

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 Paumalu, Hawaii Earth Station E120008 to Provide TT&C Services for Intelsat IR

1. Applicant

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



File # SES-STA-20170926-01060  
Call Sign E120008 Grant Date 9-29-17  
(or other identifier)

Term Dates  
From: 10-2-17 To: 11-1-17

Approved: [Signature]  
Deputy Chief, Satellite Div

Applicant: Intelsat License LLC  
Call Sign: E120008  
File No.: SES-STA-20170926-01060



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E120008  
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Term Dates  
From: 10-2-17 To: 11-1-17  
Approved: [Signature]  
Deputy Chief, Satellite Div

Intelsat License LLC ("Intelsat") is granted special temporary authority (STA) for 30 days, beginning October 2, 2017, to operate its Paumalu, Hawaii earth station with Intelsat 1R (S2368) satellite to provide telemetry, tracking, and control ("TT&C") communications on center frequencies 14.4985 GHz (Earth-to-space) and 11.696 GHz, 11.697 GHz (space-to-Earth) during Intelsat 1R's drift from 169.2° E.L. to 157.1° E.L. orbital location subject to the following conditions:

1. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
2. All operations under this grant of STA shall be on an unprotected and noninterference basis and Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
3. Intelsat will maintain full operational control with Intelsat 1R (S2368) at all times.
4. Intelsat will maintain Intelsat 1R (S2368) with an east-west longitudinal station-keeping tolerance of +/-0.05 degree.
5. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
6. Intelsat must operate only the TT&C frequencies authorized for Intelsat 1R during the drift from the 169.2° E.L. to the 157.1° E.L. orbital location.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat.
8. During drift operations, all transponders other than TT&C transponders will be turned off.
9. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
10. All operations must be within the relevant requested operational parameters in IBFS File No. SAT-STA-20170626-00100.

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.

<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.)	
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	
<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/Paumalu	8. Latitude (dd mm ss.s h) 21 40 17.8 N



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## **12. Description**

Intelsat License LLC herein requests 30 days, beginning October 2, 2017, of Special Temporary Authority to use its Paumalu, Hawaii Ku-band earth station, call sign E120008, to provide telemetry, tracking, and command (TT&C) services for Intelsat 1R (S2368) during its drift from 169.2 W.L. to 157.1 E.L. and on-station at 157.1 E.L. Intelsat 1R began drifting September 22, 2017 -- utilizing a non-U.S. TT&C antenna -- and the drift will take approximately six weeks.



**INTELSAT**

*Envision. Connect. Transform.*

September 26, 2017

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

Re: Request for Special Temporary Authority  
Paumalu, Hawaii Earth Station E120008  
**Expedited Treatment Requested**

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests 30 days, beginning October 2, 2017, of Special Temporary Authority (“STA”)<sup>1</sup> to use its Paumalu, Hawaii Ku-band earth station—call sign E120008—to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 1R (S2368) during its drift from 169.2° W.L. to 157.1° E.L. and on-station at 157.1° E.L. Intelsat 1R began drifting September 22, 2017 -- utilizing a non-U.S. TT&C antenna -- and the drift will take approximately six weeks.<sup>2</sup>

TT&C operations will be performed in the following frequencies: 14498.5 MHz (Earth-to-space); and 11696 MHz and 11697 MHz (space-to-Earth). The drift operations will be coordinated with all operators of satellites that use the same frequency bands and are in the drift path.<sup>3</sup> 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 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.

The proposed TT&C operations at 157.1° E.L. will be consistent with Intelsat’s coordination agreements for the nominal 157° E.L. orbital location. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

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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> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01263, File No. SAT-STA-20170626-00100 (Aug. 25, 2017) (Public).

<sup>3</sup> Intelsat will handle the coordination.

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Grant of this expedited STA request will allow Intelsat to drift the Intelsat 1R satellite to, and safely station-keep the satellite, at its new location. This, in turn, will help Intelsat meet a potential service demand at the 157.1° E.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,

*/s/ Cynthia J. Grady*

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais  
Anthony Asongwed