



11450.0000 - 11700.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
ANTENNA ID: Reflector	0.65 meters	Mitsubishi Electric Co.	Boeing Reflector Ant
14000.0000 - 14500.0000 MHz	32M4G7D	46.70 dBW	Direct Sequence Spread Spectrum, O-QPSK
14000.0000 - 14500.0000 MHz	420KG7D	30.50 dBW	Direct Sequence Spread Spectrum, O-QPSK
12200.0000 - 12750.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
12200.0000 - 12750.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11700.0000 - 12200.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11700.0000 - 12200.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11450.0000 - 11700.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11450.0000 - 11700.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
ANTENNA ID: Tecom	0.65 meters	Tecom Industries, Inc.	KuStream 1500
14000.0000 - 14500.0000 MHz	32M4G7D	44.80 dBW	Direct Sequence Spread Spectrum, O-QPSK
14000.0000 - 14500.0000 MHz	420KG7D	37.80 dBW	Direct Sequence Spread Spectrum, O-QPSK
12200.0000 - 12750.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
12200.0000 - 12750.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11700.0000 - 12200.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11700.0000 - 12200.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11450.0000 - 11700.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11450.0000 - 11700.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK

**Points of Communication:**

- 1 - AMC-15 - (105 W.L.)
- 1 - Eutelsat 113W(S2695) - (113 W.L.)
- 1 - EUTELSAT 172A(S2610) - (172 E. L.)
- 1 - INTEL 907 (S2411) - (27.5 W.L.)
- 1 - OTHER -
- 1 - OTHER -
- 1 - SES-1 - (101.0 W.L.)
- 1 - Superbird C2 - (144 E.L)
- 1 - TELSTAR 11N (S2357) - (37.5 W.L.)

**SES-AMD-20141117-00858** E E140087 Astronics AeroSat Corporation

Amendment

Grant of Authority

Date Effective: 03/13/2015

**Class of Station:** Other

**Nature of Service:** Other

SITE ID: AES1

LOCATION: Operate up to 1000 ESAA terminals 2.4M CONUS AND OCONUS

ANTENNA ID:	AES1	Astronics AeroSat	HR6400
	14000.0000 - 14500.0000 MHz	4M94G7D 42.90 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	9M72G7D 43.87 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	4M86G7D 43.87 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	1M22G7D 43.71 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	2M43G7D 43.42 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	929KG7D 42.65 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	4M89G7D 43.69 dBW	Digital Data Services
	12250.0000 - 12750.0000 MHz	3M90G7D	Digital Data Services
	12250.0000 - 12750.0000 MHz	25M0G7D	Digital Data Services
	11700.0000 - 12200.0000 MHz	25M0G7D	Digital Data Services
	11700.0000 - 12200.0000 MHz	10M9G7D	Digital Data Services
	11700.0000 - 12200.0000 MHz	5M69G7D	Digital Data Services

11450.0000 - 11700.0000 MHz	25M0G7D	Digital Data Services
10950.0000 - 11200.0000 MHz	10M9G7D	Digital Data Services
10950.0000 - 11200.0000 MHz	25M0G7D	Digital Data Services

**Points of Communication:**

- AES1 - Apstar 7 - (76.5 E.L.)
- AES1 - ESTRELA DO SUL 2 - (63 W.L.)
- AES1 - EUTELSAT 117 (S2873) - (116.8 W.L.)
- AES1 - EUTELSAT 172A(S2610) - (172 E. L.)
- AES1 - GALAXY 3C - (95 W.L.)
- AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)
- AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)
- AES1 - INTELSAT 22 - (72.1 E. L.)
- AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)
- AES1 - Telstar 12 (S2462) - (15W)

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**SES-ASG-20140224-00112** E E7554 MALARA BROADCAST GROUP OF DULUTH LICENSEE LLC  
 Application for Consent to Assignment  
 Grant of Authority Date Effective: 03/10/2014

**Current Licensee:** MALARA BROADCAST GROUP OF DULUTH LICENSEE LLC  
**FROM:** Malara Broadcast Group of Duluth Licensee LLC  
**TO:** Sagamorehill of Duluth Licenses, LLC

No. of Station(s) listed: 1

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**SES-LIC-20140902-00688** E E140087 Astronics AeroSat Corporation  
 Application for Authority 03/13/2015 - 03/13/2030  
 Grant of Authority Date Effective: 03/13/2015

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service

SITE ID: AES1  
 LOCATION: Operate up to 1000 ESAA terminals 2.4M CONUS AND OCONUS

ANTENNA ID: AES1	0.24 meters	Astronics AeroSat	HR6400
14000.0000 - 14500.0000 MHz	4M89G7D	43.69 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	929KG7D	42.65 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	2M43G7D	43.42 dBW	Digital Data Services

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14000.0000 - 14500.0000 MHz	1M22G7D	43.71 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	4M86G7D	43.87 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	9M72G7D	43.87 dBW	Digital Data Services
14000.0000 - 14500.0000 MHz	4M94G7D	42.90 dBW	Digital Data Services
11700.0000 - 12200.0000 MHz	5M69G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	25M0G7D		Digital Data Services
11450.0000 - 11700.0000 MHz	25M0G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	25M0G7D		Digital Data Services
10950.0000 - 11200.0000 MHz	10M9G7D		Digital Data Services
12250.0000 - 12750.0000 MHz	3M90G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	10M9G7D		Digital Data Services
11700.0000 - 12200.0000 MHz	25M0G7D		Digital Data Services

**Points of Communication:**

- AES1 - Apstar 7 - (76.5 E.L.)
- AES1 - ESTRELA DO SUL 2 - (63 W.L.)
- AES1 - EUTELSAT 117 (S2873) - (116.8 W.L.)
- AES1 - EUTELSAT 172A(S2610) - (172 E. L.)
- AES1 - GALAXY 3C - (95 W.L.)
- AES1 - INTELSAT 14 (S2785) - (45.0 W.L.)
- AES1 - INTELSAT 19 (S2850) - (166.0 E.L.)
- AES1 - INTELSAT 22 - (72.1 E. L.)
- AES1 - TELSTAR 11N (S2357) - (37.5 W.L.)
- AES1 - Telstar 12 (S2462) - (15W)

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**SES-LIC-20140922-00748**    E E140097    The Boeing Company  
Application for Authority  
Grant of Authority

03/13/2015 - 03/13/2030  
Date Effective:    03/13/2015

**Class of Station:**    Other

**Nature of Service:**    Fixed Satellite Service

SITE ID: Aircraft  
 LOCATION: Operate up to 100 ESAA Terminals GLOBAL  
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	BPA	0.381 meters	Boeing	Boeing Phased Array
	14000.0000 - 14500.0000 MHz	420KG7D	31.70 dBW	Direct Sequence Spread Spectrum, O-QPSK
	14000.0000 - 14500.0000 MHz	32M4G7D	50.60 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11450.0000 - 11700.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11450.0000 - 11700.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11700.0000 - 12200.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11700.0000 - 12200.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	12200.0000 - 12750.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	12200.0000 - 12750.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK

ANTENNA ID:	Reflector	0.65 meters	Mitsubishi Electric Co.	Boeing Reflector Ant
	14000.0000 - 14500.0000 MHz	420KG7D	30.50 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11450.0000 - 11700.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11450.0000 - 11700.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11700.0000 - 12200.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	11700.0000 - 12200.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	12200.0000 - 12750.0000 MHz	420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	12200.0000 - 12750.0000 MHz	32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
	14000.0000 - 14500.0000 MHz	32M4G7D	46.70 dBW	Direct Sequence Spread Spectrum, O-QPSK

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ANTENNA ID:	Tecom	0.65 meters	Tecom Industries, Inc.	KuStream 1500
14000.0000 - 14500.0000 MHz		420KG7D	37.80 dBW	Direct Sequence Spread Spectrum, O-QPSK
14000.0000 - 14500.0000 MHz		32M4G7D	44.80 dBW	Direct Sequence Spread Spectrum, O-QPSK
11450.0000 - 11700.0000 MHz		420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11450.0000 - 11700.0000 MHz		32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11700.0000 - 12200.0000 MHz		420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
11700.0000 - 12200.0000 MHz		32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
12200.0000 - 12750.0000 MHz		420KG7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK
12200.0000 - 12750.0000 MHz		32M4G7D	0.00 dBW	Direct Sequence Spread Spectrum, O-QPSK

**Points of Communication:**

Aircraft - AMC-15 - (105 W.L.)

Aircraft - Eutelsat 113W(S2695) - (113 W.L.)

Aircraft - EUTELSAT 172A(S2610) - (172 E. L.)

Aircraft - Eutelsat 36B - (36 E.L.)

Aircraft - Eutelsat 7A - (7 E.L.)

Aircraft - INTEL 907 (S2411) - (27.5 W.L.)

Aircraft - SES-1 - (101.0 W.L.)

Aircraft - Superbird C2 - (144 E.L.)

Aircraft - TELSTAR 11N (S2357) - (37.5 W.L.)

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<b>SES-LIC-20141208-00885</b>	E E140126	Midwest Information Systems, Inc.	03/13/2015 - 03/13/2030
Application for Authority			Date Effective: 03/13/2015
Grant of Authority			

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 2501 13th Avenue, South Suite 201, Cass, Fargo, ND  
46 ° 51 ' 43.30 " N LAT. 96 ° 49 ' 14.20 " W LONG.

ANTENNA ID:	1	3.8 meters	General Dynamics	1385
	3700.0000 - 4200.0000 MHz		200KG7W	Digital modulation of media content at varying data rates and FEC
	5925.0000 - 6165.0000 MHz		200KG7W 48.79 dBW	Digital modulation of media content at varying data rates and FEC
	6215.0000 - 6235.0000 MHz		200KG7W 48.79 dBW	Digital modulation of media content at varying data rates and FEC
	6275.0000 - 6295.0000 MHz		200KG7W 48.79 dBW	Digital modulation of media content at varying data rates and FEC
	6335.0000 - 6355.0000 MHz		200KG7W 48.79 dBW	Digital modulation of media content at varying data rates and FEC
	6395.0000 - 6425.0000 MHz		200KG7W 48.79 dBW	Digital modulation of media content at varying data rates and FEC

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20150128-00041** E E150007 Music City Satellite, LLC  
Application for Authority 03/12/2015 - 03/12/2030  
Grant of Authority Date Effective: 03/12/2015

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

**Nature of Service:** Fixed Satellite Service

SITE ID: 3  
LOCATION: SINGLITE Antenna on BW Truck, VARIOUS

ANTENNA ID:	ESA24-SNG	2.4 meters	ANDREW	ESA24SNG-LTE
	11700.0000 - 12200.0000 MHz		36M0G7W	Digital Video/Audio/Data QPSK, 8PSK
	14000.0000 - 14500.0000 MHz		36M0G7W 74.34 dBW	Digital Video/Audio/Data QPSK, 8PSK

**Points of Communication:**

3 - PERMITTED LIST - ()

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**SES-MOD-20150108-00003** E E060206 Roberts Communications Network, LLC  
Application for Modification 08/07/2006 - 08/07/2021  
Grant of Authority Date Effective: 03/12/2015

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



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**Nature of Service:** Fixed Satellite Service

SITE ID: HYBRID 2.4-2

LOCATION: 4175 CAMERON STREET, SUITE #B-10 (C/KU HYBRID), CONUS,AK,HI

ANTENNA ID:	2.4M.C	2.4 meters	AVL	2.4	
	5925.0000 - 6425.0000 MHz		36M0G7W	65.48 dBW	DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES, MODULATION
	5925.0000 - 6425.0000 MHz		51K2G7W	37.01 dBW	DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES, MODULATION
ANTENNA ID:	2.4MKU	2.4 meters	AVL	2.4	
	14000.0000 - 14500.0000 MHz		36M0G7W	70.76 dBW	DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES, MODULATION
	14000.0000 - 14500.0000 MHz		51K2G7W	46.07 dBW	DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES, MODULATION

**Points of Communication:**

HYBRID 2.4-2 - PERMITTED LIST - ()

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~~SES-MOD-20150303-00109~~ E E130020 CNN America, Inc.

Application for Modification

08/12/2013 - 08/12/2028

Grant of Authority

Date Effective: 03/12/2015

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

**Nature of Service:** Fixed Satellite Service

CNN America, Inc. filed notification of minor modification to amend Site Location Address. All other technical parameters are unchanged.

SITE ID: 1

LOCATION: 6430 SUNSET BLVD. LOS ANGELES, CA 90028, VARIOUS

ANTENNA ID:	1	2.4 meters	AVL TECHNOLOGIES	2410K	
	14000.0000 - 14500.0000 MHz		36M0F8W	73.77 dBW	FM Video Carrier with Associated Audio and ATIS Subcarriers
	14000.0000 - 14500.0000 MHz		36M0G7W	73.77 dBW	PM Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz		36M0F8W		FM Video Carrier with Associated Audio and ATIS Subcarriers
	11700.0000 - 12200.0000 MHz		36M0G7W		PM Compressed Digital Video and Audio

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-STA-20150126-00037** E SES Government Solutions, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 03/13/2015

**Class of Station:**

On March 13, 2015, SES Government Solutions, Inc. was granted special temporary authority, for a period of 180 days beginning March 13, 2015, to operate a fixed earth station, in Bristow, VA, with the O3b Limited NGSO satellite system (Call Sign S2935) in the 27.6-28.4 GHz and 28.6-29.1 GHz (Earth-to-space) and 17.8 -18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20150204-00057** E E000363 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 03/12/2015

**Class of Station:**

On March 12, 2015, Intelsat License, LLC was granted special temporary authority, for a period of 150 days, to operate its fixed earth station in, Fillmore, CA, to provide launch and early orbit phase (LEOP) services for the Eutelsat-115 West B satellite, licensed by Mexico, as it proceeds to its permanent orbital location 114.9° W.L., on the following center frequencies: 6421.5 MHz and 6423.5 MHz (Earth-to-space) and 4199 MHz and 4199.8 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150213-00080** E Universal Space Network, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 03/13/2015

**Class of Station:**

On March 13, 2015, Universal Space Network, Inc. was granted special temporary authority, for a period of 8 days beginning March 13, 2015, to operate its fixed earth station located in North Pole, AK, to conduct a ranging campaign involving the European Space Agency's Sentinels -1A satellite, on the following center frequencies: 2075.650 MHz (Earth-to-space) and 2254.099 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150219-00086** E E000296 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 03/12/2015

**Class of Station:**

On March 12, 2015, Intelsat License LLC was granted special temporary authority, for a period of 30 days, beginning March 17, 2015, to operate its fixed earth station in Hagerstown, MD, to provide launch and early orbit phase (LEOP) services to the ExpressAM-7 satellite, licensed by Russia, as it proceeds to its 40.0° E.L. orbital location, on the following center frequencies: 6535.00 MHz (Earth-to-space) and 3800.00 MHz and 3801.00 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150219-00087** E E4132 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 03/12/2015

**Class of Station:**

On March 12, 2015, Intelsat License LLC was granted special temporary authority, for a period of 30 days, beginning March 17, 2015, to operate its fixed earth station in Fillmore, CA, to provide launch and early orbit phase (LEOP) services to the ExpressAM-7 satellite, licensed by Russia, as it proceeds to its 40.0° E.L. orbital location, on the following center frequencies: 6535.00 (Earth-to-space) and 3800.00 MHz and 3801.00 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20150304-00115** E Emerging Markets Communications, LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 03/13/2015

**Class of Station:**

On March 13, 2015, Emerging Markets, LLC, was granted special temporary authority, for a period of 15 days, beginning March 16, to use its fixed earth station in Houston, TX, to operate with Intelsat 805 satellite at the 55.5° W.L. orbital location in the 6068.5-6070.0 MHz (Earth-to-space) frequency band.

**Points of Communication:**

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**SES-STA-20150306-00117** E E040174 Intelsat License LLC

Special Temporary Authority  
Grant of Authority

Date Effective: 03/10/2015

**Class of Station:**

On March 10, 2015, Intelsat License LLC was granted special temporary authority, for a period of 30 days, to use its fixed earth station in Castle Rock, CO, to provide launch and early orbit phase (LEOP) services for the ABS-3A satellite as it proceeds to the 3° W.L. orbital location, on the following center frequencies: 6420.0 MHz and 6425.0 MHz (Earth-to-space) and 4194.5 MHz and 4197.0 MHz (space-to-Earth). The ABS-3A satellite is licensed by Papua New Guinea.

**Points of Communication:**

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**SES-STA-20150312-00144** E E150021 Mississippi State University - University Television Center

Special Temporary Authority  
Grant of Authority

Date Effective: 03/13/2015

**Class of Station:**

On March 13, 2015, Mississippi State University-University Television Center was granted special temporary authority, for a period of 60 days, beginning March 12, 2015, to use its temporary-fixed earth station, to operate with the Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space), and 11.7-12.2 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SURRENDER**

**SES-LIC-20020718-01124**

E020188

REDLINE PERFORMANCE MANAGEMENT GROUP, LLC

**SURRENDER**

License surrendered by letter filed March10, 2015.

**SES-LIC-20060616-01015**      E060235      REDLINE PERFORMANCE MANAGEMENT GROUP, LLC

License surrendered by letter filed March10, 2015.

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