The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-REG-20180828-04112  E190419  Centennial Broadcasting II, LLC
Registration  08/28/2018 - 08/28/2033  Date Effective: 09/03/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 520 N Pleasant Valley Road, Frederick, Winchester, VA
  39 ° 11 ' 17.10 " N LAT.
  78 ° 9 ' 6.20 " W LONG.
ANTENNA ID: 3.8M.  3.8 meters  Patriot  3.8 meter
  3700.0000 - 4200.0000 MHz  36M0G7W  Digital
Points of Communication:
  1 - PERMITTED LIST - ()

SES-REG-20180829-04129  E190436  QUEENB RADIO WISCONSIN INC
Registration  08/29/2018 - 08/29/2033  Date Effective: 09/03/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 51 Means Drive (WGLR Radio Studios), Grant, Platteville, WI
42°43′45.00″ N LAT. 90°27′5.00″ W LONG.

ANTENNA ID: ANT 1 2.8 meters Scientific Atlanta 2.8
3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio

ANTENNA ID: ANT 2-3 3.8 meters Comtech 3.8 TVRO
3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio

Points of Communication:

1 - PERMITTED LIST - ( )

<table>
<thead>
<tr>
<th>ID</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<tr>
<td>E190484</td>
<td>09/03/2018 - 09/03/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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SITE ID: 1
LOCATION: 3755 KARICIO LN STE 2-C (KPPV Studio), AZ, PRESCOTT, AZ
34°32′44.70″ N LAT. 112°23′51.20″ W LONG.

ANTENNA ID: Main Dish 3.7 meters Dawnco. D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog video with associated subcarriers.

Points of Communication:

1 - PERMITTED LIST - ( )

<table>
<thead>
<tr>
<th>ID</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<tr>
<td>E190395</td>
<td>09/06/2018 - 09/06/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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SITE ID: 1
LOCATION: TWR 1 - 2500 W 3700 S (KANN C-Band Rec), Weber, Syracuse, UT
41°3′34.80″ N LAT. 112°4′13.20″ W LONG.

ANTENNA ID: Prod1374 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 300KG7W Digital Audio and Data

Points of Communication:
### Class of Station:
Fixed Earth Stations

### Nature of Service:
Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 20991 FM 15 (KTYK), Cherokee, Troupe, TX  
32° 9' 7.00" N LAT.  
95° 3' 27.00" W LONG.

**ANTENNA ID:** 3.8M.  3.8 meters  Prodelin  1380

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Equipment</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30K0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F7W</td>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30K0F7W</td>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td></td>
</tr>
</tbody>
</table>

### Points of Communication:

### Class of Station:
Fixed Earth Stations

### Nature of Service:
Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 49 University Road (WGZS Studio), Carlton, Cloquet, MN  
46° 42' 38.60" N LAT.  
92° 30' 46.40" W LONG.

**ANTENNA ID:** WGZS Dish  3.8 meters  Comtech  3.8METER

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Equipment</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital audio and video services.</td>
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</tr>
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### Points of Communication:

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**Date Effective:** 09/03/2019  
**Grant of Authority:** 09/28/2018 - 09/28/2033  
**Registration Date:** 09/28/2018  
**Grant Date:** 09/28/2018  
**Expiration Date:** 09/28/2033  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**Site Location:** 20991 FM 15 (KTYK), Cherokee, Troupe, TX  
32° 9' 7.00" N LAT.  
95° 3' 27.00" W LONG.  
**Antenna ID:** 3.8M.  3.8 meters  Prodelin  1380  
**Service Details:** Digital traffic, various FEC, data rates and modulation  
**Points of Communication:**  

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**Date Effective:** 09/03/2019  
**Grant of Authority:** 10/11/2018 - 10/11/2033  
**Registration Date:** 10/11/2018  
**Grant Date:** 10/11/2018  
**Expiration Date:** 10/11/2033  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**Site Location:** 49 University Road (WGZS Studio), Carlton, Cloquet, MN  
46° 42' 38.60" N LAT.  
92° 30' 46.40" W LONG.  
**Antenna ID:** WGZS Dish  3.8 meters  Comtech  3.8METER  
**Service Details:** Digital audio and video services.  
**Points of Communication:**  

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Page 3 of 12
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 520 N Center Street, McLean, Bloomington, IL
40 ° 28 ' 59.00 " N LAT. 88 ° 59 ' 43.10 " W LONG.

ANTENNA ID: WWHX Dish 3.8 meters Prodelin 1383

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and video services

Points of Communication:
1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

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

SITE ID: 1
LOCATION: 1802 BRIARCLIFF ROAD, DEKALB, ATLANTA, GA
33 ° 48 ' 25.00 " N LAT. 84 ° 20 ' 28.00 " W LONG.

ANTENNA ID: 11.8M 11.8 meters COMTECH ESA-4

5925.0000 - 6425.0000 MHz 8M00G7F 74.60 dBW DIGITAL TV
5925.0000 - 6425.0000 MHz 36M0F8F 79.40 dBW
5925.0000 - 6425.0000 MHz 1M77G7D 57.10 dBW DIGTL DATA
5925.0000 - 6425.0000 MHz 65K0G7D 42.80 dBW DIGTL DATA
3700.0000 - 4200.0000 MHz 8M00G7F DIGITAL TV
3700.0000 - 4200.0000 MHz 36M0F8F ANALOG TV
3700.0000 - 4200.0000 MHz 1M77G7D DIGTL DATA
3700.0000 - 4200.0000 MHz 65K0G7D DIGTL DATA

ANTENNA ID: 2 9.2 meters SATCOM TECH INC 920CS

5925.0000 - 6425.0000 MHz 8M00G7F 74.60 dBW DIGITAL TV

Page 4 of 12
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>ID</th>
<th>Power</th>
<th>Service Type</th>
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<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>36M0F8F</td>
<td>77.00 dBW</td>
<td>DIGITAL DATA</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>1M77G7D</td>
<td>57.10 dBW</td>
<td>DIGITAL DATA</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>65K0G7D</td>
<td>42.80 dBW</td>
<td>DIGITAL DATA</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>8M00G7F</td>
<td>DIGITAL TV</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F8F</td>
<td>ANALOG TV</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>1M77G7D</td>
<td>DIGITAL DATA</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>65K0G7D</td>
<td>DIGITAL DATA</td>
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**Points of Communication:**

1. PERMITTED LIST - ()

**SES-BNL-20190815-01052**

<table>
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<tr>
<th>SES-BNL-20190815-01052</th>
<th>E7642</th>
<th>NBC Telemundo License LLC</th>
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<td>Renewal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant of Authority</td>
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<td></td>
</tr>
<tr>
<td>Date Effective</td>
<td>08/27/2019</td>
<td></td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:**

45° 37’ 19.00” N LAT.

89° 24’ 34.00” W LONG.

**ANTENNA ID:** 1

6.1 meters

<table>
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<tr>
<th>Frequency Range</th>
<th>ID</th>
<th>Power</th>
<th>Service Type</th>
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<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0G7W</td>
<td>78.60 dBW</td>
<td>DIGITAL COMPRESSED VIDEO</td>
</tr>
<tr>
<td>Site ID</td>
<td>Location</td>
<td>LAT/Long</td>
<td>Antenna ID</td>
</tr>
<tr>
<td>--------</td>
<td>----------</td>
<td>----------</td>
<td>------------</td>
</tr>
<tr>
<td>1</td>
<td>1391 North Road, BROWN, GREEN BAY, WI</td>
<td>44° 29' 27.03&quot; N</td>
<td>6.1 meters</td>
</tr>
<tr>
<td></td>
<td>1391 North Road, BROWN, GREEN BAY, WI</td>
<td>44° 29' 27.03&quot; N</td>
<td>6.1 meters</td>
</tr>
<tr>
<td></td>
<td>300 SOUTH BYRNE ROAD (WNWO), LUCAS, TOLEDO, OH</td>
<td>41° 37' 58.94&quot; N</td>
<td>6.1 meters</td>
</tr>
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</table>
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3514 STATE STREET (WICU), ERIE, ERIE, PA
42° 6' 16.00" N LAT. 80° 4' 9.00" W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 329 MT. HOPE AVENUE, PENOBSCOT, BANGOR, ME
44° 49' 1.00" N LAT. 68° 45' 14.00" W LONG.

ANTENNA ID: 1 8 meters HARRIS 5349

14000.0000 - 14500.0000 MHz 36M0G7W 80.70 dBW DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
### SITE ID: 1
LOCATION: 1950 N. MERIDIAN ST., KENT, GRAND RAPIDS, MI
42 ° 57 ’ 39.00 ” N LAT. 85 ° 39 ’ 22.00 ” W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO

11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

### Points of Communication:
1 - PERMITTED LIST - ( )

**SES–RWL–20190819–01059** E KA434 Global Eagle Telecom Licensing Subsidiary LLC

Renewal 10/25/2019 - 10/25/2034
Grant of Authority Date Effective: 08/30/2019

Class of Station: Fixed Earth Stations

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

### SITE ID: 1
LOCATION: 200 TELEGRAPH HILL ROAD, MONMOUTH, HOLMDEL, NJ
40 ° 23 ’ 42.00 ” N LAT. 74 ° 10 ’ 25.00 ” W LONG.

ANTENNA ID: 16.4M 16.4 meters VERTEX 16.4THC

5925.0000 - 6425.0000 MHz 36M0G7W 85.60 dBW QPSK - DIGITAL, VOICE AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W QPSK - DIGITAL, VOICE AND DATA

### Points of Communication:
1 - PERMITTED LIST - ( )

**SES–RWL–20190821–01073** E E7698 NBC Telemundo License LLC

Renewal 09/28/2019 - 09/28/2034
Grant of Authority Date Effective: 08/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

### SITE ID: 1
LOCATION: 500 AMERICAN ROAD (WILX), INGHAM, LANSING, MI
42 ° 39 ’ 43.66 ” N LAT. 84 ° 32 ’ 57.08 ” W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO

11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO
Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
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<th>Points of Communication:</th>
<th>1 - PERMITTED LIST - ()</th>
</tr>
</thead>
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<tr>
<td><strong>SES-RWL-20190821-01074</strong></td>
<td>E7699 NBC Telemundo License LLC</td>
</tr>
<tr>
<td><strong>Renewal Grant of Authority</strong></td>
<td>09/28/2019 - 09/28/2034</td>
</tr>
<tr>
<td><strong>Class of Station:</strong> Fixed Earth Stations</td>
<td></td>
</tr>
<tr>
<td><strong>Nature of Service:</strong> Fixed Satellite Service</td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** 1
**LOCATION:** 1501 1ST AVENUE, KING, SEATTLE, WA
47° 35' 23.40" N LAT. 122° 20' 5.10" W LONG.

**ANTENNA ID:** 1 6.1 meters ASC SIGNAL
**ES56-1**

<table>
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<tr>
<th>Frequency Range</th>
<th>Power (dBW)</th>
<th>Modulation</th>
<th>Bandwidth</th>
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<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>69.64 dBW</td>
<td>PHASE MODULATED DIGITAL VIDEO, AUDIO AND DATA</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>70.39 dBW</td>
<td>PHASE MODULATED DIGITAL VIDEO, AUDIO AND DATA</td>
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</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>0.00 dBW</td>
<td>PHASE MODULATED DIGITAL VIDEO, AUDIO AND DATA</td>
<td></td>
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</table>

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Points of Communication:</th>
<th>1 - PERMITTED LIST - ()</th>
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</thead>
<tbody>
<tr>
<td><strong>SES-RWL-20190821-01084</strong></td>
<td>E7700 NBC Telemundo License LLC</td>
</tr>
<tr>
<td><strong>Renewal Grant of Authority</strong></td>
<td>09/28/2019 - 09/28/2034</td>
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<tr>
<td><strong>Class of Station:</strong> Fixed Earth Stations</td>
<td></td>
</tr>
<tr>
<td><strong>Nature of Service:</strong> Fixed Satellite Service</td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** 1
**LOCATION:** 500 EAST 4TH STREET, BLACKHAWK, WATERLOO, IA
42° 30' 3.00" N LAT. 92° 19' 54.00" W LONG.

**ANTENNA ID:** 1 6.1 meters HARRIS
**5346**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power (dBW)</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>78.60 dBW</td>
<td>DIGITAL COMPRESSED VIDEO</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>78.60 dBW</td>
<td>DIGITAL COMPRESSED VIDEO</td>
</tr>
<tr>
<td>Permit Number</td>
<td>Class of Station</td>
<td>Nature of Service</td>
</tr>
<tr>
<td>---------------</td>
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<tr>
<td>SES-RWL-20190821-01085</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>SES-RWL-20190826-01104</td>
<td>Fixed Earth Stations</td>
<td>Domestic Fixed Satellite Service, International Fixed Satellite Service</td>
</tr>
</tbody>
</table>
On August 30, 2019, SES Americom, Inc. was granted special temporary authority for 60 days, beginning August 30, 2019, to operate its fixed earth station in Haleiwa, HI to communicate with the NSS-11 (S3037) satellite at the 176° E.L orbital location in the 14-14.5 GHz (Earth-to-space) and 12.25-12.75 GHz (space-to-Earth) frequency bands.

On August 30, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 20, 2019, to operate its fixed earth station in Togiak, AK to support the Federal Aviation Administration’s (FAA) Alaska Satellite Telecommunications Infrastructure (ASTI) program to provide critical U.S. aviation communications services in rural Alaska exclusively to the FAA with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.7° W.L. orbital location in the 5925-6425 MHz (Earth-to-space), and 3700-4200 MHz (space-to-Earth) frequency bands.

On August 27, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 6, 2019, to operate a 4.5-meter antenna fixed earth station in Iliamna, AK with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) 3700-4200 MHz (space-to-Earth), and frequency bands.

On August 27, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 13, 2019, to operate a 4.5-meter antenna fixed earth station in Cape Yakataga, AK with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) 3700-4200 MHz (space-to-Earth), and frequency bands.

On August 27, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 6, 2019, to operate a 4.5-meter antenna fixed earth station in Iliamna, AK with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) 3700-4200 MHz (space-to-Earth), and frequency bands.

On August 27, 2019, DIRECTV Enterprises, LLC was granted special temporary authority for 60 days, beginning September 13, 2019, to operate a 4.5-meter antenna fixed earth station in Cape Yakataga, AK with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 5925-6425 MHz (Earth-to-space) 3700-4200 MHz (space-to-Earth), and frequency bands.
On September 3, 2019, DIRECTV Enterprises, LCC (DIRECTV) was granted special temporary authority for 30 days, beginning September 10, 2019, to operate its fixed earth station in Bakersfield, CA to deorbit its T4S (S2430) satellite at the nominal 101° W.L. orbital location using the following frequencies, 17.3-17.8 GHz (Earth-to-space) and 12.2-12.7 GHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20190819–01064</th>
<th>E930320</th>
<th>Comsat, Inc.</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 08/30/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On September 3, 2019, SpeedCast Communications Inc. was granted special temporary authority for 30 days, beginning September 3, 2019, to operate a 2.4-meter Intellian V240MT earth station on a stationary drillship docked at a port in Mobile, AL with the Galaxy 12 (S2422) satellite at the 129° W.L. orbital location in the 5925.0-5989.5 MHz (Earth-to-space), 6167.75-6241.54 MHz (Earth-to-space), 6271.54-6330.49 MHz (Earth-to-space) and 6360.49-6389.79 MHz (Earth-to-space) MHz frequency bands for transmit-only operations to support onboard personnel while the vessel is temporarily docked in the Port of Mobile.

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20190827–01123</th>
<th>E090176</th>
<th>SpeedCast Communications Inc</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 09/03/2019</td>
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</table>

Class of Station:

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