

Report No. \_\_\_\_\_

Date \_\_\_\_\_

For information of the \_\_\_\_\_

Call Sign \_\_\_\_\_

File No. \_\_\_\_\_

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for STA Using Riverside, CA Earth Station E060384 to Provide TT&C During IOT and Drift of Amazonas-5

I. 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 Corporation 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		



"With Conditions"

File # SES-STA-20170824-00953

Call Sign E060384 Grant Date 08/31/2014  
(or other identifier)

Term Dates  
From: 09/18/2017 To: 10/18/2017

Approved: [Signature]

U.S. DEPARTMENT OF JUSTICE

FEDERAL BUREAU OF INVESTIGATION



Washington, D.C. \_\_\_\_\_

Special Agent in Charge \_\_\_\_\_

(Date) \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Applicant: Intelsat License, LLC  
File No.: SES-STA-20170824-00953  
Call Sign: E060384  
Special Temporary Authority



File # SES-STA-20170824-00953 <sup>"With conditions"</sup>  
Call Sign E060384 Grant Date 08/31/2017  
(or other identifier)  
Term Dates  
From: 09/18/2017 To: 10/18/2017  
Approved: Paul E. [Signature]

Intelsat License, LLC, is granted a special temporary authority for 30 days, beginning September 18, 2017, to operate its fixed earth station in Riverside, California, call-sign E060384, to perform Tracking, Telemetry and Command ("TT&C") services for the Amazonas-5 satellite licensed by Brazil during in-orbit ("IOT") at 58.2° W.L., during its drift from 58.2° W.L. to its final location at 61° W.L., and at 61° W.L. until handoff, using the following frequencies: 13999.50 MHz and 14499.50 MHz (Linear H, V, LHCP) (Earth-to-space), and 11701 MHz and 12202.25 MHz (Linear H, V, LHCP) (space-to-Earth) under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. During the drift to the satellite's permanent orbital location 61° W.L., Intelsat License, LLC, will coordinate with operators of co-frequency satellites in the drift path.
3. 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 Amazonas-5 satellite 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.
4. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. Intelsat License LLC's E060384, shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference under this grant of special temporary authority, Intelsat License LLC's E060384, must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat License LLC's risk.
8. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



**INTELSAT.**

*Envision. Connect. Transform.*

August 24, 2017

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

Re: Request for Special Temporary Authority  
Riverside, California Earth Station E060384

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, commencing September 18, 2017, to use its Riverside, California Ku-band earth station—call sign E060384—to provide telemetry, tracking, and command ("TT&C") services for the Amazonas-5 satellite during in-orbit testing ("IOT") at 58.2° W.L., during its drift from 58.2° W.L. to its final location at 61.0° W.L., and at 61.0° W.L. until handoff. Amazonas-5 is expected to be launched on September 9, 2017.<sup>2</sup> Intelsat expects the IOT and drift to last approximately 46 days.

The proposed operations will be performed at the following frequencies: 13999.5 MHz and 14499.5 MHz (Linear H, V, LHCP) in the uplink; and 12202.25 MHz and 11701.0 MHz (Linear H, V, RHCP) in the downlink. The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the drift path, or are potentially affected by these operations at the IOT location.<sup>3</sup> All operators of potentially affected satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. 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.

The 24x7 contact information for the Amazonas-5 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 Beil.

In further support of this request, Intelsat herewith attaches Exhibits A and B, which contain a 13 GHz

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> Intelsat understands Amazonas-5 is licensed by Brazil.

<sup>3</sup> SSL, the manager of the Amazonas-5 LEOP mission, will handle the coordination.

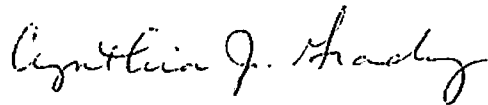
Ms. Marlene H. Dortch  
August 24, 2017  
Page 2

report and a waiver request. 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.

Grant of this STA request will allow Intelsat to help test and drift the Amazonas-5 satellite to its final location. This, in turn, will help provide additional capacity from the 61.0° W.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,

A handwritten signature in cursive script, reading "Cynthia J. Grady".

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais

<b>2. Contact</b>	
<b>Name:</b> Cynthia J. Grady	<b>Phone Number:</b> 703-559-6949
<b>Company:</b> Intelsat Corporation	<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.)	
<b>3. Reference File Number or Submission ID</b>	
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	
<input type="radio"/> Other (please explain):	
<b>4b. Fee Classification</b> CGX - Fixed Satellite Transmit/Receive Earth Station	
<b>5. Type Request</b>	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
<b>6. Requested Use Prior Date</b>	
<b>7. CityNuevo</b>	<b>8. Latitude</b> (dd mm ss.s h) 33 47 46.1 N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 15.1 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: 10px 0;">Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing September 18, 2017, to use its Riverside, California Ku-band earth station, call sign E060384, to provide telemetry, tracking, and command services for the Amazonas-5 satellite during in-orbit testing at 58.2 W.L., during its drift from 58.2 W.L. to its</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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory Counsel, Intelsat Corporation
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 LLC herein requests a grant of Special Temporary Authority for 30 days, commencing September 18, 2017, to use its Riverside, California Ku-band earth station, call sign E060384, to provide telemetry, tracking, and command services for the Amazonas-5 satellite during in-orbit testing at 58.2 W.L., during its drift from 58.2 W.L. to its final location at 61.0 W.L., and at 61.0 W.L. until handoff. Amazonas-5 is expected to be launched on September 9, 2017.