# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

## RADIO STATION AUTHORIZATION

( page 1 )

CALL SIGN: E900081

FILE NO.: 681-DSE-MP/L-95

NAME: AMSC SUBSIDIARY CORPORATION

MODIFIED CONSTRUCTION PERMIT AND LICENSE

DATE OF GRANT: AUGUST 1, 1995

COMMON CARRIER

EXPIRATION DATE: JANUARY 21, 2002

NATURE OF SERVICE: DOMESTIC LAND MOBILE-SATELLITE SERVICE

CLASS OF STATION: MOBILE 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	EIRP DENSITY (dBW/ 4kHz)	ASSOCIATED ANTENNA (S)	
1. 1530.000- 1559.000 L,F 2. 1530.000- 1559.000 L,F 3. 1530.000- 1559.000 L,F 4. 1530.000- 1559.000 L,F 5. 1626.500- 1660.500 L,F 6. 1626.500- 1660.500 L,F 7. 1626.500- 1660.500 L,F 8. 1626.500- 1660.500 L,F	2 2K40G1D 2 4K80G1D 3 9K60G1D 4 1K20G1D 4 2K40G1D 4 4K80G1D	14.00 17.00 20.00 23.00	17.00 20.00		

#### 2. FREQUENCY COORDINATION LIMITS

		Satellite Arc	Elevation	Azimuth	Max. EIRP
		(Deg. Long.)	(Degrees)	(Degrees)	Density to
	Frequency Limits (MHz)	East West Limit Limit	East West Lim. Lim.	East West Limit Limit	Horizion Associated (dBW/4kHz) Antenna(s)
1.	1530.000- 1559.000	15.0W-183.5W			
	1626.500- 1660.500			_	

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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

1. 1 to be determined to be determined

POWER-WATTS 20.0

5. ANTENNA FACILITIES

SITE/ELEVATION:

METERS AMSL

DIAMETER

UNITS (Meters) FEED MANUFACTURER

MAX. ANT. HT.

UNITS (Meters) FEED MANUFACTURER MODEL NUMBER

1. 1 0.15 OTHR to be determined TO BE DETERMINED

(Meters) AMSL

MAXIMUM GAIN(S): 5.0 dBi at 1 GHz 5.0 dBi at 1 GHz

AGL

1 0.40 OTHR to be determined TO BE DETERMINED MAXIMUM GAIN(S): 14.0 dBi at 1 GHz 14.0 dBi at 1 GHz

AMSL  $\mathtt{AGL}$ 

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

### SPECIAL AND GENERAL PROVISIONS FOR RADIO STATION AUTHORIZATION

The radio station authorization granted on FCC Form 488 for File No. 681-DSE-MP/L -95, CALL SIGN: E900081 is subject to additional terms and conditions specified by code numbers on that form. The text of these special and general provisions is given below:

2932 - This authorization is subject to the terms and conditions set forth in Order and Authorization, 7 FCC Rcd 942 (1992).

### COMMUNICATIONS SATELLITE EARTH STATION STANDARD PROVISIONS

THIS AUTHORIZATION IS SUBJECT TO THE FOLLOWING CONDITIONS:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction, of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station is not ready for operation by the required date of completion of construction unless an application for modification of construction permit for additional time to complete construction is filed by that date, together with a showing that failure to complete construction by the required date was due to factors not under control of the grantee.