



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-00584

Wednesday March 10, 2004

## SATELLITE COMMUNICATIONS SERVICES

### RE: SATELLITE RADIO APPLICATIONS ACCEPTED FOR FILING

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

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SES-LIC-20040225-00312 P E040124 Bluebonnet Communications, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 129 WEST PRIEN LAKE ROAD, CALCASIEU, LAKE CHARLES, LA

30 ° 11 ' 50.00 " N LAT.

93 ° 13 ' 12.00 " W LONG.

ANTENNA ID: 1	2.4 meters	VERTEX/RSI	KPK
14000.0000 - 14500.0000 MHz	3M00G7W	64.00 dBW	DIGITAL AUDIO AND VIDEO
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO AND VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-LIC-20040301-00302 E E040119 HERRING BROADCASTING, INC.

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

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SITE ID: 1  
LOCATION: 4757 Morena Blvd., San Diego, San Diego, CA  
32 ° 49 ' 28.00 " N LAT. 117 ° 13 ' 45.00 " W LONG.

ANTENNA ID: 1	4.8 meters	Vertex	KPC
3700.0000 - 4200.0000 MHz	51K2G7W		Digital Traffic with Various: FEC, Data Rates, Modulation and Types of Information
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Traffic with Various: FEC, Data Rates, Modulation and Types of Information
5925.0000 - 6425.0000 MHz	51K2G7W	56.40 dBW	Digital Traffic with Various: FEC, Data Rates, Modulation and Types of Information
5925.0000 - 6425.0000 MHz	36M0G7W	73.50 dBW	Digital Traffic with Various: FEC, Data Rates, Modulation and Types of Information

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20040303-00311** E E040123 PetroCom License Corporation  
Application for Authority  
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: Green Canyon 664  
LOCATION: Green Canyon 664 Oil Platform in the Gulf of Mexico  
27 ° 19 ' 17.90 " N LAT. 90 ° 35 ' 4.00 " W LONG.

ANTENNA ID: #1	2.4 meters	Seatel	9797
5925.0000 - 6425.0000 MHz	205KG73	50.00 dBW	Digital Voice and Data
3700.0000 - 4200.0000 MHz	205KG7W		Digital Voice and Data

**Points of Communication:**

Green Canyon 664 - OTHER -

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**SES-LIC-20040304-00316** E E040123 INTELSAT LLC  
Application for Authority  
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
 LOCATION: 22401 Juniper Flats Road, Riverside, Nuevo, CA  
 33 ° 47 ' 43.60 " N LAT. 117 ° 5 ' 20.40 " W LONG.

ANTENNA ID:	1	11 meters	Vertex Comm.	11m
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	5925.0000 - 5930.0000 MHz		800KFXD 77.00 dBW	TT&C Carrier
	5960.4000 - 5989.3000 MHz		800KFXD 77.00 dBW	TT&C Carrier
	6049.4000 - 6078.2000 MHz		800KFXD 77.00 dBW	TT&C Carrier
	6108.7000 - 6425.0000 MHz		800KFXD 77.00 dBW	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier
	3700.0000 - 4200.0000 MHz		350KFXD	TT&C Carrier

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-MOD-20040206-00191** E E880594 MISSISSIPPI AUTHORITY FOR EDUCATIONAL TELEVISION

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

"MOD" to update the downlink, change downlink interference objectives, add another emission designator, correct the coordinates, and to provide coordination information for it's existing c-band receive-only registration.

SITE ID: 1  
 LOCATION: 3825 RIDGEWOOD ROAD (WMPN-FM), HINDS, JACKSON, MS  
 32 ° 20 ' 17.00 " N LAT. 90 ° 8 ' 47.00 " W LONG.

ANTENNA ID:	3.8M.	3.8 meters	COMTECH ANTENNA SYSTEMS	3.8 METER PF
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3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER

**Points of Communication:**

1 - ALSAT - (ALSAT)

**SES-MOD-20040213-00227** E E000117 TRIBUNE BROADCAST HOLDINGS, INC.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

"MOD" to re-locate this fixed earth station to its new studio location, and change technical data information on it's existing Ku-band License.

SITE ID: 1

LOCATION: 6910 NETWORK PLACE, MARION, INDIANAPOLIS, IN  
 39 ° 52 ' 48.30 " N LAT. 86 ° 16 ' 40.90 " W LONG.

ANTENNA ID: 1	3.7 meters	ANDREW CORPORATION	ES37MPJK-1
14000.0000 - 14500.0000 MHz	10M0G1F	60.30 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0F3F	76.30 dBW	ANALOG VIDEO WITH AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	10M0G1F		DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	36M0F3F		ANALOG VIDEO WITH AUDIO SUBCARRIERS

**Points of Communication:**

1 - ALSAT - (ALSAT)

**SES-MOD-20040225-00278** E E960474 QUALCOMM Incorporated

Application for Modification

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

Qualcomm Incorporated has filed a modification application to add two new emission designators 2M05G7D to provide Omni-2 forward link data (QPSK) services, and 36M0F1D to provide frequency hopped, direct sequence spread spectrum services. Also, in this modification application requests a correction to the antenna model number from 55-2142-1 to 10-J5226-1, and to correct the polarization from Horizontal and Vertical to Vertical and Right hand Circular as polarizations.

SITE ID: BOATRACS 1

LOCATION: CONUS AK, HI, PR, CANADA

ANTENNA ID:	REMOTE	0.08 meters	QUALCOMM	10-J5226-1
	11700.0000 - 12200.0000 MHz	2M05G7D		OMNI-2 FORWARD LINK DATA (QPSK)
	11700.0000 - 12200.0000 MHz	2M00G1D		OMNITRACS FORWARD LINK DATA (MODE B)
	14200.0000 - 14450.0000 MHz	48M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM
	14200.0000 - 14450.0000 MHz	36M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM
	14200.0000 - 14450.0000 MHz	36M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM
	14200.0000 - 14450.0000 MHz	48M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM

**Points of Communication:**

BOATRACS 1 - ALSAT - (ALSAT)

SES-MOD-20040227-00295 E E980340 DIRECTV ENTERPRISES, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Feeder Link for DBS in Fixed Satellite Service, Fixed Satellite Service

This application requests modification of earth station E980340 in the following manner: (i) to add all DIRECTV satellites at 72.5W, 101W, 110W, and 119W as points of communication; (ii) to remove Tempo 1 and Tempo 2 at 119W as points of communication; (iii) to adjust the antenna coordinates; and (iv) to change the description of the services of the emission designators.

SITE ID: LABC

LOCATION: 12800 CULVER BLVD., LOS ANGELES, LOS ANGELES, CA

33 ° 59 ' 0.00 " N LAT.

118 ° 25 ' 29.00 " W LONG.

ANTENNA ID:	1	11.3 meters	VERTEX RSI	1100KS
	17300.0000 - 17800.0000 MHz	24M0G7W	87.40 dBW	Feeder link for DBS
	12200.0000 - 12700.0000 MHz	24M0G7W		DBC/digital television
ANTENNA ID:	2	11.3 meters	VERTEX RSI	1100KS
	12200.0000 - 12700.0000 MHz	24M0G7W		DBS/digital television
	17300.0000 - 17800.0000 MHz	24M0G7W	87.40 dBW	Feeder link for DBS

**Points of Communication:**

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LABC - DIRECTV - 1R - (101 W.L.)

LABC - DIRECTV - 2 - (101 W.L.)

LABC - DIRECTV - 3 - (101 W.L.)

LABC - DIRECTV 1 - (101.0 W.L.)

LABC - DIRECTV 5 - (@ 72.5 WL)

LABC - DIRECTV 5 - (119 W.L.)

LABC - DIRECTV 7S - (119 W.L.)

LABC - DIRECTV-4S - (101.0 W.L.)

LABC - DIRECTV-6 - (110.0 W.L.)

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**SES-MOD-20040227-00296** E E030117 DIRECTV ENTERPRISES, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Feeder Link for DBS in Fixed Satellite Service, Fixed Satellite Service

This application requests modification of earth station E030117 to add DIRECTV 7S satellite at 119 degrees WL as a point of communication. No other modifications are requested by this application.

SITE ID: ECUF

LOCATION: 260 Shady Elm Rd., Frederick, Winchester, VA

39 ° 7 ' 55.40 " N LAT.

78 ° 12 ' 5.50 " W LONG.

ANTENNA ID: ED01

13.2 meters

VertexRSI

13.2LMA

17300.0000 - 17800.0000 MHz

24M0G7W

77.70 dBW

QPSK digital audio/video

12200.0000 - 12700.0000 MHz

24M0G7W

QPSK digital audio/video and FM  
telemetry

**Points of Communication:**

ECUF - DIRECTV - 1R - (101 W.L.)

ECUF - DIRECTV - 2 - (101 W.L.)

ECUF - DIRECTV - 3 - (101 W.L.)

ECUF - DIRECTV 1 - (101.0 W.L.)

ECUF - DIRECTV 5 - (119 W.L.)

ECUF - DIRECTV 7S - (119 W.L.)

ECUF - DIRECTV-4S - (101.0 W.L.)

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ECUF - DIRECTV-6 - (110.0 W.L.)

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**SES-MOD-20040227-00297** E E030105 DIRECTV ENTERPRISES, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Fixed Satellite Service

This application requests authorization to modify earth station E030105 in the following manner: (i) to add two new emission designators; and (ii) to add DIRECTV 7S at 119 WL as a point of communication.

**SITE ID:** CRBC

**LOCATION:** 5454 Garton Rd., Douglas, Castle Rock, CO

39 ° 16 ' 38.00 " N LAT.

104 ° 48 ' 26.50 " W LONG.

<b>ANTENNA ID:</b> CD07	13.2 meters	VertexRSI	13.2LMA
17300.0000 - 17800.0000 MHz	24M0G7W	77.70 dBW	QPSK digital audio/video and PM command
12200.0000 - 12700.0000 MHz	24M0G7W		QPSK digital audio/video and FM telemetry
12200.0000 - 12700.0000 MHz	800KF2D		PCM/PSK Command Data
12200.0000 - 12700.0000 MHz	NON		Unmodulated Tracking Beacon
17300.0000 - 17800.0000 MHz	NON	77.10 dBW	Unmodulated Tracking Beacon
17300.0000 - 17800.0000 MHz	800KF2D	87.40 dBW	PCM/PSK Command Data

**Points of Communication:**

CRBC - DIRECTSAT - 1R - (101.0 W.L.)

CRBC - DIRECTV - 2 - (101 W.L.)

CRBC - DIRECTV - 3 - (101 W.L.)

CRBC - DIRECTV 1 - (101.0 W.L.)

CRBC - DIRECTV 5 - (119 W.L.)

CRBC - DIRECTV 7S - (119 W.L.)

CRBC - DIRECTV-4S - (101.0 W.L.)

CRBC - DIRECTV-6 - (110.0 W.L.)

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**SES-MOD-20040227-00298** E E930304 DIRECTV ENTERPRISES, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Domestic Fixed Satellite Service, Fixed Satellite Service

This application requests modification to add the following points of communication: (i) DIRECTV5 at 72 degrees WL and DIRECTV7S at 119 degrees WL; (ii) modify satellite arc coverage to match the Comsearch report (70W-140W); and (iii) correct the EIRP and polarization for certain emission designators.

SITE ID: CRBC

LOCATION: 5454 GARTON RD., DOUGLAS, CASTLE ROCK, CO

39 ° 16 ' 37.00 " N LAT.

104 ° 48 ' 29.00 " W LONG.

ANTENNA ID:	CDF09	13.1 meters	VERTEX RSI	13.1 KPKDBS
	17300.0000 - 17800.0000 MHz	82K0F3N	87.30 dBW	FM COMMAND CARRIER, NO DATA
	17300.0000 - 17800.0000 MHz	750KF2D	87.40 dBW	FM COMMAND CARRIER, DIGITAL DATA
	17300.0000 - 17800.0000 MHz	3M20F3X	87.40 dBW	FM DIGITAL DATA AND VIDEO
	17300.0000 - 17800.0000 MHz	25M0M1F	87.40 dBW	QPSK DIGITAL AUDIO/VIDEO
	12200.0000 - 12700.0000 MHz	82K0F3N		FM COMMAND CARRIER, NO DATA
	12200.0000 - 12700.0000 MHz	750KF2D		FM COMMAND CARRIER, DIGITAL DATA
	12200.0000 - 12700.0000 MHz	3M20F3X		FM DIGITAL DATA AND VIDEO
	12200.0000 - 12700.0000 MHz	25M0M1F		QPSK DIGITAL AUDIO/VIDEO

**Points of Communication:**

CRBC - DIRECTV - 1R - (101 W.L.)

CRBC - DIRECTV - 2 - (101 W.L.)

CRBC - DIRECTV - 3 - (101 W.L.)

CRBC - DIRECTV 1 - (101.0 W.L.)

CRBC - DIRECTV 3 - (82 W.L.)

CRBC - DIRECTV 5 - (@ 72.5 WL)

CRBC - DIRECTV 5 - (119 W.L.)

CRBC - DIRECTV 6 - (110.0 W.L.)

CRBC - DIRECTV 7S - (119 W.L.)



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CRBC - DIRECTV-4S - (101.0 W.L.)

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**SES-MOD-20040227-00299** E E930191 DIRECTV ENTERPRISES, LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Feeder Link for DBS in Fixed Satellite Service, Fixed Satellite Service

The purpose of this request for modification is to reflect the operation of uplink services to the DIRECTV5 satellite at 72.5deg W.L. One emission designator is being added and corrections are being made to the locations of satellites listed in points of communications. Additionally, the application requests corrections to the recorded earth station latitude value.

**SITE ID:** CRBC

**LOCATION:** 5454 E. GARTON ROAD, DOUGLAS, CASTLE ROCK, CO

39 ° 16 ' 38.00 " N LAT.

104 ° 48 ' 18.50 " W LONG.

<b>ANTENNA ID:</b> CD1 & CD2	13.2 meters	VERTEX RSI	10600000
17300.0000 - 17800.0000 MHz	24M0G7W	87.00 dBW	DBS feeder link
12200.0000 - 12700.0000 MHz	24M0G7W		QPSK DIGITAL TELEVISION
12200.0000 - 12700.0000 MHz	800KF2D		PCM/PSK COMMAND DATA
17300.0000 - 17800.0000 MHz	800KF2D	87.40 dBW	PCM/PSK COMMAND DATA

**Points of Communication:**

CRBC - DIRECTV - 1R - (101 W.L.)

CRBC - DIRECTV - 2 - (101 W.L.)

CRBC - DIRECTV - 3 - (101 W.L.)

CRBC - DIRECTV 1 - (101.0 W.L.)

CRBC - DIRECTV 5 - (@ 72.5 WL)

CRBC - DIRECTV 5 - (119 W.L.)

CRBC - DIRECTV 6 - (110.0 W.L.)

CRBC - DIRECTV 7S - (119 W.L.)

CRBC - DIRECTV-4S - (101.0 W.L.)

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**SES-MOD-20040302-00314** E E4730 ASCENT MEDIA NETWORK SERVICES, INC.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

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"MOD" to add antenna.

SITE ID: 1

LOCATION: 250 HARBOR DRIVE, FAIRFIELD, STAMFORD, CT

41 ° 4 ' 32.30 " N LAT.

73 ° 31 ' 13.40 " W LONG.

ANTENNA ID: 1                      11 meters              SCIENTIFIC ATLANTA              8007-2

5925.0000 - 6425.0000 MHz              36M0F3F              88.90 dBW

5925.0000 - 6425.0000 MHz              36M0F3F              82.06 dBW

5925.0000 - 6425.0000 MHz              36M0F3F              78.32 dBW

5925.0000 - 6425.0000 MHz              24M0G7W              78.32 dBW

3700.0000 - 4200.0000 MHz              36M0F3F

3700.0000 - 4200.0000 MHz              36M0F3F

3700.0000 - 4200.0000 MHz              36M0F3F

3700.0000 - 4200.0000 MHz              24M0G7W

ANTENNA ID: 2                      10 meters              SCIENTIFIC ATLANTA              8002-2

5925.0000 - 6425.0000 MHz              36M0F3F              88.90 dBW

5925.0000 - 6425.0000 MHz              36M0F3F              82.06 dBW

5925.0000 - 6425.0000 MHz              36M0F3F              78.32 dBW

5925.0000 - 6425.0000 MHz              24M0G7W              78.32 dBW

3700.0000 - 4200.0000 MHz              36M0F3F

3700.0000 - 4200.0000 MHz              36M0F3F

3700.0000 - 4200.0000 MHz              36M0F3F

3700.0000 - 4200.0000 MHz              24M0G7W

ANTENNA ID: 3                      11 meters              SCIENTIFIC ATLANTA              8016

5925.0000 - 6425.0000 MHz              36M0F3F              88.90 dBW

5925.0000 - 6425.0000 MHz              36M0F3F              82.06 dBW

5925.0000 - 6425.0000 MHz              36M0F3F              78.32 dBW

5925.0000 - 6425.0000 MHz	24M0G7W	78.32 dBW
3700.0000 - 4200.0000 MHz	36M0F3F	
3700.0000 - 4200.0000 MHz	36M0F3F	
3700.0000 - 4200.0000 MHz	36M0F3F	
3700.0000 - 4200.0000 MHz	24M0G7W	

ANTENNA ID: 4                      9 meters                      VERTEX COMMUNICATIONS                      KPC

5925.0000 - 6425.0000 MHz	36M0G1F	80.50 dBW	COMPRESSED DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	2M00G1F	77.80 dBW	COMPRESSED DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	36M0G7W	80.50 dBW	DIGITAL, VARIOUS FEC, DATA RATES, MODULATION AND INFO.
5925.0000 - 6425.0000 MHz	51K2G7W	61.90 dBW	DIGITAL, VARIOUS FEC, DATA RATES, MODULATION AND INFO.
5925.0000 - 6425.0000 MHz	36M0F3F	80.00 dBW	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
3700.0000 - 4200.0000 MHz	36M0G1F		COMPRESSED DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	2M00G1F		COMPRESSED DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL, VARIOUS FEC, DATA RATES, MODULATION AND INFO.
3700.0000 - 4200.0000 MHz	51K2G7W		DIGITAL, VARIOUS FEC, DATA RATES, MODULATION AND INFO.
3700.0000 - 4200.0000 MHz	36M0F3F		STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-MOD-20040302-00315 E E940460 HUGHES NETWORK SYSTEMS, INC.

Application for Modification

**Class of Station:** VSAT Network

**Nature of Service:** Domestic Fixed Satellite Service, International Fixed Satellite Service

This application requests the following modifications of earth station authorization E940460 (SES-MOD-20030603-00849): (i) the addition of two 7.6 meter hub transmit/receive antennas at the North Las Vegas location to provide additional DiRECWAY services; (ii) the addition of 100,000 fixed and 20,000 temporary-fixed 74cm transmit/receive remote terminals located over CONUS, AK, HI, VI and PR areas; (iii) the addition of 30,000 fixed and 6,000 temporary-fixed 98cm transmit/receive remote terminals located over CONUS, AK, HI, VI and PR areas; (iv) the removal of the hub antennas at the Los Angeles location (HUB-LA 6.1M and HUB-LA 4.6M); and (v) correction of the address of the 6.1 meter hub antennas at the North Las Vegas location (HUB 6.1M), as per the address provided for the new 7.6 meter hub antennas.

SITE ID: HUB 6.1M

LOCATION: ONE AEROJET WAY, CLARK, NORTH LAS VEGAS, NV

36 ° 14 ' 21.00 " N LAT.

115 ° 7 ' 6.00 " W LONG.

ANTENNA ID:	TR 6.1	6.1 meters	VERTEX	6.1 KPK
	14000.0000 - 14500.0000 MHz	6M00G7D	75.10 dBW	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
	14000.0000 - 14500.0000 MHz	12M0G7D	78.10 dBW	QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
	14000.0000 - 14500.0000 MHz	400KG7D	63.30 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
	14000.0000 - 14500.0000 MHz	1M60G7D	69.30 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
	11700.0000 - 12200.0000 MHz	200KG7D		OQPSK, DATA, 128 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz	400KG7D		OQPSK, DATA, 256 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER

SITE ID: TR 1.8M

LOCATION: CONUS, AK, HI, VI, PR TR 1.8 meter

ANTENNA ID:	TR 1.8	1.8 meters	PRODELIN	1184
	14000.0000 - 14500.0000 MHz	200KG7D	49.70 dBW	OQPSK, DATA, 128 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	400KG7D	49.70 dBW	OQPSK, DATA, 256 KSPS, RETURN CARRIER

14000.0000 - 14500.0000 MHz	200KG7D	49.70 dBW	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	49.70 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	49.70 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER

SITE ID: TR 2.4M

LOCATION: CONUS, AK, HI, VI, PR TR 2.4 meter

ANTENNA ID: TR 2.4      2.4 meters      PRODELIN      1244

14000.0000 - 14500.0000 MHz	200KG7D	52.20 dBW	OQPSK, DATA, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	52.20 dBW	OQPSK, DATA, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	52.20 dBW	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	52.20 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	52.20 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER

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11700.0000 - 12200.0000 MHz      1M60G7D      BPSK, DATA, 1024 KSPS,  
OUTROUTE CARRIER

SITE ID:      TR 1.0M

LOCATION:      CONUS, AK, HI, VI, PR TR 1.0 meter

0 ° 0 ' 0.00 " N LAT.

0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:    TR 1.0      1 meters      HUGHES NETWORK SYSTEMS      SCE 3000172

14000.0000 - 14500.0000 MHz      200KG7D      44.00 dBW      OQPSK, DATA, 128 KSPS, RETURN  
CARRIER

14000.0000 - 14500.0000 MHz      400KG7D      44.00 dBW      OQPSK, DATA, 256 KSPS, RETURN  
CARRIER

14000.0000 - 14500.0000 MHz      200KG7D      44.00 dBW      BPSK OR MSK, DATA, 128 KSPS,  
INROUTE CARRIER

14000.0000 - 14500.0000 MHz      400KG7D      44.00 dBW      BPSK OR MSK, DATA, 256 KSPS,  
INROUTE CARRIER

14000.0000 - 14500.0000 MHz      800KG7D      44.00 dBW      BPSK OR MSK, DATA, 512 KSPS,  
INROUTE CARRIER

11700.0000 - 12200.0000 MHz      6M00G7D      QPSK, DATA, 5 MSPS,  
MULTIMEDIA BROADCAST  
CARRIER

11700.0000 - 12200.0000 MHz      12M0G7D      QPSK, DATA, 10 MSPS,  
MULTIMEDIA BROADCAST  
CARRIER

11700.0000 - 12200.0000 MHz      400KG7D      BPSK OR MSK, DATA, 256 KSPS,  
INROUTE CARRIER

11700.0000 - 12200.0000 MHz      1M60G7D      BPSK, DATA, 1024 KSPS,  
OUTROUTE

SITE ID:      TR 1.2M

LOCATION:      CONUS, AK, HI, PR TR 1.2 meter

0 ° 0 ' 0.00 " N LAT.

0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:    TR 1.2      1.2 meters      PRODELIN      1134

14000.0000 - 14500.0000 MHz      200KG7D      46.10 dBW      OQPSK, DATA, 128 KSPS, RETURN  
CARRIER

14000.0000 - 14500.0000 MHz      400KG7D      46.10 dBW      OQPSK, DATA, 256 KSPS, RETURN  
CARRIER

14000.0000 - 14500.0000 MHz      200KG7D      46.10 dBW      BPSK OR MSK, DATA, 128 KSPS,  
INROUTE CARRIER

14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	46.10 dBW	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER

SITE ID: HUB 7.6M

LOCATION: ONE AEROJET WAY, CLARK, NORTH LAS VEGAS, NV  
36 ° 14 ' 21.00 " N LAT.

115 ° 7 ' 6.00 " W LONG.

ANTENNA ID: TR 7.6      7.6 meters      ANDREW CORP.      ES76K-1

11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	65.30 dBW	BPSK OR MSK, DATA, 256 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	71.30 dBW	BPSK , DATA, 1024 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	83.10 dBW	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER

14000.0000 - 14500.0000 MHz	36M0G7D	84.80 dBW	QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
SITE ID: TR .74CM			
LOCATION: CONUS, AK, HI, VI, PR (TR .74CM 100,000 TERMINALS)			
ANTENNA ID: TR .74	0.74 meters	PRODELIN	HANT-91TR
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	39.00 dBW	OQPSK, DATA, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	39.00 dBW	OQPSK, DATA, 128 KSPS, RETURN CARRIER
SITE ID: TF TR 74CM			
LOCATION: CONUS, AK, HI, VI, PR (TF TR 74CM 20,000 TERMINALS)			
ANTENNA ID: TF TR .74	0.74 meters	PRODELIN	HANT-91TR
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	39.00 dBW	OQPSK, DATA, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	39.00 dBW	OQPSK, DATA, 128 KSPS, RETURN CARRIER
SITE ID: TF TR .98CM			
LOCATION: CONUS, AK, HI, VI, PR (TF TR .98CM 6,000 TERMINALS)			
ANTENNA ID: TF TR .98	0.98 meters	PRODELIN	9008668
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER



11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	44.30 dBW	OQPSK, DATA, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	44.30 dBW	OQPSK, DATA, 128 KSPS, RETURN CARRIER

SITE ID: TR .98CM  
LOCATION: CONUS, AK, HI, VI, PR (TR .98CM 30,000 TERMINALS)

ANTENNA ID: TR .98      0.98 meters      PROLELIN      9008668

11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	44.30 dBW	OQPSK, DATA, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	44.30 dBW	OQPSK, DATA, 128 KSPS, RETURN CARRIER

**Points of Communication:**

- HUB 6.1M - ALSAT - (ALSAT)
- HUB 7.6M - ALSAT - (ALSAT)
- TF TR .98CM - AMC-3 - (87 W.L.)
- TF TR 74CM - AMC-3 - (87 W.L.)
- TR .74CM - AMC-3 - (87 W.L.)
- TR .98CM - AMC-3 - (87 W.L.)
- TR 1.0M - ALSAT - (ALSAT)
- TR 1.8M - ALSAT - (ALSAT)
- TR 2.4M - ALSAT - (ALSAT)
- TR 2.4M - ALSAT - (ALSAT)

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**SES-REG-20040225-00269** E E040104 MAINE PUBLIC BROADCASTING CORPORATION  
Registration  
**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 309 MARGINAL WAY (WMEA-FM), CUMBERLAND, PORTLAND, ME  
43 ° 40 ' 2.00 " N LAT. 70 ° 15 ' 28.00 " W LONG.

ANTENNA ID: 1	3.7 meters	PRODELIN CORPORATION	136-750
3700.0000 - 4200.0000 MHz	10M3G7W		DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D		DIGITAL AUDIO CARRIER

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-REG-20040227-00293** E E040115 NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION  
Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1800 NORTH 33RD STREET (KUCV-FM), LANCASTER, LINCOLN, NE  
40 ° 49 ' 53.10 " N LAT. 96 ° 40 ' 17.60 " W LONG.

ANTENNA ID: 3.8M.	3.8 meters	COMTECH ANTENNA SYSTEMS	3.8 METER PF
3700.0000 - 4200.0000 MHz	10M3G7W		DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D		DIGITAL BROADCAST AUDIO CARRIER

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-REG-20040227-00294** E E040116 BOARD OF REGENTS OF THE UNIVERSITY OF NEW MEXICO  
Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: ATOP BLDG 156/ ONATE HALL (KUNM-FM), BERNALILLO, ALBUQUERQUE, NM  
35 ° 5 ' 4.00 " N LAT. 106 ° 36 ' 49.30 " W LONG.

ANTENNA ID: 3.7M.	3.7 meters	PRODELIN CORPORATION	136-750
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3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL BROADCAST AUDIO CARRIER

**Points of Communication:**

1 - ALSAT - (ALSAT)

**SES-REG-20040302-00307** E E040121 HAWAII PUBLIC RADIO

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
 LOCATION: 750 KAHEKA STREET (KHPR), HONOLULU, HI  
 21 ° 17 ' 37.80 " N LAT.

ANTENNA ID: 1	4.5 meters	PRODELIN CORPORATION	4.5M
3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER	
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL AUDIO CARRIER	

**Points of Communication:**

1 - ALSAT - (ALSAT)

**SES-REG-20040303-00309** E E040122 NORTHERN ILLINOIS UNIVERSITY

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
 LOCATION: ROCKFORD DISCOVERY CENTER (WNIU-FM), WINNEBAGO, ROCKFORD, IL  
 42 ° 16 ' 35.80 " N LAT. 89 ° 5 ' 16.30 " W LONG.

ANTENNA ID: 1	3.7 meters	PRODELIN CORPORATION	136-750
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL AUDIO CARRIER	
3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER	

**Points of Communication:**

1 - ALSAT - (ALSAT)

For more information concerning this Notice, contact the Satellite and Radiocommunication Division at 418-0719; TTY 202-418-2555.