



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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WASHINGTON D.C. 20554

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Report No. SES-02192

Wednesday August 21, 2019

## 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-20190221-00282 E E170167 HNS License Sub, LLC

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00892 for a description of this application.

SITE ID: 1

LOCATION: 575 South Madison Ave, Yuma, Yuma, AZ

32 ° 43 ' 0.00 " N LAT.

114 ° 37 ' 8.00 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

### Points of Communication:

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-AMD-20190221-00283** E E170163 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00888 for a description of this application.

SITE ID: 1

LOCATION: 4514 Ish Drive, Ventura, Simi Valley, CA

34 ° 16 ' 9.80 " N LAT.

118 ° 42 ' 12.80 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
50400.0000 - 51400.0000 MHz		470MG7W	72.00 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz		470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz		470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz		470MG7W	73.00 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz		470MG7W	73.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - EHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-AMD-20190221-00284** E E170160 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00885 for a description of this application.

SITE ID: 1

LOCATION: 1 Superloop Circle Suite 3, Storey, McCarren, NV

39 ° 30 ' 53.00 " N LAT.

119 ° 28 ' 0.46 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
50400.0000 - 51400.0000 MHz		470MG7W	72.00 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz		470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz		470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz		470MG7W	73.00 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz		470MG7W	73.00 dBW	M-ary PSK outroute

**Points of Communication:**

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1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-AMD-20190221-00285** E E170154 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00879 for a description of this application.

SITE ID: 1

LOCATION: 1 Aerojet Way, Clark, North Las Vegas, NV

36 ° 14 ' 11.80 " N LAT.

115 ° 7 ' 5.50 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 289100.000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00288** E E170161 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00886 for a description of this application.

SITE ID: 1

LOCATION: 1670 N Hwy 33, Teton, Driggs, ID

43 ° 44 ' 53.70 " N LAT.

111 ° 6 ' 51.20 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

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**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00293** E E170170 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00895 for a description of this application.

SITE ID: 1

LOCATION: 1003 East State Farm Rd, Lincoln, North Platte, NE

41 ° 5 ' 26.80 " N LAT.

100 ° 45 ' 10.40 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
50400.0000 - 51400.0000 MHz		470MG7W	72.70 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz		470MG7W	72.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz		470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz		470MG7W	73.70 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz		470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00294** E E170155 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00880 for a description of this application.

SITE ID: 1

LOCATION: 10215 W Emerald Street, Ada, Boise, ID

43 ° 36 ' 27.50 " N LAT.

116 ° 18 ' 33.80 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
50400.0000 - 51400.0000 MHz		470MG7W	72.00 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz		470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz		470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz		470MG7W	73.00 dBW	M-ary PSK outroute

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27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
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**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00295** E E170159 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00884 for a description of this application.

SITE ID: 1

LOCATION: 201 Camino de la Merced, Taos, Taos, NM

36 ° 23 ' 16.00 " N LAT.

105 ° 35 ' 16.50 " W LONG.

ANTENNA ID: 1 10 meters SED 10.0M

50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
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47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
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40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
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28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
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27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
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**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00296** E E170164 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00889 for a description of this application.

SITE ID: 1

LOCATION: 530 EchoStar Drive, Laramie, Cheyenne, WY

41 ° 7 ' 54.50 " N LAT.

104 ° 44 ' 15.20 " W LONG.

ANTENNA ID: 1 10 meters SED 10.0 METER

50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
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47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
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40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
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28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-AMD-20190221-00297** E E170162 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00887 for a description of this application.

SITE ID: 1

LOCATION: 1135 East Pennsylvania St, Pima, Tucson, AZ

32 ° 10 ' 20.40 " N LAT.

110 ° 57 ' 17.50 " W LONG.

ANTENNA ID: 1 10 meters SED 10.0M

50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-AMD-20190221-00298** E E170153 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00878 for a description of this application.

SITE ID: 1

LOCATION: 2200 M St NW, Grant, Quincy, WA

47 ° 14 ' 43.40 " N LAT.

119 ° 48 ' 58.70 " W LONG.

ANTENNA ID: 1 10 meters SED 10.0M

50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-AMD-20190221-00299** E E170152 HNS License Sub, LLC  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00877 for a description of this application.

SITE ID: 1

LOCATION: 2050 Martin Avenue, Santa Clara, Santa Clara, CA  
37 ° 21 ' 54.30 " N LAT.

121 ° 57 ' 41.20 " W LONG.

ANTENNA ID: 1	10 meters	SED	10.0 METER
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-AMD-20190221-00302** E E170166 HNS License Sub, LLC  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00891 for a description of this application.

SITE ID: 1

LOCATION: 235 E.21ST. STREET, Garfield, Rifle, CO  
39 ° 32 ' 54.20 " N LAT.

107 ° 46 ' 53.90 " W LONG.

ANTENNA ID: 1	9.2 meters	General Dynamics	9.2 meter
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-AMD-20190221-00303** E E170156 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No.SES-LIC-20170807-00881 for a description of this application.

SITE ID: 1

LOCATION: 1677 E Butler Ave, Coconino, Flagstaff, AZ

35 ° 11 ' 25.90 " N LAT.

111 ° 37 ' 55.80 " W LONG.

ANTENNA ID: 1 9.2 meters GENERAL DYNAMICS 9.2 meter

50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-AMD-20190221-00304** E E170165 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00890 for a description of this application.

SITE ID: 1

LOCATION: 333 S 520 W., Utah, Lindon, UT

40 ° 19 ' 58.10 " N LAT.

111 ° 43 ' 50.20 " W LONG.

ANTENNA ID: 1 9.2 meters General Dynamics 9.2 meter



50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-AMD-20190221-00305** E E170168 HNS License Sub, LLC  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00893 for a description of this application.

SITE ID: 1

LOCATION: 8404 El Way, Suite 1, Missoula, Missoula, MT  
46 ° 56 ' 10.30 " N LAT.

114 ° 6 ' 53.90 " W LONG.

ANTENNA ID: 1 9.2 meters General Dynamics 9.2 meter

50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-AMD-20190221-00307** E E170169 HNS License Sub, LLC  
Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00894 for a description of this application.

SITE ID: 1

LOCATION: 4202 Coleman Street, Burleigh, Bismarck, ND  
46 ° 51 ' 7.20 " N LAT.

100 ° 46 ' 56.70 " W LONG.

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ANTENNA ID:	1	10 meters	SED	10.0 METER
	50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-AMD-20190221-00308** E E170158 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00883 for a description of this application.

SITE ID: 1

LOCATION: 1030 Central Ave, Yellowstone, Billings, MT

45 ° 46 ' 7.30 " N LAT.

108 ° 32 ' 29.00 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0M
	50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00309** E E170157 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00882 for a description of this application.

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SITE ID: 1  
LOCATION: 3850 Tower Rd, Pennington, Rapid City, SD  
44 ° 2 ' 51.10 " N LAT. 103 ° 14 ' 38.20 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0M
	50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

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**SES-AMD-20190221-00310** E E170151 HNS License Sub, LLC

Amendment

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No. SES-LIC-20170807-00876 for a description of this application.

SITE ID: 1  
LOCATION: 20845 NE Sockeye Place, Deschutes, Bend, OR  
44 ° 5 ' 10.60 " N LAT. 121 ° 17 ' 2.00 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
	50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
	27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-LIC-20170807-00876** E E170151 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 20845 NE Sockeye Place, Deschutes, Bend, OR  
 44 ° 5 ' 10.60 " N LAT. 121 ° 17 ' 2.00 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
	27500.0000 - 28000.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz		470MG7W -99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz		470MG7W 72.70 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz		470MG7W 72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-LIC-20170807-00877** E E170152 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 2050 Martin Avenue, Santa Clara, Santa Clara, CA  
 37 ° 21 ' 54.30 " N LAT. 121 ° 57 ' 41.20 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
	27500.0000 - 28000.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute

28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-LIC-20170807-00878** E E170153 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1

LOCATION: 2200 M St NW, Grant, Quincy, WA

47 ° 14 ' 43.40 " N LAT.

119 ° 48 ' 58.70 " W LONG.

ANTENNA ID: 1	10 meters	SED	10.0M
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00879** E E170154 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 1 Aerojet Way, Clark, North Las Vegas, NV  
 36 ° 14 ' 11.80 " N LAT. 115 ° 7 ' 5.50 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

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**SES-LIC-20170807-00880** E E170155 HNS License Sub, LLC  
 Application for Authority  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 10215 W Emerald Street, Ada, Boise, ID  
 43 ° 36 ' 27.50 " N LAT. 116 ° 18 ' 33.80 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00881** E E170156 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1

LOCATION: 1677 E Butler Ave, Coconino, Flagstaff, AZ

35 ° 11 ' 25.90 " N LAT.

111 ° 37 ' 55.80 " W LONG.

ANTENNA ID: 1	9.2 meters	General Dynamics	9.2 meter
27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00882** E E170157 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 3850 Tower Rd, Pennington, Rapid City, SD  
 44 ° 2 ' 53.10 " N LAT. 103 ° 14 ' 38.20 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0M
	27500.0000 - 28000.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz		470MG7W -99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz		470MG7W 72.70 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz		470MG7W 72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00883** E E170158 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 1030 Central Ave, Yellowstone, Billings, MT  
 45 ° 46 ' 7.30 " N LAT. 108 ° 32 ' 29.00 " W LONG.

ANTENNA ID:	1	10 meters	sed	10.0M
	27500.0000 - 28000.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute



28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00884** E E170159 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1

LOCATION: 201 Camino de la Merced, Taos, Taos, NM

36 ° 23 ' 16.00 " N LAT.

105 ° 35 ' 16.50 " W LONG.

ANTENNA ID: 1 10 meters SED 10.0M

27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00885** E E170160 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 1 Superloop Circle Suite 3, Storey, McCarren, NV  
 39 ° 30 ' 53.00 " N LAT. 119 ° 28 ' 46.00 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-LIC-20170807-00886** E E170161 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 1670 N Hwy 33, Teton, Driggs, ID  
 43 ° 44 ' 53.70 " N LAT. 111 ° 6 ' 51.20 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00887** E E170162 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1

LOCATION: 1135 East Pennsylvania St, Pima, Tucson, AZ

32 ° 10 ' 20.40 " N LAT.

110 ° 57 ' 17.50 " W LONG.

ANTENNA ID: 1 10 meters SED 10.0M

27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-LIC-20170807-00888** E E170163 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 4514 Ish Drive, Ventura, Simi Valley, CA  
 34 ° 16 ' 9.80 " N LAT. 118 ° 42 ' 12.80 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-LIC-20170807-00889** E E170164 HNS License Sub, LLC  
 Application for Authority  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 530 EchoStar Drive, Laramie, Cheyenne, WY  
 41 ° 7 ' 54.50 " N LAT. 104 ° 44 ' 15.20 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
	27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute

28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - EHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-LIC-20170807-00890** E E170165 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1

LOCATION: 333 S 520 W, Utah, Lindon, UT

40 ° 19 ' 58.10 " N LAT.

111 ° 43 ' 50.20 " W LONG.

ANTENNA ID: 1	9.2 meters	General Dynamics	9.2 meter
27500.0000 - 28000.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - EHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-LIC-20170807-00891** E E170166 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 235 E.21ST. STREET, Garfield, Rifle, CO  
 39 ° 32 ' 54.20 " N LAT. 107 ° 46 ' 53.90 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-LIC-20170807-00892** E E170167 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 575 South Madison Ave, Yuma, Yuma, AZ  
 32 ° 43 ' 0.00 " N LAT. 114 ° 37 ' 8.00 " W LONG.

ANTENNA ID:	1	9.2 meters	General Dynamics	9.2 meter
	27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute

28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - EHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-LIC-20170807-00893** E E170168 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1

LOCATION: 8404 El Way, Suite 1, Missoula, Missoula, MT

46 ° 56 ' 10.30 " N LAT.

114 ° 6 ' 53.90 " W LONG.

ANTENNA ID: 1	9.2 meters	General Dynamics	9.2 meter
27500.0000 - 28000.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
28100.0000 - 29100.0000 MHz	470MG7W	73.00 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	-99.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.00 dBW	M-ary PSK outroute

**Points of Communication:**

1 - EHOSTAR XXI (S3017) - (95.2 W.L.)

**SES-LIC-20170807-00894** E E170169 HNS License Sub, LLC

Application for Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 4202 Coleman Street, Burleigh, Bismarck, ND  
 46 ° 51 ' 7.20 " N LAT. 100 ° 46 ' 56.70 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
	27500.0000 - 28000.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute
	28100.0000 - 29100.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute
	40000.0000 - 42000.0000 MHz		470MG7W -99.00 dBW	M-ary PSK inroute
	47200.0000 - 50200.0000 MHz		470MG7W 72.70 dBW	M-ary PSK outroute
	50400.0000 - 51400.0000 MHz		470MG7W 72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXI (S3017) - (95.2 W.L.)

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**SES-LIC-20170807-00895** E E170170 HNS License Sub, LLC  
 Application for Authority  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

HNS filed amendments to 20 pending applications for authority to operate gateway earth stations to communicate with the EchoStar XXIV space station at 95.2° W.L.: IBFS File Nos. SES-AMD-20190221-00282 to -00285, SES-AMD-20190221-00288, SES-AMD-20190221-00293 to -00299, SES-AMD-20190221-00302 to -00305, SES-AMD-20190221-00307 to -00310. The amendments seek to permit the following changes to its proposed gateway operations: (1) add the 28.6-29.1 GHz (Earth-to-space) frequencies for FSS uplinks; (2) change the coordinates of the proposed gateway locations to the sites specified in Table 1, Exhibit 1, (3) increase the equivalent isotropic radiated power (EIRP) and EIRP density levels; and (4) increase the antenna size of 10 of the proposed gateways from 9.2-meters to 10-meters in diameter, as specified in Table 1, Exhibit 1. All other information previously provided in the pending applications remains unchanged including requested waivers of the Commission's rules: 47 C.F.R. §§ 25.130(b), 25.132(b)(1), 25.202(a), 25.203, 25.217(c)(3), 25.217(e), and a waiver of the twelve-month construction and bring-into-use requirement of section 25.133(a)(1). HNS includes an updated section 25.136 analysis for these applications and requests a waiver of section 25.136 in the following applications: SES-AMD-20190221-00299, SES-AMD-20190221-00302, SES-AMD-20190221-00305, and SES-AMD-20190221-00307. HNS's pending license applications were placed on public notice in Report No. SES-01998 (Oct. 11, 2017) and Report No. SES-02000 (Oct. 18, 2017).

SITE ID: 1  
 LOCATION: 1003 East State Farm Rd, Lincoln, North Platte, NE  
 41 ° 5 ' 26.80 " N LAT. 100 ° 45 ' 10.40 " W LONG.

ANTENNA ID:	1	10 meters	SED	10.0 METER
	27500.0000 - 28000.0000 MHz		470MG7W 73.70 dBW	M-ary PSK outroute



28100.0000 - 29100.0000 MHz	470MG7W	73.70 dBW	M-ary PSK outroute
40000.0000 - 42000.0000 MHz	470MG7W	0.00 dBW	M-ary PSK inroute
47200.0000 - 50200.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute
50400.0000 - 51400.0000 MHz	470MG7W	72.70 dBW	M-ary PSK outroute

**Points of Communication:**

1 - OTHER -

**SES-MFS-20190729-00994** E E110120 Intelsat License LLC

Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Intelsat License LLC requests modification of its fixed earth station in Hagerstown, MD to communicate with the Estrela Do Sul 2 satellite at the 63° W.L. orbital location, and with Permitted List satellites in the 13750-13770 MHz, 13770-13780 MHz and 13780-14000 MHz (Earth-to-space) frequency bands.

SITE ID: 1

LOCATION: 17625 Technology Blvd., WASHINGTON, Hagerstown, MD

39 ° 35 ' 59.00 " N LAT.

77 ° 45 ' 29.00 " W LONG.

ANTENNA ID: 1	4.8 meters	GDSATCOM	4.8MKPK
11700.0000 - 12200.0000 MHz	56K0G7W		DIGITAL VOICE DATA AND VIDEO
11700.0000 - 12200.0000 MHz	72M0G7W		DIGITAL VOICE DATA AND VIDEO
14000.0000 - 14500.0000 MHz	56K0G7W	52.70 dBW	DIGITAL VOICE DATA AND VIDEO
14000.0000 - 14500.0000 MHz	36M0G7W	80.70 dBW	DIGITAL VOICE DATA AND VIDEO
13750.0000 - 13770.0000 MHz	20M0G7W	78.19 dBW	DIGITAL VOICE DATA AND VIDEO
13750.0000 - 13770.0000 MHz	2M00G7W	68.19 dBW	DIGITAL VOICE DATA AND VIDEO
13770.0000 - 13780.0000 MHz	10M0G7W	73.22 dBW	DIGITAL VOICE DATA AND VIDEO
13780.0000 - 14000.0000 MHz	2M00G7W	68.19 dBW	DIGITAL VOICE DATA AND VIDEO
13780.0000 - 14000.0000 MHz	36M0G7W	80.74 dBW	DIGITAL VOICE DATA AND VIDEO

**Points of Communication:**

1 - ESTRELA DO SUL 2 - (63 W.L.)

1 - NSS-7 (S2854) - (20 W.L.)

1 - PERMITTED LIST - ()

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**SES-MOD-20180821-02252** E E980066 AT&T Corp.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

AT&T Corp. requests modification of its fixed earth station in Malibu, CA to replace the the antenna and to correct the geographic coordinates to communicate with the Permitted List satellites in the 13750-14000 MHz and 14000-14500 MHz (Earth-to-space) and 10750-11700 MHz and 11700-12200 MHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: 1700 SOUTH BARDMAN AVE., LOS ANGELES, MALIBU, CA

34 ° 4 ' 53.00 " N LAT.

118 ° 53 ' 49.30 " W LONG.

ANTENNA ID:	9M	9 meters	VERTEX	9KPK	
	5925.0000 - 6425.0000 MHz		38M9G7W	78.47 dBW	DIGITAL VIDEO
	5850.0000 - 5925.0000 MHz		38M9G7W	78.27 dBW	DIGITAL VIDEO via INTELSAT & New Skies only
	3700.0000 - 4200.0000 MHz		36M0F8F		Analog TV
	3700.0000 - 4200.0000 MHz		38M9G7W		DIGITAL VIDEO
	3625.0000 - 3700.0000 MHz		38M9G7W		DIGITAL VIDEO
	10750.0000 - 11700.0000 MHz		36M0G9W		DIGITAL VIDEO
	11700.0000 - 12200.0000 MHz		36M0G9W		VOICE, DATA, QPSK, 8PSK
	13750.0000 - 14000.0000 MHz		36M0G9W	84.67 dBW	VOICE, DATA, QPSK, 8PSK, FEC 3/4, FEC 7/8
	14000.0000 - 14500.0000 MHz		36M0G9W	84.87 dBW	VOICE, DATA, QPSK, 8PSK, FEC 3/4, FEC 7/8

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-MOD-20181015-03665** E E080231 L3 IEC

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

L3 IEC requests modification of its fixed earth station in Cape Canaveral AFB, FL to: (1) change site information; (2) change and add new emission designators; (3) changed the points of communication from ALSAT to Permitted List satellites and increase EIRP and EIRP density. This station will continue to operate in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: 10400 PHILIPS PARKWAY BUILDING 18900, BREVARD, CAPE CANAVERAL AFB, FL

28 ° 23 ' 48.61 " N LAT.

80 ° 36 ' 20.37 " W LONG.

ANTENNA ID:	MOC East	3.8 meters	PATRIOT	380AZ
	14000.0000 - 14500.0000 MHz	64K0G7W	51.54 dBW	Digital Traffic, Various Data Rates, Various FEC, Various Information Types
	14000.0000 - 14500.0000 MHz	4M96G7W	64.54 dBW	Digital Traffic, Various Data Rates, Various FEC, Various Information Types
	11700.0000 - 12200.0000 MHz	64K0G7W		Digital Traffic, Various Data Rates, Various FEC, Various Information Types
	11700.0000 - 12200.0000 MHz	4M96G7W		Digital Traffic, Various Data Rates, Various FEC, Various Information Types
ANTENNA ID:	MOC West	3.8 meters	PATRIOT	380AZ
	14000.0000 - 14500.0000 MHz	64K0G7W	51.54 dBW	Digital Traffic, Various Data Rates, Various FEC, Various Information Types
	14000.0000 - 14500.0000 MHz	4M96G7W	64.54 dBW	Digital Traffic, Various Data Rates, Various FEC, Various Information Types
	11700.0000 - 12200.0000 MHz	64K0G7W		Digital Traffic, Various Data Rates, Various FEC, Various Information Types
	11700.0000 - 12200.0000 MHz	4M96G7W		Digital Traffic, Various Data Rates, Various FEC, Various Information Types

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-MOD-20181030-03723** E E070069 GCI Communication Corp.

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

GCI Communication Corp. requests modification of its fixed earth station in Gustavus, AK to correct its coordinates and to increase its western azimuth angle limit in order to continue to provide services to its customers with a replacement satellite. This station will continue to operate with the Permitted List satellites in the 3700-4200 MHz (space-to-Earth), and 5925-6425 MHz (Earth-to-space) frequency bands.

SITE ID: 1

LOCATION: Gustavus, AK

58 ° 25 ' 6.70 " N LAT.

135 ° 42 ' 28.20 " W LONG.

ANTENNA ID:	1	3.8 meters	Patriot	TXINT-380AZ
	5925.0000 - 6425.0000 MHz	45K0G7W-	48.11 dBW	Phase modulated voice, video, and data services.
	5925.0000 - 6425.0000 MHz	108MG7W	72.32 dBW	Phase modulated voice, video, and data services.
	5925.0000 - 6425.0000 MHz	45K0D7W-	48.11 dBW	Phase and amplitude modulated voice, video, and data service

5925.0000 - 6425.0000 MHz	108MD7W	72.32 dBW	Phase and amplitude modulated voice, video, and data service
3700.0000 - 4200.0000 MHz	45K0G7W-	0.00 dBW	Phase modulated voice, video, and data services.
3700.0000 - 4200.0000 MHz	108MG7W		Phase modulated voice, video, and data services.
3700.0000 - 4200.0000 MHz	45K0D7W-		Phase and amplitude modulated voice, video, and data service
3700.0000 - 4200.0000 MHz	108MD7W		Phase and amplitude modulated voice, video, and data service

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-MOD-20190207-00084** E E100088 O3b Limited

Application for Modification

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

O3b Limited requests modification of Haleiwa, HI gateway earth station to add the 19.3-20.2 GHz band for downlink operations and the 27.5-27.6 GHz, 28.4-28.6 GHz, and 29.1-30.0 GHz bands for uplink operations, to communicate with new O3b satellites authorized in its Market Access Grant, 33 FCC Rcd 5508 (2018). O3b requests grandfathered status for this earth station to operate in the 27.5-27.6 GHz band without providing interference protection to stations in the Upper Microwave Flexible Use Service under section 25.136, or a waiver of this rule in the alternative.

**SITE ID:** 1

**LOCATION:** 58-350 Kamehameha Hwy (Hawaii Gateway), Honolulu, Haleiwa, HI  
21 ° 40 ' 17.80 " N LAT. 158 ° 1 ' 54.90 " W LONG.

<b>ANTENNA ID:</b> Ant 1-4	7.3 meters	Viasat	MEO7
29087.8000 - 29089.1000 MHz	500KG2D	85.14 dBW	TT&C
28600.0000 - 29100.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28600.0000 - 29100.0000 MHz	40M0G7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28600.0000 - 29100.0000 MHz	216MG7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27600.0000 - 28400.0000 MHz	307KG7D	52.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27600.0000 - 28400.0000 MHz	216MX7D	87.29 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19296.2000 - 19299.9000 MHz	300KG1D	0.00 dBW	TT&C

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18800.0000 - 19300.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
18800.0000 - 19300.0000 MHz	40M0G7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
18800.0000 - 19300.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
17800.0000 - 18600.0000 MHz	307KG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
17800.0000 - 18600.0000 MHz	216MG7D	0.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
29500.0000 - 30000.0000 MHz	40M0G7D	79.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
29500.0000 - 30000.0000 MHz	216MG7D	79.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
29100.0000 - 29500.0000 MHz	216MG7D	78.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28400.0000 - 28600.0000 MHz	40M0G7D	75.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
28400.0000 - 28600.0000 MHz	216MG7D	75.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27500.0000 - 27600.0000 MHz	40M0G7D	72.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
27500.0000 - 27600.0000 MHz	216MG7D	72.00 dBW	DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19700.0000 - 20200.0000 MHz	40M0G7D		DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19700.0000 - 20200.0000 MHz	216MG7D		DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link
19300.0000 - 19700.0000 MHz	216MG7D		DVB-S2 (QPSK, 8APSK, 16APSK, 32APSK); Digital Data Link

**Points of Communication:**

1 - O3B-A (S2935) - (NGSO)

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**SES-REG-20180910-04257** E E190588 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 2725 North Hwy. 50, Johnson, Tecumseh, NE  
40 ° 24 ' 0.63 " N LAT. 96 ° 10 ' 5.88 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180910-04258** E E190589 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 701 Sanderson Road, Norfolk, Chesapeake, VA  
36 ° 36 ' 34.47 " N LAT. 76 ° 11 ' 1.68 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180910-04259** E E190590 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: State Route 629, Buchanan, Oakwood, VA  
37 ° 13 ' 20.59 " N LAT. 81 ° 58 ' 46.53 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20180910-04260** E E190591 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 329 Delbrook Lane, Grayson, Independence, VA

36 ° 36 ' 55.25 " N LAT.

81 ° 7 ' 29.93 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20180910-04261** E E190592 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 110 Wright Street, Smyth, Marion, VA

36 ° 49 ' 50.06 " N LAT.

81 ° 30 ' 27.66 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

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1 - PERMITTED LIST - ()

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**SES-REG-20180910-04262** E E190593 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 40 Pipin Road, Weston, Newcastle, WY  
43 ° 52 ' 37.93 " N LAT. 104 ° 11 ' 6.88 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 3 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180910-04263** E E190594 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 6900 Courthouse Road, Chesterfield, Chesterfield, VA  
37 ° 24 ' 11.56 " N LAT. 77 ° 33 ' 46.31 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180910-04274** E E190605 Benny Carle Broadcasting, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 525 East Tennessee Street, Laurderdale, Florence, AL  
34 ° 48 ' 11.50 " N LAT. 87 ° 40 ' 11.30 " W LONG.

ANTENNA ID: One 4.5 meters Prodelin / General Dynamics 1451

3700.0000 - 4200.0000 MHz 36M0G7W Digital modulation of media content at varying data rates and FEC



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**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180910-04275** E E190606 Buford Satellite Systems. L.P.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 18155 A.L. Philpott Hwy. (Patrick Henry #28), Henry, Ridgeway, VA  
36 ° 37 ' 22.27 " N LAT. 79 ° 57 ' 20.52 " W LONG.

ANTENNA ID:	Patrickhe1	3.7 meters	Prodelin	Unk
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
ANTENNA ID:	Patrickhe2	3.7 meters	Prodelin	Unk
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
ANTENNA ID:	Patrickhe3	3.7 meters	Prodelin	Unk
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180910-04276** E E190607 Gray Television Licensee, LLC

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: KSTF

LOCATION: 3385 N. 10th Street, Gering, NE  
41 ° 50 ' 41.53 " N LAT. 103 ° 39 ' 39.48 " W LONG.

ANTENNA ID:	KSTF 1	3 meters	Antennas for Communications	PR-10
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL
ANTENNA ID:	KSTF 2	3 meters	Prodelin Antennas	1304
	3700.0000 - 4200.0000 MHz		36M0G7W	NULL

**Points of Communication:**

KSTF - PERMITTED LIST - ()

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**SES-REG-20180911-04310** E E190629 Michigan Cable Partners, Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1394 Newell Street, Newaygo, White Cloud, MI

43 ° 32 ' 59.00 " N LAT.

85 ° 46 ' 10.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Patroit	3.8 Commercial Anten
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Modulation and Services Analog and Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180911-04316** E E190635 Hearst Properties Inc.

Registration

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 1300 Columbia Avenue (WGAL), Lancaster, Lancaster, PA

40 ° 2 ' 12.40 " N LAT.

76 ° 20 ' 19.40 " W LONG.

ANTENNA ID:	1	5 meters	Scientific Atlanta	5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	2	4.5 meters	Scientific Atlanta	4.5 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	3	3 meters	Harris	3 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	4	8.8 meters	Harris	8.8 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	5	3.6 meters	RCA Americom	3.6 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data
ANTENNA ID:	6	3.8 meters	Patriot	3.8 meter
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital video, audio, data

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ANTENNA ID: 7                      3.1 meters              Patriot                                      3.1 meter  
3700.0000 - 4200.0000 MHz                      36M0G7W                                      Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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~~SES-REG-20180911-04317~~    E E190636    Hearst Properties Inc.

Registration

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Fixed Satellite Service

SITE ID:                      1

LOCATION:                    1320 Tower Road (WGAL), York, Hellam, PA

40 ° 2 ' 4.70 " N LAT.

76 ° 37 ' 7.90 " W LONG.

ANTENNA ID: 1                      3 meters                      Odom Antennas                                      3 meter

3700.0000 - 4200.0000 MHz                      36M0G7W                                      Digital video, audio, data

**Points of Communication:**

1 - PERMITTED LIST - ()

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For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.