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10/1/74

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
30-day STA to Use Ellenwood, Georgia Earth Station E170122 to Provide LEOP and TT&C for Eutelsat-7C

1. Applicant

| | | | |
|-------------------|--|----------------------|-----------------------------|
| Name: | Intelsat License LLC | Phone Number: | 703-559-7848 |
| DBA Name: | | Fax Number: | 703-559-8539 |
| Street: | c/o Intelsat US LLC 7900 Tysons One Place | E-Mail: | susan.crandall@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | Susan H Crandall | | |

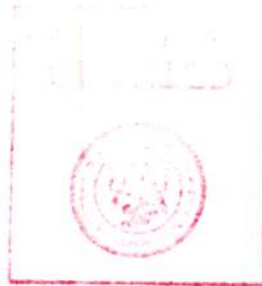
30 days *"with conditions"*
File # SES-STA-20190516-00669
Call Sign E170122 Grant Date 06/20/2019
(or other identifier)
Term Dates
From: 06/20/2019 To: 07/20/2019
Approved: *[Signature]* for
Paul E. Blais



Applicant: Intelsat License LLC
Call Sign: E170122
File No.: SES-STA-20190516-00669
Special Temporary Authority ("STA")

Intelsat License LLC is granted STA, for 30 days, beginning June 20, 2019 through July 20, 2019 to provide launch and early orbit phase ("LEOP") and telemetry, tracking and command ("TT&C") services for the France-licensed Eutelsat 7C satellite scheduled for in-orbit testing at location 1.7° E and permanent orbital location 7° E from geographic coordinates 33° 39' 52.8" N, 084° 16' 12.0" W in Ellenwood, Georgia. The services will be under the following conditions:

1. Intelsat will perform LEOP operations using the 16.4-m General Dynamic antenna ID K28 fixed earth station with frequencies: 13750.40 MHz, 13999.25 MHz, 14250.0 MHz, 14499.80 MHz (RHCP) (Earth-to-space) and 11199.0 MHz, 11200.6 MHz, 11698.2 MHz, and 11699.0 MHz (LHCP) (space-to-Earth) with the coordinated emission designation and power levels.
2. Operations, shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
3. All Intelsat License LLC testing granted shall be conducted IAW the purpose, configuration and RF parameters that Intelsat License LLC coordinated with Navy (Dan Kibe).
4. The emission designator/s listed in the FCC grant are approved for the stated occupied bandwidth/s only. Occupied bandwidth/s that is/are less than the approved emission/s is/are not authorized.
5. As soon as possible but no later than 3 business days prior to any planned testing, Intelsat License LLC is required to provide Dan Kibe (Email: dan.kibe@navy.mil) 301-225-3839 with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD/Navy operations, additional evaluations and/or restrictions will be required.
6. Due to the equivalent radiated power of this operation, Intelsat License LLC should notify the spectrum manager of the National Radio Quiet Zone of the commencement and ceasing of operation:



Who says _____
From: _____ To: _____
Date: _____
(or other reference)
Call Sign: _____ Class: _____
Lic # _____

Paulette Woody
nrqz@gb.nrao.edu
phone: (304) 456-2107

7. In the event of any harmful interference under this grant of STA, Intelsat License LLC E170122 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
8. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. Currently the 24x7 contact information for the Eutelsat 7C satellite LEOP mission is as follows: Ph.: (703) 559-7701 - East Coast Operations Center (primary); (310) 525-5591 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
9. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
10. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

30 days *"with conditions"*

| | |
|---|--|
|  GRANTED International Bureau | File # <u>SES-STA-20190516-00669</u> |
| | Call Sign <u>E170122</u> Grant Date <u>06/20/2019</u> (or other identifier) |
| | Term Dates From: <u>06/20/2019</u> To: <u>07/20/2019</u> |
| | Approved: <u><i>[Signature]</i></u> for <u>Paul E. Blair</u> |

2. Contact

| | | | |
|-------------------|-----------------------|----------------------|----------------------------|
| Name: | Cynthia J. Grady | Phone Number: | 703-559-6949 |
| Company: | Intelsat US LLC | Fax Number: | 703-559-8539 |
| Street: | 7900 Tysons One Place | E-Mail: | cynthia.grady@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | | Relationship: | Legal Counsel |

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
 Governmental Entity Noncommercial educational licensee
 Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date

7. City Ellenwood

8. Latitude
(dd mm ss.s h) 33 39 52.8 N

May 16, 2019

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Request for Special Temporary Authority
Ellenwood, Georgia Earth Station E170122

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing June 20, 2019, to use its Ellenwood, Georgia Ku-band earth station (Call Sign E170122) to provide launch and early orbit phase (“LEOP”) service for Eutelsat-7C, and telemetry, tracking, and command (“TT&C”) services during in-orbit testing and drifting of the satellite to its final location. Eutelsat-7C is expected to launch on June 20, 2019.² Intelsat expects to provide LEOP and TT&C services for approximately 210 days.³

The Eutelsat-7C LEOP operations will be performed at the following frequencies: 11199.0 MHz, 11200.6 MHz, 11698.2 MHz, and 11699.0 MHz (LHCP) in the downlink; and 13750.40 MHz, 13999.25 MHz, 14250.00 MHz, and 14499.80 MHz (RHCP) in the uplink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the Eutelsat-7C LEOP mission is as follows:

¹ Intelsat has filed its STA request, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The IOT location for Eutelsat-7C, which Intelsat understands is licensed by France, will be 1.7° E.L. The satellite’s final location will be 7° E.L.

³ Intelsat is concurrently seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁴ SSL, the manager of the Eutelsat-7C mission, will handle the coordination.

Ms. Marlene H. Dortch
May 16, 2019
Page 2

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat herewith attaches Exhibits A and B, which contain a 13 GHz report and waiver requests. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the Eutelsat-7C LEOP mission SSL will serve as the mission manager. SSL will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to SSL. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the Eutelsat-7C satellite and safely insert it into the geostationary arc. This will help provide services at the 7° E.L. location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

cc: Paul Blais

| | |
|---|--|
| 9. State GA | 10. Longitude (dd mm ss.s h) 84 16 12.0 W |
| 11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A Attachment 3: Exhibit B | |
| 12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> IntelSAT License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing June 20, 2019, to use its Ellenwood, Georgia Ku-band earth station (Call Sign E170122) to provide launch and early orbit phase service for Eutelsat-7C, and telemetry, tracking, and command services during in-orbit testing and drifting of the satellite to </div> | |
| 13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. <div style="text-align: right;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </div> | |
| 14. Name of Person Signing Cynthia J. Grady | 15. Title of Person Signing Senior Counsel, Intelsat US LLC |
| WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503). | |

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

12. Description

Intelsat License LIC herein requests a grant of Special Temporary Authority for 30 days, commencing June 20, 2019, to use its Ellenwood, Georgia Ku-band earth station (Call Sign E170122) to provide launch and early orbit phase service for Eutelsat-7C, and telemetry, tracking, and command services during in-orbit testing and drifting of the satellite to its final location.