

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request to Use Hagerstown, MD Earth Station (KA258) to Provide LEOP Services for the BSAT-4A 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		



"With conditions"

File # SES-STA-20170803-00857

Call Sign KA258 Grant Date 08/08/2017
(or other identifier)

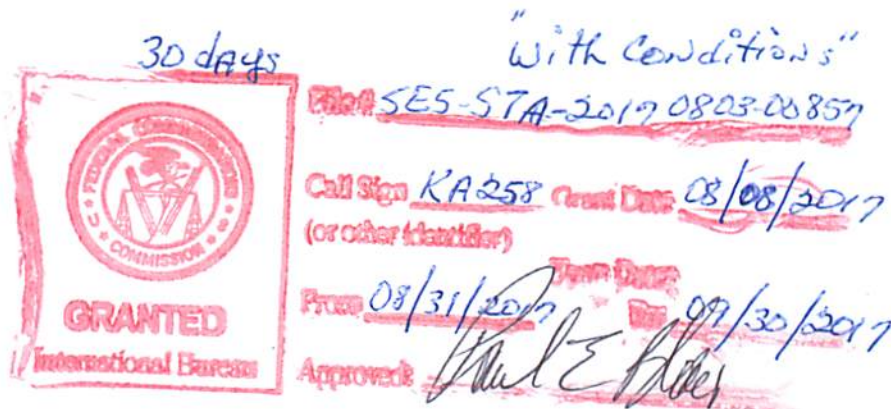
From 08/31/2017 To 09/30/2017

Approved: Paul E. Hines

Application: Intelsat License LLC
File No.: SES-STA-20170803-00857
Call Sign: KA258
Special Temporary Authority

Intelsat License LLC is granted a special temporary authority for 30 days, under the following conditions, beginning August 31, 2017, to operate its Ku-band earth station, call sign KA258, in Hagerstown, Maryland, to provide launch and early orbit phase (LEOP) services for the BSAT-4A satellite licensed by Japan, using the following frequencies: 1700.80 MHz and 17303.60 MHz (LHCP) (Earth-to-space) and 11702.90 MHz, and 11704.30 MHz (LHCP) (space-to-Earth). BSAT-4A satellite expected to launch on August 31, 2017.

1. All operations must be within the coordinated emission and power limits.
2. 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 BSAT-4A satellite LEOP 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.
3. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, KA258, 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.
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. This special temporary authority can only be used to provide launch and early orbit phase ("LEOP") services for the BSAT-4A satellite.
6. 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.



August 3, 2017

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

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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")¹ for 30 days, commencing August 31, 2017, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase ("LEOP") services for the BSAT-4A satellite. BSAT-4A is expected to be launched on August 31, 2017.² Intelsat expects the LEOP period to last approximately 30 days.

The BSAT-4A LEOP operations will be performed at the following frequencies: 17303.6 MHz and 17300.8 MHz (LHCP) in the uplink; and 11702.9 MHz and 11704.3 MHz (LHCP) in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.³ 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 BSAT-4A LEOP 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 request, Intelsat herewith attaches two waiver requests as Exhibit A and B.

Finally, Intelsat clarifies that during the BSAT-4A LEOP 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

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 The in-orbit testing location for BSAT-4A, which Intelsat understands is licensed by Japan, will be at 104° E.L. The final location of BSAT-4A will be at 110° E.L.

³ SSL, the manager of the BSAT-4A LEOP mission, will handle the coordination.

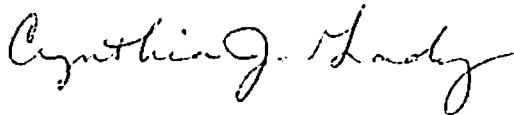
Ms. Marlene H. Dortch
August 3, 2017
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ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the BSAT-4A satellite. This, in turn, will help provide additional capacity from the 110° 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,

A handwritten signature in cursive script, reading "Cynthia J. Grady".

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?

- ☒ 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: Exhibit A Attachment 3: Exhibit B	
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: 10px; margin: 10px 0;"> Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, commencing August 31, 2017, to use its Hagerstown, Maryland Ku-band earth station, call sign KA258, to provide launch and early orbit phase services for the BSAT-4A satellite. BSAT-4A is expected to be launched on August 31, 2017. </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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