITE ORBIT CONSISTENT WITH SECTIONS 1 AND 2 OF THIS LICENSE:  
a. satellite(s)

4. TRANSMITTING EQUIPMENT

UNITS MANUFACTURER	MODEL NUMBER	OUTPUT POWER-WATTS
1. 1 to be determined	to be determined	20.0

5. ANTENNA FACILITIES SITE/ELEVATION: METERS AMSL  
The antenna sidelobe pattern(s) do(es) not meet the requirements of Section 25.209 of FCC Rules and Regulations as amended for two degree spacing.

UNITS	DIAMETER (Meters)	FEED MANUFACTURER	MODEL NUMBER	MAX. ANT. HT. (Meters)
1.	1	0.15 OTHR to be determined	TO BE DETERMINED	AMSL
		MAX. GAIN(S): 5.0 dBi at 1.000 GHz	5.0 dBi at 1.000 GHz	AGL
2.	1	0.40 OTHR to be determined	TO BE DETERMINED	AMSL
		MAX. GAIN(S): 14.0 dBi at 1.000 GHz	14.0 dBi at 1.000 GHz	AGL

6. REMOTE CONTROL POINT: CALL SIGN:  
LOCATION: 1233 20TH STREET, N.W., SUITE 301  
WASHINGTON, DC 20036-

7. ANTENNA STRUCTURE MARKING AND LIGHTING REQUIREMENTS: NONE

ATTACHED FCC FORMS 488-A AND 488-B (STANDARD PROVISIONS) ARE INCORPORATED INTO THIS AUTHORIZATION. SPECIAL PROVISION REFERENCE NUMBERS ARE LISTED IN SECTION 1 ABOVE; GENERAL PROVISION REFERENCE NUMBERS ARE AS FOLLOWS:  
(1): 2932



FEDERAL COMMUNICATIONS COMMISSION  
INTERNATIONAL BUREAU / SATELLITE & RADIO COM. DIVISION  
EARTH STATION RF RADIATION HAZARD EVALUATION  
REPORT: RADHAZ3      RUN DATE: Wed Sep 10 1997

File No.: 1571-DSE-MP/L -97  
Applicant: AMSC SUBSIDIARY CORPORATION

Call Sign: E900081

SITE LOCATION: Street: 30,000 Mobile Earth Stations  
City:  
County: (30,000 units)  
State:                      COORDINATES:

TRANSMITTED EMISSIONS:

5.	1626.500-	1660.500 MHz	1K20G1D	14.00 dBW
6.	1626.500-	1660.500 MHz	2K40G1D	17.00 dBW
7.	1626.500-	1660.500 MHz	4K80G1D	20.00 dBW
8.	1626.500-	1660.500 MHz	9K60G1D	23.00 dBW

TRANSMITTER EQUIPMENT:

1. Quantity = 1    Rated Transmitter Power =      20.0 Watts

Max. Flux Density computed for: 9K60G1D EIRP: 23.0 dBW at 1660.500 MHz  
Maximum Transmitter Equipment Power = 20.0 Watts  
Wavelength: 18.06685 cm, Assumed Antenna Efficiency: 0.55

ANTENNAS:

Ant No.	Dia-meter	Gain-Band (dBi-GHz)	Values Used to Compute Flux Density	Field /From	Distance (Meters)	Flux Density (mW/cm2)
1	.15m	5.0- 1.000	Ant. Gain: 5.0 dBi	NEAR/Car.	.0	785.5074
			Car. Power: 18.0 dBW	FAR/Car.	.1	284.3723
			Xmtr Power: 20.0 W	NEAR/Xmtr		248.9891
				FAR/Xmtr		90.1400
2	.40m	14.0- 1.000	Ant. Gain: 14.0 dBi	NEAR/Car.	.2	13.9063
			Car. Power: 9.0 dBW	FAR/Car.	.5	5.6236
			Xmtr Power: 20.0 W	NEAR/Xmtr		35.0141
				FAR/Xmtr		14.1593

\*\*\*\*\*  
\* THE SAFE RF RADIATION LIMIT OF 5.0 mW/cm2 IS EXCEEDED BY THIS FACILITY! \*  
\*\*\*\*\*

FEDERAL COMMUNICATIONS COMMISSION  
 INTERNATIONAL BUREAU / SATELLITE & RADIO COM. DIVISION  
 TRANSMITTING EARTH STATION ENGINEERING EVALUATION  
 REPORT: ENGCHK3 RUN DATE: Wed Sep 10 1997

File No.: 1571-DSE-MP/L -97  
 Applicant: AMSC SUBSIDIARY CORPORATION  
 Call Sign: E900081  
 Page 1

SITE LOCATION: Street: 30,000 Mobile Earth Stations  
 City:  
 County: (30,000 units)  
 State: COORDINATES:  
 APPLICATION CATEGORY: MOBSAT-  
 CLASS OF STATION: FES

ANTENNAS:

Ant. No.	Diameter (meters)	Quan- tity	Feed Type	Make	Model	Antenna Gain(s) (dBi @ GHz)
1.	0.15	1	OTHR	C	to be determined	5.0@ 1.000 5.0@ 1.000

EMISSIONS WITH THIS ANTENNA:

No.	Emission Frequency (MHz)	EIRP (dBW)	EIRP Den. (dBW/4kHz)	Signal Type	B.W. (kHz)	Applicable Power Limit	Antenna Diam. Limit	Is EIRP <= Den x Bw (to tenth)	Are Limits Meet? Power Antenna Limit
1.	1K20G1D	1530.000-1559.000		digital	1.20				.00
2.	2K40G1D	1530.000-1559.000		digital	2.40				.00
3.	4K80G1D	1530.000-1559.000		digital	4.80				.00
4.	9K60G1D	1530.000-1559.000		digital	9.60				.00
5.	1K20G1D	1626.500-1660.500	14.00	digital	1.20				.00
6.	2K40G1D	1626.500-1660.500	17.00	digital	2.40				.00
7.	4K80G1D	1626.500-1660.500	20.00	digital	4.80				.00
8.	9K60G1D	1626.500-1660.500	23.00	digital	9.60				.00

Ant. Diameter Quan- tity Feed Type Make Model Antenna Gain(s) (dBi @ GHz)

2.	0.40	1	OTHR	C	to be determined	14.0@ 1.000 14.0@ 1.000
----	------	---	------	---	------------------	-------------------------

EMISSIONS WITH THIS ANTENNA:

No.	Emission Frequency (MHz)	EIRP (dBW)	EIRP Den. (dBW/4kHz)	Signal Type	B.W. (kHz)	Applicable Power Limit	Antenna Diam. Limit	Is EIRP <= Den x Bw (to tenth)	Are Limits Meet? Power Antenna Limit
1.	1K20G1D	1530.000-1559.000		digital	1.20				.00
2.	2K40G1D	1530.000-1559.000		digital	2.40				.00
3.	4K80G1D	1530.000-1559.000		digital	4.80				.00
4.	9K60G1D	1530.000-1559.000		digital	9.60				.00
5.	1K20G1D	1626.500-1660.500	14.00	digital	1.20				.00
6.	2K40G1D	1626.500-1660.500	17.00	digital	2.40				.00
7.	4K80G1D	1626.500-1660.500	20.00	digital	4.80				.00
8.	9K60G1D	1626.500-1660.500	23.00	digital	9.60				.00

No inconsistent values identified.

THIS STATION HAS ANTENNA(S) < 1.2 METER IN DIAMETER. DOES THIS MICRO-ANTENNA HAVE A NON-CIRCULAR APERTURE?

FEDERAL COMMUNICATIONS COMMISSION  
INTERNATIONAL BUREAU

ANTENNA DATA REPORT

SEND TO: ANTENNA SURVEY BRANCH  
DATE FILED: 07/08/1997

RETURN TO: SATELLITE ENGINEERING BRANCH  
ATTN: TLB

APPLICANT: AMSC SUBSIDIARY CORPORATION

ANALYSIS RECORD  
-----

FILE NUMBER: 1571-DSE-MP/L -97 CALL SIGN: E900081  
SITE-ID:  
SITE LOCATION ADDR: 30,000 Mobile Earth Stations  
COUNTY: (30,000 units)  
CITY/STATE: ,

RECEIVED:  
RETURNED:  
HELD FOR FAA ACTION:

COORDINATES: ' ' ' ' LAT ' ' ' ' LONG

FAA ACTION/FILE:

SITE ELEVATION: FEET

COMPLETED:

MAXIMUM ANTENNA HEIGHT: 1st FEET (AGL)  
2nd FEET (AMSL)

REVIEWED:

ACTION:

- NEW EARTH STATION ANTENNA  
 MODIFICATION OF EXISTING EARTH STATION ANTENNA

TO BE COMPLETED BY ANTENNA SURVEY BRANCH

17.7 NOTIFICATION CRITERIA (FILE NOTICE OF PROPOSED CONSTRUCTION WITH FAA  
ON FORM FAA-7460-1)

- (A) PROPOSED ANTENNA STRUCTURE EXCEEDS 200 FEET IN HEIGHT AGL  
 (B) (1) EXCEEDS 100:1 SLOPE FOR AN AIRPORT WITH A RUNWAY OF MORE  
THAN 3,200 FEET IN LENGTH (EXTENDS 20,000 FEET)  
 (2) EXCEEDS 50:1 SLOPE FOR AN AIRPORT WITH RUNWAYS NO MORE THAN  
3,200 FEET IN LENGTH (EXTENDS 10,000 FEET)  
 (3) EXCEEDS 25:1 SLOPE FOR A HELIPORT. (EXTENDS 5,000 FEET)  
 (C) SITE IS WITHIN AIRPORT BOUNDARY.  
 (D) SITE IS IN INSTRUMENT APPROACH AREA AND APPEARS CRITICAL.

17.14 EXEMPTION FROM NOTICE:  (A) 20 FOOT CRITERIA  (B) SHIELDING

AIRPORT: ELEVATION AND LONGEST RUNWAY:

ANTENNA HEIGHT ABOVE AIRPORT: DISTANCE FROM RUNWAY:

FAA ACTION REQUIRED:  YES OBSTRUCTION CRITERIA EXCEEDED:  YES  
 NO  NO

NO OBSTRUCTION MARKING REQUIRED:  FAA ACTION:  CLEARED  
 DISAPPROVED

MARKING REQUIRED, FORM 715

REMARKS:

FEDERAL COMMUNICATIONS COMMISSION  
INTERNATIONAL BUREAU

ANTENNA DATA REPORT

SEND TO: ANTENNA SURVEY BRANCH  
DATE FILED: 07/08/1997

RETURN TO: SATELLITE ENGINEERING BRANCH  
ATTN: TLB

APPLICANT: AMSC SUBSIDIARY CORPORATION

ANALYSIS RECORD  
-----

FILE NUMBER: 1571-DSE-MP/L -97 CALL SIGN: E900081  
SITE-ID:  
SITE LOCATION ADDR: 30,000 Mobile Earth Stations  
COUNTY: (30,000 units)  
CITY/STATE: ,

RECEIVED:  
RETURNED:  
HELD FOR FAA ACTION:

COORDINATES: ' ' LAT ' ' LONG

FAA ACTION/FILE:

SITE ELEVATION: FEET

COMPLETED:

MAXIMUM ANTENNA HEIGHT: 1st FEET (AGL)  
2nd FEET (AMSL)

REVIEWED:

ACTION:

- NEW EARTH STATION ANTENNA  
 MODIFICATION OF EXISTING EARTH STATION ANTENNA

TO BE COMPLETED BY ANTENNA SURVEY BRANCH

17.7 NOTIFICATION CRITERIA (FILE NOTICE OF PROPOSED CONSTRUCTION WITH FAA  
ON FORM FAA-7460-1)

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 (B) (1) EXCEEDS 100:1 SLOPE FOR AN AIRPORT WITH A RUNWAY OF MORE  
THAN 3,200 FEET IN LENGTH (EXTENDS 20,000 FEET)  
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3,200 FEET IN LENGTH (EXTENDS 10,000 FEET)  
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 (C) SITE IS WITHIN AIRPORT BOUNDARY.  
 (D) SITE IS IN INSTRUMENT APPROACH AREA AND APPEARS CRITICAL.

17.14 EXEMPTION FROM NOTICE:  (A) 20 FOOT CRITERIA  (B) SHIELDING

AIRPORT: ELEVATION AND LONGEST RUNWAY:

ANTENNA HEIGHT ABOVE AIRPORT: DISTANCE FROM RUNWAY:

FAA ACTION REQUIRED:  YES OBSTRUCTION CRITERIA EXCEEDED:  YES  
 NO  NO

NO OBSTRUCTION MARKING REQUIRED:  FAA ACTION:  CLEARED  
 DISAPPROVED

MARKING REQUIRED, FORM 715

REMARKS:



Office of Spectrum  
Management

October 10, 1997

TO: Steve Sharkey  
FROM: Jim Vorhies *JV*  
SUBJECT: STA for "Vistar" terminals

Ref: File Number 1571-DSE-MP/L -97

Dear Steve

We have reviewed AMSC's request for STA for up to 10 half-duplex terminals for the "Vistar" application. Please note that we have yet to reach agreement on the general treatment of half-duplex terminals among NTIA, AMSC, FAA and Coast Guard. We also will need to examine the out-of-band emissions of these terminals to ensure protection of GPS and GLONASS. These issues will have to be resolved prior to any authorization for use of the proposed "Vistar" terminals in the AMSC system.

Taking note of the points, above we can approve the STA request for 10 terminals for testing/validation purposes.





Office of Spectrum  
Management

October 10, 1997

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Office of Spectrum  
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October 10, 1997

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Ref: File Number 1571-DSE-MP/L -97

Dear Steve

We have reviewed AMSC's request for STA for up to 10 half-duplex terminals for the "Vistar" application. Please note that we have yet to reach agreement on the general treatment of half-duplex terminals among NTIA, AMSC, FAA and Coast Guard. We also will need to examine the out-of-band emissions of these terminals to ensure protection of GPS and GLONASS. These issues will have to be resolved prior to any authorization for use of the proposed "Vistar" terminals in the AMSC system.

Taking note of the points, above we can approve the STA request for 10 terminals for testing/validation purposes.



Office of Spectrum  
Management

October 10, 1997

TO: Steve Sharkey  
FROM: Jim Vorhies *JTV*  
SUBJECT: STA for "Vistar" terminals

Ref: File Number 1571-DSE-MP/L -97

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