

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for Extension of STA for Pamalu, HI Earth Station KA269 to Provide IOT and TT&C for Horizons 3e (S2947) Satellite

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-20181022-03263



Call Sign KA269 Grant Date 12/07/2018
(or other identifier)
Term Dates
From: 12/07/2018 To: 01/06/2019
Approved: Susan H. Crandall

2. Contact			
Name:	Cynthia J. Grady	Phone Number:	703-559-6949
Company:	Intelsat US LLC	Fax Number:	202-944-7870
Street:	7900 Tysons One Place	E-Mail:	cynthia.grady@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -
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?			
<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 24.0 N

9. State HI	10. Longitude (dd mm ss.s h) 158 2 16.0 W
11. Please supply any need attachments. Attachment 1: STA Request	Attachment 2: 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.)	<div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted Intelsat to use its Paumalu, Hawaii C-band earth station, call sign KA269, to provide telemetry, tracking, and command during in-orbit testing of Horizons 3e (S2947) at 164.0 E.L and TT&C during the drift of Horizons 3e to its final location of</p> </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.	<p style="text-align: center;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Senior Counsel, Intelsat US LLC
<p style="text-align: center;"> 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). </p>	

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12. Description

Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted Intelsat to use its Paumalu, Hawaii C-band earth station, call sign KA269, to provide telemetry, tracking, and command during in-orbit testing of Horizons 3e (S2947) at 164.0 E.L and TT&C during the drift of Horizons 3e to its final location of 169.0 E.L.

By Applicant: Intelsat License LLC-
File No.: SES-STA-20181022-03263
Call Sign: KA269
Special Temporary Authority (STA)

Intelsat License LLC ("Intelsat") - is granted a special temporary authority for 30 days, beginning December 07, 2018 to operate its C-band earth station in Paumalu, Hawaii to provide telemetry, tracking, and command (TT&C) services during in-orbit testing ("IOT") of Horizons 3e (S2947) at 164.0°E.L. orbital location and TT&C during the drift of Horizon 3e to its permanent location of 169.0° E.L. orbital location, using the following frequencies and frequency bands: 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz (space-to-Earth), and 6421.50 – 6425.0 MHz, and 5850.00 – 5853.5 MHz bands (Earth-to-space) under the following conditions:

1. All operators of satellites 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 Intelsat Horizon 3e is as follows: Phone: (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.
2. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. Intelsat 's E950307 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. In the event of any harmful interference under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event.
4. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
5. 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.
6. Intelsat License LLC's operations during the period October 26, 2018 to the date of this grant were authorized pursuant to Section 1.62 of Commission's rules 47 C.F.R.

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



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(or other identifier)
Term Dates
From: 12/07/2018 To: 01/06/2019
Approved: Paul E. Davis

"With conditions"



INTELSAT.

Envision. Connect. Transform.

KA269

Intelsat License LLC

SES-STA-20181022-03263

IB2018008969

October 17, 2018

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

Re: Request for Extension of Special Temporary Authority
Paumalu, Hawaii Earth Station KA269

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Paumalu, Hawaii C-band earth station—call sign KA269—to provide telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) of Horizons 3e (S2947) at 164.0° E.L and TT&C during the drift of Horizons 3e to its final location of 169.0° E.L.² Horizons 3e was launched on September 25, 2018.³ The IOT and drift are expected to last approximately 3 months.

The Horizons 3e operations will continue to be performed using the following frequencies and frequency bands: 6421.5-6425.0 MHz and 5850.0-5853.5 MHz in the uplink (LHCP/V); and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz in the downlink (LHCP/V). The Horizons 3e operations will continue to 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. 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.

The 24x7 contact information for the Horizons 3e 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.

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

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02099, File No. SES-STA-20180828-02519 (Sept. 26, 2018) (Public Notice).

³ The permanent orbital location for Horizons 3e will be 169.0° E.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-01313, File No. SAT-MOD-20170622-00093 (April 27, 2018) (Public Notice).

Intelsat US LLC

7900 Tysons One Place, McLean, VA 22102-5972 USA www.intelsat.com T +1 703-559-6800

Ms. Marlene H. Dortch
October 17, 2018
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In further support of this request, Intelsat incorporates by reference Exhibit A, provided with its original request,⁴ which contains technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility. 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 extension request will allow Intelsat to help launch and test the Horizons 3e satellite. This, in turn, will help provide additional capacity to customers at the 169.0° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA extension 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

⁴ See *supra* n. 2.