


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 Using Hagerstown, Maryland Earth Station KA258 to Provide LEOP Services for the Eutelsat 172B Satellite

1. Applicant

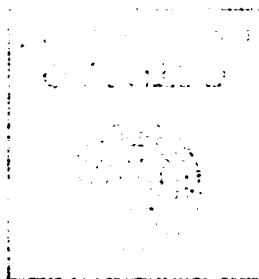
Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o Intelsat Corporation 7900 Tysons One Place	E-Mail:	susan.crandall@intelsat.com
City:	McLean	State:	VA
Country:	USA	Zipcode:	22102 -5972
Attention:	Susan H. Crandall		

30 days *"Extension with conditions"*

 **GRANTED**
International Bureau

File # SES-STA-20171011-01137
Call Sign KA258 Grant Date 10/19/2017
(or other identifier)
Term Dates
From: 10/23/2017 To: 11/22/2017
Approved: *Paul E. Allen*

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Approved: _____
From: _____ To: _____
(of other members)
Call Date _____
Call Date _____

Application: Intelsat License LLC
File No.: SES-STA-20171011-01137
Call Sign: KA258
Special Temporary Authority



File # SES-STA-20171011-01137 ^{EXTENSION WITH CONDITIONS}
Call Sign KA258 Grant Date 10/19/2017
(or other identifier)
Term Dates
From: 10/23/2017 To: 11/22/2017
Approved: Paul E. Heck

Intelsat License LLC is granted a STA extension from SES-STA-20170213-00154 for 30 days, beginning October 23, 2017, to operate its 14.2-meter fixed earth station antenna 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 176° E.L. for the Eutelsat 172B satellite (licensed by France) to its final location at 172° E.L on the following center frequencies: 13750.60 MHz, 13753.60 MHz, 13999.50 MHz, 14002.50 MHz, 14496.80 MHz, and 14499.80 MHz (Earth-to-space), and 11200.60 MHz and 12250.10 MHz (space-to-Earth), under the following conditions:

1. Uplink (Earth-to-space) frequencies will be on 13750.60 MHz, 13753.60 MHz, 13999.50 MHz, 14002.50 MHz, 14496.80 MHz and 14499.80 MHz (CP) 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 11200.60 MHz and 12250.10 MHz (CP).
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 Eutelsat 172B 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. 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.

October 11, 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 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 and telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 176° E.L. for the Eutelsat 172B satellite.² Eutelsat 172B was launched on June 1, 2017.³ Intelsat expects the LEOP and IOT periods to last approximately 200 days.⁴

The Eutelsat 172B LEOP and TT&C operations will continue to be performed at the following frequencies: 13750.6 MHz, 13999.5 MHz, 14499.8 MHz, 13753.6 MHz, 14002.5 MHz, and 14496.8 MHz (CP) in the uplink; and 11200.6 MHz and 12250.1 MHz (CP) in the downlink. The LEOP operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ The TT&C operations at the IOT location will be coordinated with potentially affected adjacent operators. All operators potentially affected by either the drift or the TT&C operations at the IOT location 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 Eutelsat 172B LEOP 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*, Report No. SES-01946, File No. SES-STA-20170213-00154 (Apr. 12, 2017) (Public Notice).

³ The in-orbit testing location for Eutelsat 172B, which Intelsat understands is licensed by France, will be at 176° E.L. The final location of Eutelsat 172B will be at 172° E.L.

⁴ Intelsat is seeking authority for an additional 30 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁵ Airbus, the manager of the Eutelsat 172B LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
October 11, 2017
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Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibits A and B, which contain a 13 GHz 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.

Finally, Intelsat clarifies that during the Eutelsat 172B LEOP mission, Airbus will serve as the mission manager. Airbus 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 Airbus. 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 extension request will allow Intelsat to help launch and safely station-keep the Eutelsat 172B satellite at the IOT location. This, in turn, will help provide additional capacity from the 172° 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
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

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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?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant Change Station Location 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; margin: 10px 0;">IntelSAT License LLC herein requests an additional 30 days 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 and telemetry, tracking, and command during in-orbit testing at 176 E.L. for the Eutelsat 172B satellite.</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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