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E170122 SES-STA-20200210-00142 IB2020000264  
Intelsat License LLC

Approved by OMB  
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for an Additional 30 days of Special Temporary Authority to Use Ellenwood, Georgia Earth Station E170122 to Provide  
LEOP Services for BB4A

1. Applicant

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

30 days "With Conditions"

File # SES-STA-20200210-00142

Call Sign E170122 Grant Date 02/26/2020  
(or other identifier)

Term Dates  
From: 02/26/2020 To: 03/27/2020

Approved: \_\_\_\_\_



|   |   |
|---|---|
| <b>2. Contact</b>   |   |
| <b>Name:</b> Cynthia J. Grady   | <b>Phone Number:</b> 703-559-6949         |
| <b>Company:</b> Intelsat US LLC   | <b>Fax Number:</b> 703-559-8539           |
| <b>Street:</b> 7900 Tysons One Place  | <b>E-Mail:</b> cynthia.grady@intelsat.com |
| <b>City:</b> McLean   | <b>State:</b> VA                          |
| <b>Country:</b> USA   | <b>Zipcode:</b> 22102 -5972               |
| <b>Attention:</b>   | <b>Relationship:</b> 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?   |   |
| <input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).                                   |   |
| <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee<br><input type="radio"/> Other (please explain):                                   |   |
| 4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station   |   |
| 5. Type Request   |   |
| <input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other   |   |
| 6. Requested Use Prior Date   |   |
| 7. City Ellenwood   |   |
| 8. Latitude (dd mm ss.s h) 33 39 52.8 N   |   |

|   |  |  |
|---|--|--|
| 9. State  | GA   | 10. Longitude<br>(dd mm ss.s h) 84 16 12.0 W |
| 11. Please supply any need attachments.<br>Attachment 1: STA Request<br>Attachment 2:<br>Attachment 3:  |  |  |
| 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.)<br>Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted to Intelsat to use its Ellenwood, Georgia Ku-band earth station to provide launch and early orbit phase services for the BB4A Satellite.   |  |  |
| 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"; party to the application; for these purposes.<br><input checked="" type="radio"/> Yes <input type="radio"/> No |  |  |
| 14. Name of Person Signing  | 15. Title of Person Signing  |  |
| Cynthia J. Grady  | Senior Counsel, Intelsat US LLC<br><br>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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Applicant: Intelsat License LLC  
Call Sign: E170122  
File No.: SES-STA-20200210-00142  
Special Temporary Authority ("STA")



"with conditions"  
File # SES-STA-20200210-00142  
Call Sign E170122 Grant Date 02/26/2020  
(or other identifier)  
Term Dates  
From: 02/26/2020 To: 03/27/2020  
Approved: \_\_\_\_\_

Intelsat License LLC is granted extension of STA to provide launch and early orbit phase ("LEOP") services for France-licensed BB4A satellite scheduled at in-orbit testing location and permanent orbital location 14°E from geographic coordinates 33° 39' 52.8" N/ 084° 16' 12.0" W in Ellenwood, GA on frequencies: 14000 MHz (LHCP) and 14499.80 MHz (RHCP) (Earth-to-space); and 11701.60 MHz (LHCP) and 11704.00 MHz (LHCP) (space-to-Earth). The operations will be under the following conditions:

1. Operations shall not exceed 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. 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.
4. 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 BB4A 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.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
7. Operations of this station during the period from expiration of February 15, 2020, IBFS File No. SES-STA-20200103-00016, to the grant of this STA was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

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.



**INTELSAT.**

*Envision. Connect. Transform.*

January 31, 2020

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

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

Dear Ms. Dortch:

IntelSat License LLC (“IntelSat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)<sup>1</sup> previously granted to IntelSat<sup>2</sup> to use its Ellenwood, Georgia Ku-band earth station (Call Sign E170122) to provide launch and early orbit phase (“LEOP”) services for the BB4A satellite, which was launched on January 16, 2020.<sup>3</sup> IntelSat expects to provide LEOP services to the satellite for approximately 30 days.

The LEOP operations will continue to be performed at the following frequencies: 11701.60 MHz (LHCP) and 11704.00 MHz (LHCP) in the downlink; and 14000.00 MHz (LHCP) and 14499.80 MHz (RHCP) in the uplink. The LEOP operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> All operators of satellites in that path have been provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

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<sup>1</sup> 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.

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02235, File No. SES-STA-20200103-00016 (Jan. 22, 2020) (Public Notice).

<sup>3</sup> The in-orbit testing and final location for BB4A, which IntelSat understands is licensed by France, will be 14.0° E.L.

<sup>4</sup> Thales Alenia Space (“Thales”), the manager of the BB4A mission, will handle the coordination.

Ms. Marlene H. Dortch  
January 31, 2020  
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The 24x7 contact information for the BB4A 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.

In further support of this request, Intelsat incorporates by reference Exhibit A of its original request<sup>5</sup> which contains 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.

Intelsat clarifies that during the BB4A LEOP mission Thales will continue to serve as the mission manager. Thales builds and sends the commands to the Intelsat antenna, which processes and executes the commands. Telemetry received by Intelsat is forwarded to Thales. Intelsat performs the ranging sessions by sending a tone to the spacecraft periodically. Intelsat remains in control of the baseband unit, RF equipment, and antenna.

Grant of this STA extension request will allow Intelsat to help launch the BB4A satellite and safely insert it into the geostationary arc. This will help provide services at the 14.0° E.L. location and thereby promotes the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Federal Communications Commission grant this STA extension request. Please direct any questions regarding this 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

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<sup>5</sup> See *supra* n. 2.