


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 Further Extension of STA Using Hagerstown, Maryland Earth Station KA258 to Provide LEOP and IOT Services for Hispasat-1F Satellite

I. 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		



GRANTED
International Bureau

File # SES-STA-2018-0502-00486
 Call Sign KA258 Grant Date 5-15-18
 (or other identifier)
 Term Dates From: 5-15-18 To: 6-17-18
 Approved: [Signature]

Application: Intelsat License LLC
File No.: SES-STA-20180502-00486
Call Sign: KA258
Special Temporary Authority



File # SES-STA-20180502-00486
Call Sign KA258 Grant Date 5-15-18
(or other identifier)
Term Dates
From: 5-15-18 To: 6-14-18
Approved: Paul E. Hines

Intelsat License LLC is granted a special temporary authority for 30 days, under the following conditions beginning May 15, 2018 to operate its 14.2-meter fixed earth station antenna (KA258) in Hagerstown, Maryland to provide launch and early orbit phase (LEOP) services and conduct telemetry, tracking, and command (TT&C) services during in-orbit testing (IOT) at 26° W.L. for the Hispasat-1F satellite (licensed by Spain) to its final location at 30° W.L on the following center frequencies: 13997.50 MHz (Earth-to-space), and 10701 MHz and 11448 MHz (space-to-Earth).

1. Uplink (Earth-to-space) center frequency will be on 13997.50 MHz (RHCP) within the coordinated emission and power limits. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. Downlink (space-to-Earth) frequencies will be on 10701 MHz and 11448 MHz (RHCP).
3. 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 Hispasat-1F 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's KA258, 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, KA258, 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. Continued operations of SES-STA-20180309-00204 as of May 10, 2018 with Hispasat-1F satellite during this extension 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.

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 54.0 N			

9. State MD	10. Longitude (dd mm ss.s h) 77 45 33.0 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 of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services, as well as telemetry, tracking, and command services during in-orbit testing at 26.0 W.L., for the</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"; party to the application; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
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 an additional 30 days of Special Temporary of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services, as well as telemetry, tracking, and command services during in-orbit testing at 26.0 W.L., for the Hispasat 1F satellite.

May 2, 2018

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

Re: Request for Further Extension of Special Temporary Authority
Hagerstown, Maryland Earth Station KA258

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 Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services, as well as telemetry, tracking, and command (“TT&C”) services during in-orbit testing (“IOT”) at 26.0° W.L.,² for the Hispasat 1F satellite. Hispasat 1F, after an unexpected delay, was launched on March 6, 2018.³ Intelsat now expects the LEOP and TT&C during IOT period to last approximately 45 days.

The Hispasat 1F LEOP and TT&C during IOT operations will continue to be performed at the following frequencies: 13997.5 MHz (RHCP) in the uplink; and 10701.0 MHz and 11448.0 MHz (RHCP) in the downlink. The LEOP and TT&C operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path or could be potentially affected at the IOT location.⁴ 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 for the Hispasat 1F LEOP and TT&C during IOT mission is as follows:

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

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*, Public Notice, Report No. SES-02052, File No. SES-STA-20180309-00204 (Apr. 11, 2018) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Public Notice, Report No. SES-02031, File No. SES-STA-20180105-00013 (Jan. 31, 2018) (Public Notice).

³ The in-orbit testing location for Hispasat 1F, which Intelsat understands is licensed by Spain, will be 26.0° W.L. The final location of Hispasat 1F will be 30° W.L.

⁴ SSL, the manager of the Hispasat 1F LEOP and TT&C during the IOT mission, will handle the coordination.

Ms. Marlene H. Dortch
May 2, 2018
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Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, Intelsat incorporates by reference Exhibits A and B that contain a 13 GHz report and waiver requests, which were included with the original STA request.⁵ 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.

Finally, Intelsat clarifies that throughout the Hispasat 1F LEOP and TT&C during IOT mission, SSL will serve as the mission manager. SSL will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to SSL. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA further extension request will continue to allow Intelsat to help launch Hispasat 1F and safely station-keep the satellite during IOT. This, in turn, will help provide additional capacity from the 30.0° W.L. orbital location and thereby promotes the public interest.

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

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

⁵ See *supra* n. 2.