

Address: _____

From: _____ To: _____

(or other identifier) Term Date _____

Call Sign _____ Grant Date _____

Title # _____

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 to Continue Using Hagerstown, MD Earth Station KA275 to Provide TT&C Services During LEOP, IOT, and Drift for Intelsat 37

1. Applicant

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



File # SES-STA-20170926-01058

Call Sign KA275 Grant Date 10/02/2017
(or other identifier)

Term Dates
From: 10/02/2017 To: 11/01/2017

Approved: Kes Muma
Deputy Chief, Satellite Division

"Extension with conditions"

File #

Call Sign

(or other identifier)

From:

Approved:



100

Applicant: Intelsat License LLC
Call Sign: KA275
File No.: SES-STA-20170926-01058
Special Temporary Authority (STA)



EXTENSION with conditions
File # SES-STA-20170926-01058
Call Sign KA275 Grant Date 10/02/2017
(or other identifier)
Term Dates
From: 10/02/2017 To: 11/01/2017
Approved: Key Munn
Deputy Chief, Satellite Div.

Intelsat License LLC is granted extension of STA, for 30 days, to operate its GD Satcom 19-meter fixed earth station at 39° 35' 54.7" N.L./077° 45' 35.3" W.L. in Hagerstown, Maryland to provide launch and early orbit phase ("LEOP") services for satellite Intelsat 37e; telemetry, tracking, and command ("TT&C") functions during in-orbit testing ("IOT") at 17.5° W.L.; and TT&C functions during the drift of satellite Intelsat 37e to its final orbital location of 18° W.L. All operations will be in the 6421.5-6425.0 MHz, and 5850.0-5853.5 MHz (LHCP/ V) (Earth-to-space) frequency bands and on the following center frequencies: 4197.75 MHz, 4189.25 MHz, 4198.75 MHz, and 4199.25 MHz (LHCP/H) (space-to-Earth). All operations are authorized under the following conditions:

1. Operations will not exceed the operation power levels and parameters requested and coordinated.
2. Intelsat will coordinate the proposed IOT operations at IOT location 17.5° W.L. with operators of co-frequency satellites within six degrees. During the drift from 17.5° W.L. to the satellite's permanent orbital location 18° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
3. 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 Intelsat 37e 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. 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.
5. In the event of any harmful interference under this grant of STA, Intelsat License LLC KA275 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
6. Operations during the period of October 1, 2017 to the grant of this authorization were authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
8. 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.

September 26, 2017

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
Hagerstown, Maryland Earth Station KA275

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Hagerstown, Maryland C-band earth station—call sign KA275—to provide launch and early orbit phase (“LEOP”) services for Intelsat 37e; and, to the extent necessary, telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 17.5° W.L. and TT&C during the drift of Intelsat 37e to its final location of 18.0° W.L.² Intelsat 37e is now expected to be launched on September 29, 2017.³ The LEOP, IOT, and drift are expected to last approximately 70 days.

The proposed operations will be performed using the following frequencies and frequency bands: 6421.5-6425.0 MHz, and 5850.0-5853.5 in the uplink (LHCP/V); and 4197.75 MHz, 4198.25 MHz, 4198.75 MHz, and 4199.25 MHz in the downlink (LHCP/H). The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.⁴ 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.

¹ 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”).

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01985, File No. SES-STA-20170804-00874 (Aug. 23, 2017) (Public Notice).

³ The permanent orbital location for Intelsat 37e will be at 18.0° W.L. See *Policy Branch Information; Actions Taken*, Report No. SAT-01243, File No. SAT-LOA-20160915-00089 (June 9, 2017) (Public Notice).

⁴ Intelsat will handle the coordination.

Intelsat Corporation

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

Ms. Marlene H. Dortch
September 26, 2017
Page 2

The 24x7 contact information for the Intelsat 37e mission is as follows:

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

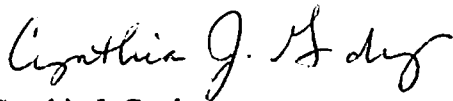
Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibit A, 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 Intelsat 37e satellite. This, in turn, will help provide additional capacity to customers at the 18.0° W.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,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact	
Name: Cynthia J. Grady	Phone Number: 703-559-6949
Company: Intelsat Corporation	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?	
<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 Hagerstown	8. Latitude (dd mm ss.s h) 39 35 55.0 N

9. State MD	10. Longitude (dd mm ss.s h) 77 45 35.0 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; margin: 10px 0;">Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland C-band earth station, call sign KA275, to provide launch and early orbit phase services for Intelsat 37e; and, to the extent necessary, telemetry, tracking, and command during in-orbit testing at 17.5 W.L.</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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12. Description

Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland C-band earth station, call sign KA275, to provide launch and early orbit phase services for Intelsat 37e; and, to the extent necessary, telemetry, tracking, and command during in-orbit testing at 17.5 W.L. and TT&C during the drift of Intelsat 37e to its final location of 18.0 W.L. Intelsat 37e is now expected to be launched on September 29, 2017.