


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 Special Temporary Authority Using Hagerstown, Maryland Earth Station E000296

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8538
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-20140806-00643
E000296
Call Sign Grant Date 8-8-14
(or other identifier)
Term Dates 8-10-14 To: 9-10-14
Approved: Paul E. Blaker




Seal of the International Bureau of the FCC, featuring a globe and the text 'INTERNATIONAL BUREAU' and 'COMMUNICATIONS COMMISSION'.

Applicant: Intelsat License LLC
Call Sign: E000296
File No.: SES-STA-20140806-00643
Special Temporary Authority (STA)

Intelsat License LLC is granted extension of the STA that was previously granted under IBFS File No. SES-STA-20140707-00585, under the following conditions, to use its Hagerstown, Maryland earth station, call sign E000296, to provide launch and early orbit phase (LEOP) services to the AsiaSat-8 satellite licensed by China. The satellite's permanent orbital location will be at 105.3 degrees E.L. The in-orbit testing location will be at 105.3 degrees E.L.

1. Uplink to AsiaSat-8 satellite on the 6425.0 MHz and 6429.5 MHz (RHCP) coordinated emission and power limits.
2. Downlink from AsiaSat-8 satellite on the 4198.7 MHz and 4199.4 MHz (LHCP).
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 AsiaSat-8 satellite LEOP mission is as follows: Ph.: (202) 944-7701 - East Coast Operations Center (primary); (310) 525-5900 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell.
4. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, E000296, 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. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
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.

 GRANTED International Bureau	File No. <u>SES-STA-20140806-00643</u>
	Call Sign <u>E000296</u> Grant Date <u>8-8-14</u>
	(or other identifier)
	From <u>8-11-14</u> Term Dates <u>To: 9-10-14</u>
Approver: <u>Paul E. Hales</u>	

2. Contact	
Name: Susan H. Crandall	Phone Number: 703-559-7848
Company: Intelsat Corporation	Fax Number: 703-559-8538
Street: 7900 Tysons One Place	E-Mail: susan.crandall@intelsat.com
City: McLean	State: VA
Country: USA	Zipcode: 22102 -5972
Attention: Susan H. Crandall	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 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;"> <p>Intelsat License LLC herein requests an additional 20 days, from August 11, 2014 through August 30, 2014, of the Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland C-band earth station, call sign E000296, to finish providing launch and early orbit phase services for the AsiaSat-8 satellite that was successfully launched</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 Susan H. Crandall	15. Title of Person Signing Assoc. General 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 20 days, from August 11, 2014 through August 30, 2014, of the Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland C-band earth station, call sign E000296, to finish providing launch and early orbit phase services for the AsiaSat-8 satellite that was successfully launched on August 5, 2014, after a two-month delay.

August 6, 2014

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

Re: Request for Further Extension of Special Temporary Authority
Hagerstown, Maryland Earth Station E000296

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 20 days of Special Temporary Authority (“STA”),¹ from August 11, 2014 through August 30, 2014, to use its Hagerstown, Maryland C-band earth station, call sign E000296, to finish providing launch and early orbit phase (“LEOP”) services for the AsiaSat-8 satellite.² AsiaSat-8 was successfully launched on August 5, 2014, after a two-month delay. The LEOP period is expected to last approximately 10 days.

The AsiaSat-8 LEOP operations will continue to be performed in the following frequency bands: 6425.00 MHz and 6429.50 MHz in the uplink (RHCP), and 4198.7 MHz and 4199.4 MHz in the downlink (LHCP). The LEOP operations will be coordinated with all operators of satellites in the LEOP path that use the same frequency bands. All operators of satellites in the LEOP 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 AsiaSat-8 LEOP mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)³
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In support of this extension request, Intelsat incorporates by reference the materials submitted with its original STA request, which contain technical information that demonstrates that the operation of the

¹ Intelsat has filed this STA request, an FCC Form 159, and a filing fee electronically via the International Bureau's Filing System.

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01665, File No. SES-STA-20140707-00585 (July 16, 2014) (Public Notice); *Satellite Communications Services Information; Actions Taken*, Report No. SES-01651, File No. SES-STA-20140512-00343 (May 28, 2014) (Public Notice). The permanent orbital location for AsiaSat-8, which Intelsat understands is licensed by China, will be 105.3° E.L. The in-orbit testing location will be 105.3° E.L.

³ Please note Intelsat's East Coast Operations Center's phone number has changed.

Ms. Marlene H. Dortch
August 6, 2014
Page 2

earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. In the extremely unlikely event that harmful interference should occur due to transmission to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Intelsat also notes that for purposes of the AsiaSat-8 LEOP mission, it is seeking to operate in the aforementioned frequencies at power levels not to exceed 25.5 dBW. The technical information submitted with the original STA request reflects a power level as high as 28.8 dBW because this is the level at which Intelsat might operate in the event an emergency necessitates the use of a higher power level in order to command the satellite.

Finally, Intelsat clarifies that during the AsiaSat-8 launch, the spacecraft will be controlled by Space Systems/Loral, which is the manager of the LEOP mission. Space Systems/Loral 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 Space Systems/Loral. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA further extension request will allow Intelsat to help launch the AsiaSat-8 satellite. This, in turn, will help ensure continuity of service at the 105.3° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-7848.

Respectfully submitted,



Susan H. Crandall
Associate General Counsel
Intelsat Corporation

cc: Paul Blais