



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
445 12th STREET S.W.  
WASHINGTON D.C. 20554

News media information 202-418-0500  
Fax-On-Demand 202-418-2830; Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)  
TTY (202) 418-2555

Report No. SES-00597

Wednesday April 21, 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.

SES-AMD-20031223-01860 E E030205 ARINC INCORPORATED

Amendment

Class of Station: Mobile Earth Station

Nature of Service: Domestic Mobile-Satellite Service, Mobile Satellite Service

ARINC Incorporated seeks to amend its pending application (SES-LIC20030910-01261), to correct typographical errors in the Technical Description that accompanied the application at Exhibit 3. The revised Technical Description is attached with all of the changes in Section 5 of the amended SKYLINK Technical Description and are individually marked as revised pages. The specific pages are 43, 44, 47 and 48 and are formatted to be page-for-page replacements to the original Exhibit.

SITE ID: 1

LOCATION: AIRBORNE ANNAPOLIS, ANNE ARUNDEL, MD, CONUS

ANTENNA ID:	AIRBORNE	0.2921 meters	VIASAT	1000009
	14000.0000 - 14500.0000 MHz	14M4G7D	27.76 dBW	OQPSK, DIRECT SEQUENCE SPREAD SPECTRUM WITH GMSK SHAPING, 32 KBPS DATA
	14000.0000 - 14500.0000 MHz	28M8G7D	33.79 dBW	OQPSK, DIRECT SEQUENCE SPREAD SPECTRUM WITH GMSK SHAPING, 64-128 KBPS DATA
	11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, Direct DIRECT SEQUENCE SPREAD SPECTRUM WITH SRRC SHAPING, 512 - 3510 KBPS DATA

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**Points of Communication:**

1 - AMSC-1 - (101.0 W.L.)

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**SES-AMD-20040416-00562** E E040134 CABLE NEWS NETWORK LP, LLLP

Amendment

**Class of Station:** Fixed Earth Stations

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

"AMD" to SES-LIC-20040309-00346 to add antenna and to correct coordination information.

SITE ID: 1

LOCATION: 7200 Campbellton Road, Fulton, Atlanta, GA

33 ° 41 ' 25.00 " N LAT.

84 ° 37 ' 23.00 " W LONG.

ANTENNA ID: 1	9.1 meters	ViaSat	8009A
5925.0000 - 6425.0000 MHz	36M0G7F	83.00 dBW	QPSK Digital Video
5925.0000 - 6425.0000 MHz	36M0F3F	83.80 dBW	PM Analog Video
3700.0000 - 4200.0000 MHz	36M0G7F		QPSK Digital Video
3700.0000 - 4200.0000 MHz	36M0F3F		PM Analog Video
ANTENNA ID: 2	9.1 meters	VIASAT	8009A
5925.0000 - 6425.0000 MHz	36M0G7F	83.00 dBW	QPSK DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	36M0F3F	83.80 dBW	PM ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		QPSK DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	36M0F3F		PM ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-AMD-20040416-00563** E E040135 CABLE NEWS NETWORK LP, LLLP

Amendment

**Class of Station:** Fixed Earth Stations

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

This Amendment Suppercedes and is associated with License File Number SES-LIC-20040309-00347 Earth Station to correct license filed Technical Information on FCC Form 312 and Frequency Coordination Data.

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SITE ID: 1  
LOCATION: 7200 CAMPBELLTON ROAD (ANTENNA #16), FULTON, ATLANTA, GA  
33 ° 41 ' 25.00 " N LAT. 84 ° 37 ' 22.00 " W LONG.

ANTENNA ID:	ANT. #16	9.1 meters	SCIENTIFIC-ATLANTA	8009A
	5925.0000 - 6425.0000 MHz	36M0F3F	83.80 dBW	PM ANALOG VIDEO
	5925.0000 - 6425.0000 MHz	36M0G7F	80.80 dBW	QPSK DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz	36M0F3F		PM ANALOG VIDEO
	3700.0000 - 4200.0000 MHz	36M0G7F		QPSK DIGITAL VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20011130-02259** E E010332 Maritime Telecommunications Network, Inc.  
Application for Authority  
**Class of Station:** VSAT Network

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

Time for response to 3/31/04 request for information extended to 4/22/04

SITE ID: VSAT Remote  
LOCATION: 10 temporary-fixed 2.4M antennas aboard vessels on U.S.-flagged ships, US Water

ANTENNA ID:	Offsat	2.4 meters	SeaTel, Inc.	9797
	14000.0000 - 14500.0000 MHz	80K0G7W	34.98 dBW	QPFK, IBS
	14000.0000 - 14500.0000 MHz	2M00G7W	58.97 dBW	QPFK, IBS
	11700.0000 - 12200.0000 MHz	80K0G7W	0.00 dBW	QPFK, IBS
	11700.0000 - 12200.0000 MHz	2M00G7W	0.00 dBW	QPFK, IBS

**Points of Communication:**

VSAT Remote - ALSAT - (ALSAT)

VSAT Remote - New Skies 513 - (183 E.L.)

VSAT Remote - NSS-5 - (183 E.L.)

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**SES-LIC-20040218-00556** P E040181 BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS ( d/b/a THE UNIVERSITY OF ARKANSAS AT FAYETTEVILLE )  
Application for Authority  
**Class of Station:** VSAT Fixed Hub Station

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

SITE ID: HUB

LOCATION: 700 RESEARCH CENTER BLVD, WASHINGTON, FAYETTEVILLE, AR  
38 ° 2 ' 32.00 " N LAT. 94 ° 10 ' 10.00 " W LONG.

ANTENNA ID: 4.6M	4.6 meters	ANDREW CORPORATION	ESA 4.6
14000.0000 - 14500.0000 MHz	500KG7D	56.60 dBW	QPSK, R1/2+R188/204 DVB-S CODED 384 KBPS
14000.0000 - 14500.0000 MHz	1M00G7D	59.60 dBW	QPSK, R1/2+R188/204 DVB-S CODED 768 KBPS
14000.0000 - 14500.0000 MHz	35M1G7W	74.40 dBW	QPSK, R1/2+R188/204 DVB-S CODED 27 MBPS
11700.0000 - 12200.0000 MHz	1M00G7D		QPSK, R1/2+R188/204 DVB-S CODED 768 KBPS
11700.0000 - 12200.0000 MHz	1M00G7D		QPSK, R1/2+R188/204 DVB-S CODED 384 KBPS

SITE ID: REMOTE 1

LOCATION: 700 RESEARCH CENTER BLVD., WASHINGTON, FAYETTEVILLE, AR  
36 ° 2 ' 32.00 " N LAT. 94 ° 10 ' 10.00 " W LONG.

ANTENNA ID: 1.8M	1.8 meters	CHANNEL MASTER	TYPE 183
11700.0000 - 12200.0000 MHz	500KG7D		QPSK, R1/2+R188/204 DVB-S CODED 384 KBPS
11700.0000 - 12200.0000 MHz	1M00G7D		QPSK, R1/2+R188/204 DVB-S CODED 768 KBPS
11700.0000 - 12200.0000 MHz	35M1G7W		QPSK, R1/2+R188/204 DVB-S CODED 27 MBPS
14000.0000 - 14500.0000 MHz	500KG7D	46.30 dBW	QPSK, R1/2+R188/204 DVB-S CODED 384 KBPS

SITE ID: REMOTE 2

LOCATION: 700 RESEARCH CENTER BLVD., WASHINGTON, FAYETTEVILLE, AR  
36 ° 2 ' 32.00 " N LAT. 94 ° 10 ' 10.00 " W LONG.

ANTENNA ID: 2.4M	2.4 meters	CHANNEL MASTER	TYPE 243
14000.0000 - 14500.0000 MHz	1M00G7D	48.80 dBW	QPSK, R1/2+R188/204 DVB-S CODED 768 KBPS

14000.0000 - 14500.0000 MHz	500KG7D	46.40 dBW	QPSK, R1/2+R188/204 DVB-S CODED 384 KBPS
11700.0000 - 12200.0000 MHz	500KG7D		QPSK, R1/2+R188/204 DVB-S CODED 384 KBPS
11700.0000 - 12200.0000 MHz	1M00G7D		QPSK, R1/2+R188/204 DVB-S CODED 768 KBPS
11700.0000 - 12200.0000 MHz	35M1G7W		QPSK, R1/2+R188/204 DVB-S CODED 27 MBPS

**Points of Communication:**

HUB - ALSAT - (ALSAT)

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

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**SES-LIC-20040309-00346** E E040134 CABLE NEWS NETWORK LP, LLLP

Application for Authority

**Class of Station:** Fixed Earth Stations

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

Application is returning to public notice for an additional 30 days due to amendment SES-AMD-20040416-00562 to add antenna and correct coordination information.

SITE ID: 1

LOCATION: 7200 Campbellton Road, Fulton, Atlanta, GA

33 ° 41 ' 25.00 " N LAT.

84 ° 37 ' 23.00 " W LONG.

ANTENNA ID: 1	9.1 meters	ViaSat	8009A
5925.0000 - 6425.0000 MHz	36M0F3F	83.80 dBW	PM Analog Video
3700.0000 - 4200.0000 MHz	36M0F3F		PM Analog Video
5925.0000 - 6425.0000 MHz	36M0G7F	83.00 dBW	QPSK Digital Video
3700.0000 - 4200.0000 MHz	36M0G7F		QPSK Digital Video

ANTENNA ID: 2	9.1 meters	VIASAT	8009A
5925.0000 - 6425.0000 MHz	36M0G7F	83.00 dBW	QPSK DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	36M0F3F	83.80 dBW	PM ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		QPSK DIGITAL VIDEO

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3700.0000 - 4200.0000 MHz

36M0F3F

PM ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20040309-00347** E E040135 CABLE NEWS NETWORK LP, LLLP

Application for Authority

**Class of Station:** Fixed Earth Stations

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

This Earth Station License is associated with Amendment File Number SES-AMD-20040416-00563.

SITE ID: 1

LOCATION: 7200 CAMPBELLTON ROAD (ANTENNA #16), FULTON, ATLANTA, GA

33 ° 41 ' 25.00 " N LAT.

84 ° 37 ' 22.00 " W LONG.

ANTENNA ID: ANT. #16

9.1 meters

SCIENTIFIC-ATLANTA

8009A

5925.0000 - 6425.0000 MHz

36M0G7F

80.80 dBW

QPSK DIGITAL VIDEO

3700.0000 - 4200.0000 MHz

36M0F3F

PM ANALOG VIDEO

5925.0000 - 6425.0000 MHz

36M0F3F

83.80 dBW

PM ANALOG VIDEO

3700.0000 - 4200.0000 MHz

36M0G7F

QPSK DIGITAL VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20040407-00516** E E040170 AT&T CORP

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

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

SITE ID: 1

LOCATION: USA, VARIOUS

ANTENNA ID: 1

2.4 meters

GLOBAL SATCOM  
TECHNOLOGY, INC.

GST2400-LBV2

11700.0000 - 12200.0000 MHz

1M45G9W

VOICE, DATA, QPSK, FEC 3/4, FEC  
1/2

14000.0000 - 14500.0000 MHz

1M45G9W

65.90 dBW

VOICE, DATA, QPSK, FEC 3/4, FEC  
1/2

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**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20040414-00552** E E040178 Illinois Bible Institute, Inc.

Application for Authority

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 2108 West Springfield Avenue, Champaign, Champaign, IL

40 ° 6 ' 48.90 " N LAT.

88 ° 17 ' 3.30 " W LONG.

ANTENNA ID: 1	2.4 meters	Channel Master	243
11700.0000 - 12200.0000 MHz	230KG7D		Digital Data, QPSK, 1/2 FEC, 192 kbps
14000.0000 - 14500.0000 MHz	230KG7D	52.20 dBW	Digital Data, QPSK, 1/2 FEC, 192 kbps

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20040415-00558** E E040182 L3 Communications GNS-TSS

Application for Authority

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 720 North Drive, Brevard, Melbourne, FL

28 ° 6 ' 54.00 " N LAT.

80 ° 41 ' 26.00 " W LONG.

ANTENNA ID: 1	4.57 meters	Vertex Corporation	4.57KPK
11700.0000 - 12200.0000 MHz	36M0F8F		Analog Video
11700.0000 - 12200.0000 MHz	1M00G7F -		Digital Video
11700.0000 - 12200.0000 MHz	36M0G7F		Digital Video
11700.0000 - 12200.0000 MHz	6K58G7W -		Digital Voice and Data
11700.0000 - 12200.0000 MHz	9M83G7W		Digital Voice and Data
14000.0000 - 14500.0000 MHz	36M0F8F	81.50 dBW	Analog Video

14000.0000 - 14500.0000 MHz	1M00G7F -	64.50 dBW	Digital Video
14000.0000 - 14500.0000 MHz	36M0G7F	80.00 dBW	Digital Video
14000.0000 - 14500.0000 MHz	6K58G7W -	42.70 dBW	Digital Voice and Data
14000.0000 - 14500.0000 MHz	9M83G7W	74.40 dBW	Digital Voice and Data

ANTENNA ID: 2                      2.4 meters              Prodelin Corporation                      1251

11700.0000 - 12200.0000 MHz	36M0F8F		Analog Video
11700.0000 - 12200.0000 MHz	1M00G7F -		Digital Video
11700.0000 - 12200.0000 MHz	36M0G7F		Digital Video
11700.0000 - 12200.0000 MHz	6K58G7W -		Digital Voice and Data
11700.0000 - 12200.0000 MHz	9M83G7W		Digital Voice and Data
14000.0000 - 14500.0000 MHz	36M0F8F	68.20 dBW	Analog Video
14000.0000 - 14500.0000 MHz	1M00G7F -	59.20 dBW	Digital Video
14000.0000 - 14500.0000 MHz	36M0G7F	68.20 dBW	Digital Video
14000.0000 - 14500.0000 MHz	6K58G7W -	37.40 dBW	Digital Voice and Data
14000.0000 - 14500.0000 MHz	9M83G7W	68.20 dBW	Digital Voice and Data

ANTENNA ID: 3                      1.8 meters              Prodelin Corporation                      1184

11700.0000 - 12200.0000 MHz	36M0F8F		Analog Video
11700.0000 - 12200.0000 MHz	1M00G7F -		Digital Video
11700.0000 - 12200.0000 MHz	36M0G7F		Digital Video
11700.0000 - 12200.0000 MHz	6K58G7W -		Digital Voice and Data
11700.0000 - 12200.0000 MHz	9M83G7W		Digital Voice and Data
14000.0000 - 14500.0000 MHz	36M0F8F	65.50 dBW	Analog Video
14000.0000 - 14500.0000 MHz	1M00G7F -	56.50 dBW	Digital Video
14000.0000 - 14500.0000 MHz	36M0G7F	65.50 dBW	Digital Video
14000.0000 - 14500.0000 MHz	6K58G7W -	34.70 dBW	Digital Voice and Data



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14000.0000 - 14500.0000 MHz	9M83G7W	65.50 dBW	Digital Voice and Data
ANTENNA ID: 4	4.5 meters	Vertex Communications	4.5M
3700.0000 - 4200.0000 MHz	36M0F8F		Analog Video
3700.0000 - 4200.0000 MHz	1M00G7F -		Digital Video
3700.0000 - 4200.0000 MHz	36M0G7F		Digital Video
3700.0000 - 4200.0000 MHz	6M58G7W -		Digital Voice and Data
3700.0000 - 4200.0000 MHz	9M83G7W		Digital Voice and Data
5990.0000 - 6211.6000 MHz	36M0F8F	73.70 dBW	Analog Video
6242.1000 - 6425.0000 MHz	36M0F8F	73.70 dBW	Analog Video
5925.0000 - 5930.0000 MHz	1M00G7F -	68.50 dBW	Digital Video
5925.0000 - 5930.0000 MHz	4M90G7F	73.70 dBW	Digital Video
5990.0000 - 6211.6000 MHz	1M00G7F -	68.50 dBW	Digital Video
5990.0000 - 6211.6000 MHz	36M0G7F	73.70 dBW	Digital Video
6242.1000 - 6425.0000 MHz	1M00G7F -	68.50 dBW	Digital Video
6242.1000 - 6425.0000 MHz	36M0G7F	73.70 dBW	Digital Video
5925.0000 - 5930.0000 MHz	6K58G7W -	46.70 dBW	Digital Voice and Data
5925.0000 - 5930.0000 MHz	4M90G7W	73.30 dBW	Digital Voice and Data
5990.0000 - 6211.6000 MHz	6K58G7W -	46.70 dBW	Digital Voice and Data
5990.0000 - 6211.6000 MHz	9M83G7W	73.70 dBW	Digital Voice and Data
6242.1000 - 6425.0000 MHz	6K58G7W -	46.70 dBW	Digital Voice and Data
6242.1000 - 6425.0000 MHz	9M83G7W	73.70 dBW	Digital Voice and Data

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20040416-00564** E E040183 KMEX LICENSE PARTNERSHIP, G.P.

Application for Authority

**Class of Station:** Temporary Fixed Earth Station

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

SITE ID: 1

LOCATION: 5999 CENTER DRIVE LOS ANGELES, CA 90045, VARIOUS

ANTENNA ID: R6	1.2 meters	AVL TECHNOLOGIES	1200 1.2M. USA DSNG
14000.0000 - 14500.0000 MHz	36M0G7W	64.50 dBW	ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W.
11700.0000 - 12200.0000 MHz	36M0G7W		ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W.

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-MOD-20040310-00351** E E010151 WB HOLDINGS 1 LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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

WB Holdings 1 LLC requests additional time to complete and bring into regular operation the satellite earth stations for call signs E010151, E010153, and E010155. Construction has not been completed and regular operation of these earth stations has not begun due largely to unforeseen delays in the launch of ANIK F2, the satellite owned by Telesat Canada with which they will communicate. Despite these obstacles, WB Holdings has made substantial process on all three sites, which will be completed by the time ANIK F2 is launched this summer.

SITE ID: GES-2

LOCATION: 460 PROGRESS CIRCLE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 51.60 " N LAT.

104 ° 44 ' 17.90 " W LONG.

ANTENNA ID: GES-2L-A	5.6 meters	ANDREW CORPORATION, INC.	ES-56-KA-1
29500.0000 - 30000.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET
29500.0000 - 30000.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET
29250.0000 - 29500.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET
29250.0000 - 29500.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET
28350.0000 - 28600.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET
28350.0000 - 28600.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET

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19700.0000 - 20200.0000 MHz	200KG7W		PSK, DATA, INTERNET
19700.0000 - 20200.0000 MHz	1M60G7W		PSK, DATA, INTERNET
19700.0000 - 20200.0000 MHz	200KG7W		QAM, DATA, INTERNET
19700.0000 - 20200.0000 MHz	1M60G7W		QAM, DATA, INTERNET
18300.0000 - 18800.0000 MHz	200KG7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	200KG7W		QAM, DATA, INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		QAM, DATA, INTERNET
ANTENNA ID: GES-2-A	8.1 meters	ANDREW CORPORATION, INC.	ES-81-KA-1
29250.0000 - 29500.0000 MHz	22M5G7W	77.20 dBW	PSK, DATA, INTERNET
28350.0000 - 28600.0000 MHz	22M5G7W	77.20 dBW	PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	200KG7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	400KG7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	800KG7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		PSK, DATA, INTERNET

**Points of Communication:**

GES-2 - ANIK-F2 - (111.1 W.L.)

GES-2 - WILDBLUE 1 - (109.2 W.L.)

**SES-MOD-20040310-00352** E E010153 WB HOLDINGS 1 LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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

WB Holdings 1 LLC requests additional time to complete and bring into regular operation the satellite earth stations for call signs E010151, E010153, and E010155. Construction has not been completed and regular operation of these earth stations has not begun due largely to unforeseen delays in the launch of ANIK F2, the satellite owned by Telesat Canada with which they will communicate. Despite these obstacles, WB Holdings has made substantial process on all three sites, which will be completed by the time ANIK F2 is launched this summer.

SITE ID: GES-3  
 LOCATION: 13611 CABEZUT DR., (UNITEC INDUSTRIAL CENTER), WEBB, LAREDO, TX  
 27 ° 41 ' 26.00 " N LAT. 99 ° 27 ' 6.00 " W LONG.

ANTENNA ID:	GES-3L-A	5.6 meters	ANDREW CORPORATION, INC.	ES-56-KA-1
29500.0000 - 30000.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET	
29500.0000 - 30000.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET	
29250.0000 - 29500.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET	
29250.0000 - 29500.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET	
28350.0000 - 28600.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET	
28350.0000 - 28600.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET	
19700.0000 - 20200.0000 MHz			PSK, DATA, INTERNET	
19700.0000 - 20200.0000 MHz			QAM, DATA, INTERNET	
19700.0000 - 20200.0000 MHz			QAM, DATA, INTERNET	
18300.0000 - 18800.0000 MHz			PSK, DATA, INTERNET	
18300.0000 - 18800.0000 MHz			QAM, DATA, INTERNET	
18300.0000 - 18800.0000 MHz			QAM, DATA, INTERNET	
18300.0000 - 18800.0000 MHz			PSK, DATA, INTERNET	

ANTENNA ID:	GES-3-A	8.1 meters	ANDREW CORPORATION, INC.	ES-81-KA-1
29250.0000 - 29500.0000 MHz	22M5G7W	77.20 dBW	PSK, DATA, INTERNET	
28350.0000 - 28600.0000 MHz	22M5G7W	77.20 dBW	PSK, DATA, INTERNET	
18300.0000 - 18800.0000 MHz	200KG7W		PSK, DATA, INTERNET	
18300.0000 - 18800.0000 MHz	400KG7W		PSK, DATA, INTERNET	
18300.0000 - 18800.0000 MHz	800KG7W		PSK, DATA, INTERNET	
18300.0000 - 18800.0000 MHz	1M60G7W		PSK, DATA, INTERNET	

**Points of Communication:**

GES-3 - ANIK-F2 - (111.1 W.L.)

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GES-3 - WILDBLUE 1 - (109.2 W.L.)

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**SES-MOD-20040310-00353** E E010155 WB HOLDINGS 1 LLC

Application for Modification

**Class of Station:** Fixed Earth Stations

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

WB Holdings 1 LLC requests additional time to complete and bring into regular operation the satellite earth stations for call signs E010151, E010153, and E010155. Construction has not been completed and regular operation of these earth stations has not begun due largely to unforeseen delays in the launch of ANIK F2, the satellite owned by Telesat Canada with which they will communicate. Despite these obstacles, WB Holdings has made substantial process on all three sites, which will be completed by the time ANIK F2 is launched this summer.

SITE ID: 1

LOCATION: 3182 VICKERY ROAD, ONONDAGA, SALINA, NY

43 ° 6 ' 24.80 " N LAT.

76 ° 9 ' 14.00 " W LONG.

ANTENNA ID: GES-4L-A 5.6 meters ANDREW CORPORATION, INC. ES-56-KA-1

29500.0000 - 30000.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET
29500.0000 - 30000.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET
29250.0000 - 29500.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET
29250.0000 - 29500.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET
28350.0000 - 28600.0000 MHz	18M0G7W	69.51 dBW	PSK, DATA, INTERNET
28350.0000 - 28600.0000 MHz	18M0G7W	69.51 dBW	QAM, DATA, INTERNET
19700.0000 - 20200.0000 MHz	200KG7W		PSK, DATA, INTERNET
19700.0000 - 20200.0000 MHz	1M60G7W		PSK, DATA, INTERNET
19700.0000 - 20200.0000 MHz	200KG7W		QAM, DATA, INTERNET
19700.0000 - 20200.0000 MHz	1M60G7W		QAM, DATA, INTERNET
18300.0000 - 18800.0000 MHz	200KG7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		PSK, DATA, INTERNET
18300.0000 - 18800.0000 MHz	200KG7W		QAM, DATA, INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		QAM, DATA, INTERNET

ANTENNA ID: GES-4A 8.1 meters ANDREW CORPORATION, INC. ES-81-KA-1

29250.0000 - 29500.0000 MHz	22M5G7W	77.20 dBW	PSK, DATA & INTERNET
28350.0000 - 28600.0000 MHz	22M5G7W	77.20 dBW	PSK, DATA & INTERNET
18300.0000 - 18800.0000 MHz	200KG7W		PSK, DATA & INTERNET
18300.0000 - 18800.0000 MHz	400KG7W		PSK, DATA & INTERNET
18300.0000 - 18800.0000 MHz	800KG7W		PSK, DATA & INTERNET
18300.0000 - 18800.0000 MHz	1M60G7W		PSK, DATA & INTERNET

**Points of Communication:**

1 - ANIK-F2 - (111.1 W.L.)

1 - WILDBLUE 1 - (109.2 W.L.)

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**SES-MOD-20040407-00522** E E020242 Hughes Network Systems, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

**SITE ID:** LITTLETON

**LOCATION:** 7235 W. TITAN ROAD, DOUGLAS, LITTLETON, CO

39 ° 30 ' 52.00 " N LAT.

105 ° 1 ' 30.00 " W LONG.

<b>ANTENNA ID:</b> ANT-8	8 meters	VERTEX	1514L-01-00
29500.0000 - 30000.0000 MHz	1M30F9D	50.00 dBW	COMPOSITE MODULATED COMMAND/RANGING SIGNAL
29500.0000 - 30000.0000 MHz	NON	53.10 dBW	UNMODULATED CW CARRIER
19700.0000 - 20200.0000 MHz	106KG9D		COMPOSITE TELEMETRY/RANGING SIGNAL

**SITE ID:** TF TR 1.8M

**LOCATION:** VARIOUS

<b>ANTENNA ID:</b> TF TR 1.8	1.8 meters	PRODELIN	3180-131
29500.0000 - 30000.0000 MHz	1M30F9D	50.00 dBW	COMPOSITE MODULATED COMMAND/RANGING SIGNAL

29500.0000 - 30000.0000 MHz	NON	42.80 dBW	UNMODULATED CW CARRIER
19700.0000 - 20200.0000 MHz	106KG9D		COMPOSITE TELEMETRY/RANGING SIGNAL

**Points of Communication:**

LITTLETON - SPACEWAY1 - (99.0 W.L.)  
 LITTLETON - SPACEWAY2 - (101.0 W.L.)  
 LITTLETON - SPACEWAY3 - (103 W.L.)  
 TF TR 1.8M - SPACEWAY1 - (99.0 W.L.)  
 TF TR 1.8M - SPACEWAY2 - (101.0 W.L.)  
 TF TR 1.8M - SPACEWAY3 - (103 W.L.)

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**SES-MOD-20040407-00523** E E020241 Hughes Network Systems, Inc.  
 Application for Modification  
**Class of Station:** Fixed Earth Stations

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

**SITE ID:** CANOGA PARK  
**LOCATION:** 8900 DESOTO AVENUE, LOS ANGELES, CANOGA PARK, CA  
 34 ° 15 ' 10.30 " N LAT. 118 ° 35 ' 39.10 " W LONG.

<b>ANTENNA ID:</b> ANT-13	13 meters	VERTEX	1514C-0100
29500.0000 - 30000.0000 MHz	1M30F9D	50.00 dBW	COMPOSITE MODULATED COMMAND/RANGING SIGNAL
19700.0000 - 20200.0000 MHz	106KG9D	0.00 dBW	COMPOSITE TELEMETRY/RANGING SIGNAL
<b>ANTENNA ID:</b> ANT-8	8 meters	VERTEX	1514L-0100
29500.0000 - 30000.0000 MHz	1M30F9D	50.00 dBW	COMPOSITE MODULATED COMMAND/RANGING SIGNAL
19700.0000 - 20200.0000 MHz	106KG9D		COMPOSITE TELEMETRY/RANGING SIGNAL

**Points of Communication:**

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CANOGA PARK - SPACEWAY1 - (99.0 W.L.)

CANOGA PARK - SPACEWAY2 - (101.0 W.L.)

CANOGA PARK - SPACEWAY3 - (103 W.L.)

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**SES-MOD-20040407-00524** E E030004 Hughes Network Systems, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

**SITE ID:** SST 3.5M

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

36 ° 14 ' 10.70 " N LAT.

115 ° 7 ' 0.10 " W LONG.

<b>ANTENNA ID:</b> TR 3.5	3.73 meters	ANDREW	ES35SRT-1
29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

**SITE ID:** SST 1.8M

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

36 ° 14 ' 10.70 " N LAT.

115 ° 7 ' 0.10 " W LONG.

<b>ANTENNA ID:</b> TR 1.8	1.8 meters	PRODELIN	3180-130
29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER



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19700.0000 - 20200.0000 MHz	500MG7W	500 MHz WIDE, QPSK, DIGITAL CARRIER
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**Points of Communication:**

- SST 1.8M - SPACEWAY1 - (99.0 W.L.)
  - SST 1.8M - SPACEWAY2 - (101.0 W.L.)
  - SST 1.8M - SPACEWAY3 - (103 W.L.)
  - SST 3.5M - SPACEWAY1 - (99.0 W.L.)
  - SST 3.5M - SPACEWAY2 - (101.0 W.L.)
  - SST 3.5M - SPACEWAY3 - (103 W.L.)
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**SES-MOD-20040407-00525** E E030005 Hughes Network Systems, Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

**SITE ID:** SST 1.8M

**LOCATION:** 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD

39 ° 10 ' 45.30 " N LAT.

77 ° 14 ' 52.10 " W LONG.

**ANTENNA ID:** TR 1.8      1.8 meters      PRODELIN      3180-131

29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
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29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
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29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER
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19700.0000 - 20200.0000 MHz	500MG7W	500 MHz WIDE, QPSK, DIGITAL CARRIER
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**SITE ID:** SST 3.5M

**LOCATION:** 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD

39 ° 10 ' 45.30 " N LAT.

77 ° 14 ' 52.10 " W LONG.

**ANTENNA ID:** TR 3.5      3.5 meters      ANDREW      ES35SRT-1

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29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

**Points of Communication:**

- SST 1.8M - SPACEWAY1 - (99.0 W.L.)
- SST 1.8M - SPACEWAY2 - (101.0 W.L.)
- SST 1.8M - SPACEWAY3 - (103 W.L.)
- SST 3.5M - SPACEWAY1 - (99.0 W.L.)
- SST 3.5M - SPACEWAY2 - (101.0 W.L.)
- SST 3.5M - SPACEWAY3 - (103 W.L.)

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**SES-MOD-20040407-00526** E E030006 Hughes Network Systems, Inc.  
 Application for Modification  
**Class of Station:** Fixed Earth Stations

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

**SITE ID:** SST 3.5M  
**LOCATION:** 393 INVERNESS PARKWAY, DOUGLAS, ENGLEWOOD, CO  
 39 ° 33 ' 49.80 " N LAT. 104 ° 51 ' 54.50 " W LONG.

<b>ANTENNA ID:</b> TR 3.5	3.5 meters	ANDREW	ES35SRT-1
29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER

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19700.0000 - 20200.0000 MHz	500MG7W	500 MHz WIDE, QPSK, DIGITAL CARRIER
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SITE ID: SST 1.8M  
LOCATION: 393 INVERNESS PARKWAY, DOUGLAS, ENGLEWOOD, CO  
39 ° 33 ' 49.80 " N LAT. 104 ° 51 ' 54.50 " W LONG.

ANTENNA ID: TR 1.8	1.8 meters	PRODELIN	3180-131
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29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
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29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
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29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER
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19700.0000 - 20200.0000 MHz	500MG7W	500 MHz WIDE, QPSK, DIGITAL CARRIER
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**Points of Communication:**

SST 1.8M - SPACEWAY1 - (99.0 W.L.)

SST 1.8M - SPACEWAY2 - (101.0 W.L.)

SST 1.8M - SPACEWAY3 - (103 W.L.)

SST 3.5M - SPACEWAY1 - (99.0 W.L.)

SST 3.5M - SPACEWAY2 - (101.0 W.L.)

SST 3.5M - SPACEWAY3 - (103 W.L.)

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**SES-MOD-20040407-00527** E E030007 Hughes Network Systems, Inc.

Application for Modification

**Class of Station:** Other

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

SITE ID: TR 3.5M  
LOCATION: CONUS, AK, HI, PR, VI

ANTENNA ID: TR 3.5	3.5 meters	ANDREW	ES35SRT-1
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29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

SITE ID: TR 1.8M  
LOCATION: CONUS, AK, HI, PR, VI

ANTENNA ID: TR 1.8      1.8 meters      PRODELIN      3180-131

29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	20M9G7W	57.00 dBW	16.348 MBPS, QPSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

SITE ID: TR 1.2M  
LOCATION: CONUS, AK, HI, PR, VI

ANTENNA ID: TR 1.2      1.2 meters      PRODELIN      3120-131

29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

**Points of Communication:**

- TR 1.2M - SPACEWAY1 - (99.0 W.L.)
- TR 1.2M - SPACEWAY2 - (101.0 W.L.)
- TR 1.8M - SPACEWAY1 - (99.0 W.L.)
- TR 1.8M - SPACEWAY2 - (101.0 W.L.)

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TR 3.5M - SPACEWAY1 - (99.0 W.L.)

TR 3.5M - SPACEWAY2 - (101.0 W.L.)

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**SES-MOD-20040407-00528** E E030008 Hughes Network Systems, Inc.

Application for Modification

**Class of Station:** Other

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

Hughes Network Systems, Inc. ("HNS") requests additional time to construct and commence operations using the earth stations licensed under call signs E030004, E030005, E030006 and E030007 until April 11, 2005. Hughes is also requests an extension to commence operations under E020241 and E020242 until April 11, 2005, so that the construction completion deadlines for all of HNS Ka-band earth stations coincide. This date is within the timeframe of the launch milestone for the Spaceway satellites, which date is June 25, 2005.

SITE ID: TR .74 CM

LOCATION: CONUS, AK, HI, PR, VI, .74(50000 TERMINALS)

ANTENNA ID:	TR .74M	0.74 meters	PRODELIN (98x56 cm antenna)	HNS1031929
	29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

SITE ID: TF TR .74 CM

LOCATION: CONUS, AK, HI, PR, VI, .74(25000 TERMINALS)

ANTENNA ID:	TF TR .74M	0.74 meters	PRODELIN (98x56 cm antenna)	HNS1031929
	29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

SITE ID: TR .98CM

LOCATION: CONUS, AK, HI, PR, VI, .98(25000 TERMINALS)

ANTENNA ID:	TR .98M	0.98 meters	PRODELIN	3980-131
	29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

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SITE ID: TF TR .98M  
LOCATION: CONUS, AK, HI, PR, VI, .98(10000 TERMINALS)

ANTENNA ID:	TF TR.98M	0.98 meters	PRODELIN	3980-131
	29500.0000 - 30000.0000 MHz	650KG7W	42.00 dBW	512 KBPS, QPSK, DIGITAL CARRIER
	29500.0000 - 30000.0000 MHz	2M61G7W	48.00 dBW	2.048 MBPS, QPSK, DIGITAL CARRIER
	19700.0000 - 20200.0000 MHz	500MG7W		500 MHz WIDE, QPSK, DIGITAL CARRIER

**Points of Communication:**

TF TR .74 CM - SPACEWAY1 - (99.0 W.L.)  
TF TR .74 CM - SPACEWAY2 - (101.0 W.L.)  
TF TR .98M - SPACEWAY1 - (99.0 W.L.)  
TF TR .98M - SPACEWAY2 - (101.0 W.L.)  
TR .74 CM - SPACEWAY1 - (99.0 W.L.)  
TR .74 CM - SPACEWAY2 - (101.0 W.L.)  
TR .98CM - SPACEWAY1 - (99.0 W.L.)  
TR .98CM - SPACEWAY2 - (101.0 W.L.)

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**SES-MOD-20040408-00539** E KA263 Intelsat LLC  
Application for Modification  
**Class of Station:** Fixed Earth Stations

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

Intelsat LLC seeks to modify the license of its Clarksburg, Maryland C-band transmit/receive earth station (Call Sign: KA263) to add a new emission designator (800KFXD) to the license. This new emission will operate at a higher EIRP (83) than that which is currently licensed. Further, the satellite arc of the earth station will be expanded for the new emissions.

SITE ID: 1  
LOCATION: 22021 COMSAT DRIVE, MONTGOMERY, CLARKSBURG, MD  
39 ° 13 ' 4.40 " N LAT. 77 ° 16 ' 13.90 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX	9KPC
	5925.0000 - 6425.0000 MHz	600KF2D	72.00 dBW	TTC&M
	5925.0000 - 6425.0000 MHz	922KG7W	63.60 dBW	DIGITAL DATA

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5925.0000 - 6425.0000 MHz	1M43G7W	66.00 dBW	DIGITAL DATA
5850.0000 - 6425.0000 MHz	100KG7W-	64.20 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
5850.0000 - 6425.0000 MHz	72M0G7W	82.00 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
5850.0000 - 6300.0000 MHz	3M50Q2D	72.00 dBW	QPSK, TDMA (BROADBAND VSAT SERVICES)
5850.0000 - 5925.0000 MHz	600KF2D	72.00 dBW	TTC&M
3700.0000 - 4200.0000 MHz	600KF2D		TTC&M
3700.0000 - 4200.0000 MHz	922KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	1M43G7W		DIGITAL DATA
3625.0000 - 4200.0000 MHz	100KG7W-		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 4200.0000 MHz	72M0G7W		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 4075.0000 MHz	3M50Q2D		QPSK, TDMA (BROADBAND VSAT SERVICES)
3625.0000 - 3700.0000 MHz	600KF2D		TTC&M
5925.0000 - 6425.0000 MHz	800KFXD	80.00 dBW	COMMAND AND RANGING CARRIERS
3700.0000 - 4200.0000 MHz	800KFXD		TELEMETRY CARRIERS

**Points of Communication:**

- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)

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1 - INTELSAT AOR - (340.0 E.L.)

1 - INTELSAT AOR - (342.0 E.L.)

1 - New Skies 806 - (319.5 E.L.)

1 - NSS-5 - (183 E.L.)

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**SES-MOD-20040414-00549** E E980376 ORBIMAGE Inc.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Earth Exploration Satellite Service

Request to modify the Barrow, Alaska fixed transmit/receive earth station authorization to reduce the earth station elevation angle from 5 degrees to 3 degrees. The earth station is part of the OrbView-3 remote sensing satellite system previously authorized by the Commission and is used to receive satellite imagery and transmit telemetry, tracking and control signals to the OrbView-3 satellite.

**SITE ID:** STATION 1

**LOCATION:** NORTH SLOPE, BARROW, AL

71 ° 16 ' 16.00 " N LAT.

156 ° 45 ' 59.00 " W LONG.

<b>ANTENNA ID:</b> UHF-1	M2 ENTERPRISES	400 CP30M
402.7200 - 402.7200 MHz	60K0F1D 34.26 dBW	FSK Command & Control communications
401.5000 - 401.5000 MHz	60K0F1D 34.26 dBW	Telemetry
<b>ANTENNA ID:</b> S-BAND-1	5.4 meters SCIENTIFIC ATLANTA	V8x-Y PEDESTAL
2092.6000 - 2092.6000 MHz	128K0G1D 55.00 dBW	PSK, NRZ-S, LINEAR PM, 1 RADIANT Command & Control Communications
2092.6000 - 2092.6000 MHz	NON 55.00 dBW	an unmodulated signal, transmit for less than one second on each pass of satellite (10 - 12 per day)
<b>ANTENNA ID:</b> 8 GHz-1	5.4 meters SCIENTIFIC ATLANTA	V8x-Y PEDESTAL
8190.0000 - 8190.0000 MHz	36K0G1D	Image data & telemetry
8190.0000 - 8190.0000 MHz	150MG1D	Image data & telemetry

**Points of Communication:**

STATION 1 - OrbView 3 - (Polar NGSO)

STATION 1 - OrbView 4 - (Polar NGSO)

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**SES-MOD-20040414-00550** E E030253 IWL COMMUNICATIONS INC DBA CAPROCK SERVICES CORP

Application for Modification

**Class of Station:** Fixed Earth Stations

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

"MOD" to add a 4.5 meter C-band antenna.

SITE ID: 1

LOCATION: 4400 South Sam Houston Parkway East, Harris, Houston, TX

29 ° 35 ' 54.00 " N LAT.

95 ° 20 ' 50.00 " W LONG.

ANTENNA ID: 1	9.3 meters	Vertex	9.3 KPK
14000.0000 - 14500.0000 MHz	1M85G7D	73.45 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	200KG7D	63.78 dBW	Digital Data Carrier
11450.0000 - 12200.0000 MHz	1M85G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	200KG7D		Digital Data Carrier
10950.0000 - 11200.0000 MHz	1M85G7D		Digital Data Carrier
10950.0000 - 11200.0000 MHz	200KG7D		Digital Data Carrier
ANTENNA ID: 2	4.5 meters	ANDREW	ESA45-46A
5925.0000 - 6425.0000 MHz	200KG7D	59.28 dBW	DIGITAL DATA CARRIER
5925.0000 - 6425.0000 MHz	1M85G7D	68.95 dBW	DIGITAL DATA CARRIER
3700.0000 - 4200.0000 MHz	200KG7D		DIGITAL DATA CARRIER
3700.0000 - 4200.0000 MHz	1M85G7D		DIGITAL DATA CARRIER

**Points of Communication:**

1 - ALSAT - (ALSAT)

1 - INTELSAT AOR - (332.5 E.L.)

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**SES-REG-20040331-00496** E E040165 PIONEER LONG DISTANCE, INC.

Registration

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: 108 E ROBBERTS AVENUE (SIMULSAT) P.O. BOX 539, KINGFISHER, KINGFISHER, OK  
35 ° 52 ' 4.50 " N LAT. 97 ° 54 ' 15.20 " W LONG.

ANTENNA ID: 1 5 meters ANTENNA TECH CORP. SIMULSAT 5M  
3700.0000 - 4200.0000 MHz 36M0F8F ANALOG AND DIGITAL

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-REG-20040410-00533** E E040171 NEWARK PUBLIC RADIO, INC.

Registration

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 48 PARK PLACE (WBGO-FM), ESSEX, NEWARK, NJ  
40 ° 44 ' 21.60 " N LAT. 74 ° 10 ' 5.10 " W LONG.

ANTENNA ID: 3.7M. 3.7 meters PRODELIN CORPORATION 136-750  
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-20040412-00541** E E040173 ARIZONA WESTERN COLLEGE

Registration

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 2020 S. AVENUE 8 E. (KAWC-FM), YUMA, YUMA, AZ  
32 ° 41 ' 20.00 " N LAT. 114 ° 29 ' 46.00 " W LONG.

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

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**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-REG-20040414-00551** E E040177 THE HELICON GROUP, LP

Registration

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 1 TELCOM WAY, CALADONIA, DANVILLE, VT

44 ° 25 ' 43.00 " N LAT.

72 ° 6 ' 42.00 " W LONG.

ANTENNA ID: 1	3.8 meters	Comtech	3.8M
3700.0000 - 4200.0000 MHz		36M0F3F	Standard Video with Associated Audio Subcarriers
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Traffic-VariouS Information
ANTENNA ID: 1	5 meters	Simulsat	OffSat
3700.0000 - 4200.0000 MHz		36M0F3F	Standard Video with Associated Audio Subcarriers
3700.0000 - 4200.0000 MHz		36M0G7W	Digital Traffic - Various Information

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-T/C-20040413-00546** E E980420 Arch Wireless License Co., LLC

Application for Consent to Transfer of Control

**Current Licensee:** ARCH WIRELESS LICENSE CO., LLC

**FROM:** ARCH WIRELESS, INC.

**TO:** Wizards-Patriots Holdings, Inc.

No. of Station(s) listed: 1

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**SES-T/C-20040413-00547** E E960014 Arch Wireless License Co., LLC

Application for Consent to Transfer of Control

**Current Licensee:** ARCH WIRELESS LICENSE CO., LLC

**FROM:** ARCH WIRELESS, INC.

**TO:** Wizards-Patriots Holdings, Inc.

No. of Station(s) listed: 4

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