



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
45 L STREET NE  
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Report No. SES-02532

Wednesday January 11, 2023

## Satellite Communications Services Information re: Actions Taken

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-ASG-20220913-00976** E E060150 Carol L Ives ( d/b/a IVECO )

Application for Consent to Assignment

Grant of Authority

Date Effective: 01/10/2023

**Current Licensee:** Carol L Ives

**FROM:** Carol L. Ives

**TO:** Omnibus Media Partners, LLC

No. of Station(s) listed: 2

**SES-LIC-20220520-00584** E E220092 Thales Avionics, Inc.

Application for Authority

01/09/2023 - 01/09/2038

Grant of Authority

Date Effective: 01/09/2023

**Class of Station:** Other

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

**SITE ID:** AES2

**LOCATION:** CONUS

| ANTENNA ID: | AES2                        | 0.433 meters | ThinKom | KA2517                |                       |
|-------------|-----------------------------|--------------|---------|-----------------------|-----------------------|
|             | 18300.0000 - 18800.0000 MHz |              | 212MG7W | Digital Data Services |                       |
|             | 19700.0000 - 20200.0000 MHz |              | 212MG7W | Digital Data Services |                       |
|             | 29300.0000 - 30000.0000 MHz |              | 10M2G7W | 49.60 dBW             | Digital Data Services |
|             | 29300.0000 - 30000.0000 MHz |              | 15M4G7W | 49.60 dBW             | Digital Data Services |
|             | 29300.0000 - 30000.0000 MHz |              | 5M12G7W | 49.60 dBW             | Digital Data Services |

|                             |         |                       |
|-----------------------------|---------|-----------------------|
| 17800.0000 - 18300.0000 MHz | 212MG7W | Digital Data Services |
| 19300.0000 - 19400.0000 MHz | 212MG7W | Digital Data Services |
| 19600.0000 - 19700.0000 MHz | 212MG7W | Digital Data Services |

**Points of Communication:**

AES2 - SES-17(S3043) - (67.1 W. L.)

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**SES-LIC-20220823-00900** E E220126 Shell Communications, Inc.  
 Application for Authority 01/09/2023 - 01/09/2038  
 Grant of Authority Date Effective: 01/09/2023

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: GB 128 ENCHILADA  
 LOCATION: GULF OF MEXICO, GULF OF MEXICO  
 27 ° 52 ' 18.60 " N LAT. 91 ° 59 ' 6.60 " W LONG.

| ANTENNA ID:               | 1       | 2.4 meters | ASC SIGNAL             | 243 |
|---------------------------|---------|------------|------------------------|-----|
| 3700.0000 - 4200.0000 MHz | 2M03G7W | 0.00 dBW   | DIGITAL DATA AND VIDEO |     |
| 3700.0000 - 4200.0000 MHz | 4M30G7W | 0.00 dBW   | DIGITAL DATA AND VIDEO |     |
| 5925.0000 - 5989.3250 MHz | 2M03G7W | 52.70 dBW  | DIGITAL DATA AND VIDEO |     |
| 5925.0000 - 5989.3250 MHz | 4M30G7W | 52.70 dBW  | DIGITAL DATA AND VIDEO |     |
| 6360.6650 - 6425.0000 MHz | 2M03G7W | 52.70 dBW  | DIGITAL DATA AND VIDEO |     |
| 6360.6650 - 6425.0000 MHz | 4M30G7W | 52.70 dBW  | DIGITAL DATA AND VIDEO |     |
| 6108.6200 - 6241.3650 MHz | 2M03G7W | 52.70 dBW  | DIGITAL DATA AND VIDEO |     |
| 6108.6200 - 6241.3650 MHz | 4M30G7W | 52.70 dBW  | DIGITAL DATA AND VIDEO |     |

**Points of Communication:**

GB 128 ENCHILADA - PERMITTED LIST - ()

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**SES-LIC-20220823-00905** E E220128 Shell Communications, Inc.  
 Application for Authority 01/09/2023 - 01/09/2038  
 Grant of Authority Date Effective: 01/09/2023

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: GB 172 SALSA  
 LOCATION: GULF OF MEXICO, OFFSHORE  
 27 ° 50 ' 25.20 " N LAT. 91 ° 59 ' 15.60 " W LONG.

| ANTENNA ID: | SALSA                     | 2.4 meters | ASC SIGNAL        | 243                    |
|-------------|---------------------------|------------|-------------------|------------------------|
|             | 3700.0000 - 4200.0000 MHz |            | 2M03G7W 0.00 dBW  | DIGITAL DATA AND VIDEO |
|             | 3700.0000 - 4200.0000 MHz |            | 4M30G7W 0.00 dBW  | DIGITAL DATA AND VIDEO |
|             | 5925.0000 - 5989.3250 MHz |            | 2M03G7W 52.70 dBW | DIGITAL DATA AND VIDEO |
|             | 5925.0000 - 5989.3250 MHz |            | 4M30G7W 52.70 dBW | DIGITAL DATA AND VIDEO |
|             | 6360.6650 - 6425.0000 MHz |            | 2M03G7W 52.70 dBW | DIGITAL DATA AND VIDEO |
|             | 6360.6650 - 6425.0000 MHz |            | 4M30G7W 52.70 dBW | DIGITAL DATA AND VIDEO |
|             | 6108.6200 - 6241.3650 MHz |            | 2M03G7W 52.70 dBW | DIGITAL DATA AND VIDEO |
|             | 6108.6200 - 6241.3650 MHz |            | 4M30G7W 52.70 dBW | DIGITAL DATA AND VIDEO |

**Points of Communication:**

GB 172 SALSA - PERMITTED LIST - ()

**SES-LIC-20220915-00989** E E220144 WML Services, LLC  
 Application for Authority 01/09/2023 - 01/09/2038  
 Grant of Authority Date Effective: 01/09/2023

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

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NT-7 LA1  
 LOCATION:

| ANTENNA ID: | #7                          | 2.4 meters | AVL Technologies  | 2410                               |
|-------------|-----------------------------|------------|-------------------|------------------------------------|
|             | 11700.0000 - 12200.0000 MHz |            | 36M0G7F 0.00 dBW  | Compressed Digital Video and Audio |
|             | 11700.0000 - 12200.0000 MHz |            | 4M00G7F 0.00 dBW  | Compressed Digital Video and Audio |
|             | 14000.0000 - 14500.0000 MHz |            | 36M0G7F 73.82 dBW | Compressed Digital Video and Audio |
|             | 14000.0000 - 14500.0000 MHz |            | 4M00G7F 64.28 dBW | Compressed Digital Video and Audio |

**Points of Communication:**

WML - NT-7 LA1 - PERMITTED LIST - ()

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**SES-LIC-20220915-00990** E E220145 WML Services, LLC  
Application for Authority  
Grant of Authority

01/09/2023 - 01/09/2038  
Date Effective: 01/09/2023

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

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NS-2 OH  
LOCATION:

|             |                             |            |                  |                                    |
|-------------|-----------------------------|------------|------------------|------------------------------------|
| ANTENNA ID: | NS-2                        | 2.4 meters | AVL Technologies | 2400                               |
|             | 11700.0000 - 12200.0000 MHz | 36M0G7F    | 0.00 dBW         | Compressed Digital Video and Audio |
|             | 11700.0000 - 12200.0000 MHz | 4M00G7F    | 0.00 dBW         | Compressed Digital Video and Audio |
|             | 14000.0000 - 14500.0000 MHz | 36M0G7F    | 73.82 dBW        | Compressed Digital Video and Audio |
|             | 14000.0000 - 14500.0000 MHz | 4M00G7F    | 64.28 dBW        | Compressed Digital Video and Audio |

**Points of Communication:**

WML - NS-2 OH - PERMITTED LIST - ()

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**SES-LIC-20220915-00995** E E220147 WML Services, LLC  
Application for Authority  
Grant of Authority

01/09/2023 - 01/09/2038  
Date Effective: 01/09/2023

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

**Nature of Service:** Fixed Satellite Service

SITE ID: WML - NT-7 DC3  
LOCATION:

|             |                             |            |                  |                                    |
|-------------|-----------------------------|------------|------------------|------------------------------------|
| ANTENNA ID: | #1                          | 2.4 meters | AVL Technologies | 2400                               |
|             | 11700.0000 - 12200.0000 MHz | 36M0G7F    | 0.00 dBW         | Compressed Digital Video and Audio |
|             | 11700.0000 - 12200.0000 MHz | 4M00G7F    | 0.00 dBW         | Compressed Digital Video and Audio |
|             | 14000.0000 - 14500.0000 MHz | 36M0G7F    | 73.82 dBW        | Compressed Digital Video and Audio |
|             | 14000.0000 - 14500.0000 MHz | 4M00G7F    | 64.28 dBW        | Compressed Digital Video and Audio |

**Points of Communication:**

WML - NT-7 DC3 - PERMITTED LIST - ()

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**SES-MOD-20220331-00354** E E140101 O3b Limited  
Application for Modification  
Grant of Authority

06/08/2015 - 06/08/2030  
Date Effective: 01/10/2023

**Class of Station:** Other

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**Nature of Service:** Fixed Satellite Service

SITE ID: ORBIT2.2

LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

| ANTENNA ID: | ORBIT2.2                    | 2.2 meters | ORBIT   | ORBIT2.2  |                                       |
|-------------|-----------------------------|------------|---------|-----------|---------------------------------------|
|             | 28350.0000 - 29100.0000 MHz |            | 216MG7D | 70.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 28350.0000 - 29100.0000 MHz |            | 25M4G7D | 70.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 29500.0000 - 30000.0000 MHz |            | 216MG7D | 70.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 29500.0000 - 30000.0000 MHz |            | 25M4G7D | 70.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 17800.0000 - 18600.0000 MHz |            | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 17800.0000 - 18600.0000 MHz |            | 25M4G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 18800.0000 - 19400.0000 MHz |            | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 18800.0000 - 19400.0000 MHz |            | 25M4G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 19600.0000 - 20200.0000 MHz |            | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 19600.0000 - 20200.0000 MHz |            | 25M4G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: ORBIT1.2

LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

| ANTENNA ID: | ORBIT1.2                    | 1.2 meters | ORBIT   | ORBIT1.2  |                                       |
|-------------|-----------------------------|------------|---------|-----------|---------------------------------------|
|             | 28350.0000 - 29100.0000 MHz |            | 12M6G7D | 61.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 28350.0000 - 29100.0000 MHz |            | 216MG7D | 61.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 29500.0000 - 30000.0000 MHz |            | 12M6G7D | 61.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 29500.0000 - 30000.0000 MHz |            | 216MG7D | 61.60 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
|             | 17800.0000 - 18600.0000 MHz |            | 12M6G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |

|                             |         |                                       |
|-----------------------------|---------|---------------------------------------|
| 17800.0000 - 18600.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 12M6G7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 12M6G7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: GD1.8  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

|                             |            |                  |                                       |
|-----------------------------|------------|------------------|---------------------------------------|
| ANTENNA ID: GD1.8           | 1.8 meters | GENERAL DYNAMICS | GD1.8                                 |
| 28350.0000 - 29100.0000 MHz | 216MG7D    | 69.10 dBW        | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 28350.0000 - 29100.0000 MHz | 25M4G7D    | 69.10 dBW        | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 216MG7D    | 69.10 dBW        | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 25M4G7D    | 69.10 dBW        | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 25M4G7D    |                  | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 216MG7D    |                  | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 25M4G7D    |                  | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 216MG7D    |                  | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D    |                  | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 25M4G7D    |                  | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: GD2.4  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

|                   |            |                  |       |
|-------------------|------------|------------------|-------|
| ANTENNA ID: GD2.4 | 2.4 meters | GENERAL DYNAMICS | GD2.4 |
|-------------------|------------|------------------|-------|

|                             |         |           |                                       |
|-----------------------------|---------|-----------|---------------------------------------|
| 28350.0000 - 29100.0000 MHz | 216MG7D | 71.80 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 28350.0000 - 29100.0000 MHz | 25M4G7D | 71.80 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 216MG7D | 71.80 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 25M4G7D | 71.80 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 25M4G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 25M4G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 25M4G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: AVL2.4

LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

ANTENNA ID: AVL2.4      2.4 meters      AVL TECHNOLOGIES      2470

|                             |         |           |                                       |
|-----------------------------|---------|-----------|---------------------------------------|
| 28350.0000 - 29100.0000 MHz | 1M00G7D | 70.50 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 28350.0000 - 29100.0000 MHz | 216MG7D | 70.50 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 1M00G7D | 70.50 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 216MG7D | 70.50 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 1M00G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 1M00G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |

|                             |         |                                       |
|-----------------------------|---------|---------------------------------------|
| 18800.0000 - 19400.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 1M00G7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: AVL1.2  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

|                             |            |                                       |                                       |
|-----------------------------|------------|---------------------------------------|---------------------------------------|
| ANTENNA ID: AVL1.2          | 1.2 meters | AVL TECHNOLOGIES                      | 1270                                  |
| 28350.0000 - 29100.0000 MHz | 200MG7D    | 70.50 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 28350.0000 - 29100.0000 MHz | 80M0G7D    | 70.50 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 200MG7D    | 70.50 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 80M0G7D    | 70.50 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 200MG7D    | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |
| 17800.0000 - 18600.0000 MHz | 80M0G7D    | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |
| 18800.0000 - 19400.0000 MHz | 200MG7D    | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |
| 18800.0000 - 19400.0000 MHz | 80M0G7D    | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |
| 19600.0000 - 20200.0000 MHz | 200MG7D    | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |
| 19600.0000 - 20200.0000 MHz | 80M0G7D    | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |

SITE ID: AVL1M  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

|                             |          |                  |                                       |
|-----------------------------|----------|------------------|---------------------------------------|
| ANTENNA ID: AVL1M           | 1 meters | AVL TECHNOLOGIES | 1080                                  |
| 28350.0000 - 29100.0000 MHz | 216MG7D  | 60.20 dBW        | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 216MG7D  | 60.20 dBW        | QPSK, 8PSK, 16PSK, 32PSK and Internet |



|                             |         |                                       |
|-----------------------------|---------|---------------------------------------|
| 17800.0000 - 18600.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: VIASAT3.7  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

| ANTENNA ID:                 | VIASAT3.7 | 3.7 meters                            | VIASAT                                | VIASAT3.7 |
|-----------------------------|-----------|---------------------------------------|---------------------------------------|-----------|
| 28350.0000 - 29100.0000 MHz | 216MG7D   | 80.00 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |           |
| 28350.0000 - 29100.0000 MHz | 80M0G7D   | 80.00 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |           |
| 29500.0000 - 30000.0000 MHz | 216MG7D   | 80.00 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |           |
| 29500.0000 - 30000.0000 MHz | 80M0G7D   | 80.00 dBW                             | QPSK, 8PSK, 16PSK, 32PSK and Internet |           |
| 17800.0000 - 18600.0000 MHz | 80M0G7D   | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |           |
| 17800.0000 - 18600.0000 MHz | 80M0G7D   | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |           |
| 18800.0000 - 19400.0000 MHz | 80M0G7D   | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |           |
| 18800.0000 - 19400.0000 MHz | 80M0G7D   | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |           |
| 19600.0000 - 20200.0000 MHz | 80M0G7D   | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |           |
| 19600.0000 - 20200.0000 MHz | 80M0G7D   | QPSK, 8PSK, 16PSK, 32PSK and Internet |                                       |           |

SITE ID: VIASAT2.4  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

| ANTENNA ID:                 | VIASAT2.4 | 2.4 meters | VIASAT                                | VIASAT2.4 |
|-----------------------------|-----------|------------|---------------------------------------|-----------|
| 28350.0000 - 29100.0000 MHz | 216MG7D   | 69.40 dBW  | QPSK, 8PSK, 16PSK, 32PSK and Internet |           |
| 29500.0000 - 30000.0000 MHz | 1M00G7D   | 69.40 dBW  | QPSK, 8PSK, 16PSK, 32PSK and Internet |           |

|                             |         |           |                                       |
|-----------------------------|---------|-----------|---------------------------------------|
| 17800.0000 - 18600.0000 MHz | 1M00G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 1M00G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 28350.0000 - 29100.0000 MHz | 1M00G7D | 69.40 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 29500.0000 - 30000.0000 MHz | 216MG7D | 69.40 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 216MG7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 1M00G7D |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |

SITE ID: MP130  
LOCATION: 1000 earth stations CONUS, HI, PR, USVI, GU, ALL US TERR.

|                             |            |           |                                       |
|-----------------------------|------------|-----------|---------------------------------------|
| ANTENNA ID: MP130           | 1.2 meters | INTELLIAN | MP130                                 |
| 29500.0000 - 30000.0000 MHz | 216MG7D    | 61.30 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 18800.0000 - 19400.0000 MHz | 216MG7D    |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 19600.0000 - 20200.0000 MHz | 216MG7D    |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 28350.0000 - 29100.0000 MHz | 216MG7D    | 61.30 dBW | QPSK, 8PSK, 16PSK, 32PSK and Internet |
| 17800.0000 - 18600.0000 MHz | 216MG7D    |           | QPSK, 8PSK, 16PSK, 32PSK and Internet |

**Points of Communication:**

- AVL1.2 - O3B-A (S2935) - (NGSO)
- AVL1M - O3B-A (S2935) - (NGSO)
- AVL2.4 - O3B-A (S2935) - (NGSO)
- GD1.8 - O3B-A (S2935) - (NGSO)
- GD2.4 - O3B-A (S2935) - (NGSO)
- MP130 - O3B-A (S2935) - (NGSO)

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ORBIT1.2 - O3B-A (S2935) - (NGSO)

ORBIT2.2 - O3B-A (S2935) - (NGSO)

VIASAT2.4 - O3B-A (S2935) - (NGSO)

VIASAT3.7 - O3B-A (S2935) - (NGSO)

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**SES-MOD-20221114-01256**    E KE43    Alascom, Inc.  
Application for Modification    03/20/2022 - 03/20/2037  
Grant of Authority    Date Effective:    01/06/2023

**Class of Station:**    Fixed Earth Stations

**Nature of Service:**    Fixed Satellite Service

SITE ID:    1

LOCATION:    1 MAIN STREET, KING SALMON, AK

58 ° 40 ' 51.90 " N LAT.

156 ° 40 ' 1.10 " W LONG.

|                           |   |            |              |                                    |
|---------------------------|---|------------|--------------|------------------------------------|
| ANTENNA ID:               | 1 | 4.5 meters | ANDREW CORP. | ES45T-T                            |
| 5925.0000 - 6425.0000 MHz |   | 29K0G7W    | 52.10 dBW    | VARIOUS PSK & QAM - VOICE AND DATA |
| 5925.0000 - 6425.0000 MHz |   | 4M50G7W    | 49.70 dBW    | VARIOUS PSK & QAM - VOICE AND DATA |
| 3700.0000 - 4200.0000 MHz |   | 29K0G7W    |              | VARIOUS PSK & QAM - VOICE AND DATA |
| 3700.0000 - 4200.0000 MHz |   | 4M50G7W    |              | VARIOUS PSK & QAM - VOICE AND DATA |

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-STA-20220128-00106**    E E181611    Maris Developments  
Special Temporary Authority  
Grant of Authority    Date Effective:    01/06/2023

**Class of Station:**

On January 6, 2023, Maris Developments was granted special temporary authority, beginning on January 6, 2023 through February 28, 2023, to operate its fixed earth station in Boardman, OR to communicate with all Maxar License Inc. WorldView-Legion (S2129) satellites at the 2085.6785 MHz (Earth-to-space), and 8380 MHz (space-to-Earth) center frequencies.

**Points of Communication:**

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**SES-STA-20220128-00107**    E E181423    Haras Development  
Special Temporary Authority  
Grant of Authority    Date Effective:    01/06/2023

**Class of Station:**





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**SES-STA-20221216-01404** E E140114 ISAT US Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

On January 9, 2023, ISAT US Inc. was granted special temporary authority for 60 days, beginning on January 9, 2023 through March 9, 2023, to operate its blanket licensed earth station in motion (ESIM) earth station aboard aircraft (ESAA) end-user terminals from Northeastern and Southeastern United States, and adjacent coastal waters in the Atlantic Ocean, including PR and USVI, and the Gulf of Mexico to communicate with the HYLAS-4 (S3130) satellite at the 33.5° W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221221-01474** E E220189 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Bellingham, WA gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221221-01475** E E201194 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Beekmantown, NY with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221221-01476** E E201415 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Boca Chica, TX with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01428** E E202113 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

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On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Colburn, ID (AKA Sandpoint, ID) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01430**    E   E201606    SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Litchfield, CT with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01432**    E   E210417    SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:    12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Molokai, HI gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01435**    E   E220025    SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:    12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Toa Baja, PR gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01436**    E   E220007    SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:    12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA") commencing December 28, 2022, through February 25, 2023, to test its Ponce, PR gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

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**Points of Communication:**

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**SES-STA-20221222-01490**    E   E201995    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Cass County, ND with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01491**    E   E201369    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Charleston, OR with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01492**    E   E190648    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective:    12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Conrad, MT gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

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**Points of Communication:**

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**SES-STA-20221222-01493**    E   E202175    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Dumas, TX with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01494** E E210298 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Elbert, CO with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01495** E E201370 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Evanston, WY with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01496** E E210090 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Fairbanks, AK with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01497** E E210421 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Frederick, MD with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01498** E E202202 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/05/2023

**Class of Station:**

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On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Marcell, MN (AKA Itasca County, MN) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01499**    E   E201990    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Manistique, MI with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01500**    E   E190725    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Merrillan, WI with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01501**    E   E201414    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in McGregor, TX with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01502**    E   E210105    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in New Braunfels, TX with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01503** E E201763 SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Nemaha, NE with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01504** E E210050 SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Ft. Lauderdale, FL (AKA Miami) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

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**Points of Communication:**

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**SES-STA-20221222-01505** E E202116 SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Butte, MT gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

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**Points of Communication:**

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**SES-STA-20221222-01506** E E190724 SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Greenville, PA with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01507** E E202152 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Gaffney, SC (AKA White Plains) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01508** E E210043 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Hillman, MI (AKA Alcona County, MI) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01509** E E202201 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Hamshire, TX with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01510** E E202127 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Inman, KS with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01511** E E202114 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 12/28/2022

**Class of Station:**

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On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Hitterdal, MN gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01512**    E   E210116    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Kenansville, FL gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01513**    E   E200453    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Kalama, WA with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01514**    E   E210049    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    12/28/2022

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day Special Temporary Authority ("STA"), commencing December 28, 2022, through February 25, 2023, to test its Lawrence, KS (AKA Kansas City, ) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20221222-01517**    E   E210002    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Lockport, NY with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01518** E E202178 SpaceX Services, Inc.

Special Temporary Authority  
Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Mandale, NC with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01521** E E210114 SpaceX Services, Inc.

Special Temporary Authority  
Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Nome, AK with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01522** E E202144 SpaceX Services, Inc.

Special Temporary Authority  
Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Punta Gorda, FL with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01523** E E201371 SpaceX Services, Inc.

Special Temporary Authority  
Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Panaca, NV with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

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**Points of Communication:**

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**SES-STA-20221222-01526** E E210089 SpaceX Services, Inc.

Special Temporary Authority  
Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

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On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Rolette County, ND with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01527**    E   E202122    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Roll, AZ with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01528**    E   E201998    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/09/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Sanderson, TX with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01529**    E   E201989    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/06/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Slope County, ND with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01530**    E   E202007    SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority  
Date Effective:    01/06/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Springer, OK with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01534** E E201981 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/06/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Warren, MO with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01535** E E202179 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/06/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Wise, NC with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20221222-01536** E E202125 SpaceX Services, Inc.  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/06/2023

**Class of Station:**

On December 28, 2022, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on December 28, 2022 through February 25, 2023, to operate its gateway earth station in Vernon, UT with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), and 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20230103-00004** E E040125 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/10/2023

**Class of Station:**

On January 10, 2023, Intelsat License LLC (Intelsat) herein, was granted an additional 30-day Special Temporary Authority ("STA"), commencing January 13, 2023 through February 11, 2023, to operate its Nuevo, California C-band earth station, Call Sign E040125, to provide telemetry, tracking, and command (TT&C) services during the launch and early orbit phase (LEOP), in orbit testing (IOT), and periods of drift to the final locations of the Galaxy 31 (S3076), Galaxy 32 (S3078), Galaxy 35 (S3143), and Galaxy 36 (S3148) satellites, see table below:

Satellite Call Sign IOT Location Final Orbital Location

Galaxy 31 S3076 148.95° W.L. 121.0° W.L.

Galaxy 32 S3078 149.05° W.L. 91.0° W.L.

Galaxy 35 S3143 150.05° W.L. 95.15° W.L.

Galaxy 36 S3148 149.95° W.L. 89.0° W.L.

Operations will be performed in the following frequency bands: 5925.00 MHz-5930.00 MHz and 6415.00 MHz-6425.00 MHz (Earth-to-space) and 4000.00 MHz-4200.00 MHz (space-to-Earth).

**Points of Communication:**

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**SES-STA-20230103-00009** E E210114 SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 01/09/2023

**Class of Station:**

On January 9, 2023, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning on January 9, 2023, through March 10, 2023, to operate its fixed gateway earth station in Nome, AK with the non-geostationary orbit (NGSO) (S2983/S3018 and S3069) satellites in the 27.5-28.35 GHz (Earth-to-space) frequency band.

**Points of Communication:**

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