

KA258 SES-STA-20141112-00855 IB2014002248
Intelsat License LLC

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 Extension of STA Using Hagerstown, Maryland Earth Station KA258

1. Applicant

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

30 days

"with conditions"



File # SES-STA-2014112-00855

Call Sign KA258 Grant Date 11/21/2014
(or other identifier)

Term Dates
From 11/21/2014 To 12/20/2014

Approved: *Susan H. Crandall*

Application: Intelsat License LLC
Call Sign: KA258
File No.: SES-STA-20141112-00855
Special Temporary Authority (STA)


Intelsat License LLC is granted a STA extension from November 21, 2014 to provide launch and early orbit phase ("LEOP") services for Intelsat 30, Cal Sign KA258. Also to provide telemetry, tracking, and control ("TT&C") services at the in-orbit testing ("IOT") location, 132.0° W.L., and to drift the satellite from the IOT location to Intelsat 30's final location at 95.05° W.L. Finally, Intelsat requests that this STA extension include the ability to continue providing TT&C services to Intelsat 30 at its permanent location of 95.05° W.L. The LEOP and TT&C operations during IOT will be under the following conditions:

1. Intelsat will perform the operations in the uplink frequencies (Earth-to-space): 13750.50 MHz and 14003.50 MHz (LHCP) and the downlink frequencies (space-to-Earth): 11198.00 MHz, 11198.50 MHz, 11199.25 MHz and 11199.75 MHz (RHCP) within coordinated emission and power limits. The maximum EIRP shall not exceed 85 dBW per NTIA manual US 356.
2. During the drift from 132.0° W.L. to the satellite's permanent orbital location 95.05° 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 30 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.
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 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 STA is solely at Intelsat License LLC's risk.

8. Operations in the 13.75-14.0 GHz band may only exceed 85 dBw/carrier if an emergency situation exists and the applicant must notify FCCOperationCenter@fcc.gov of the situation with copy to paul.blais@fcc.gov .”

9. 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.

30 days *"with conditions"*

 GRANTED International Bureau	File # <u>SES-STA-20141112-00855</u>
	Call Sign <u>KA258</u> Grant Date <u>11/21/2014</u> (or other identifier)
	Term Dates From <u>11/21/2014</u> To: <u>12/20/2014</u>
	Approved: <u>Paul E Blais</u>

November 12, 2014

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—from November 16, 2014 through December 15, 2014—of the 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 for Intelsat 30, which was launched on October 16, 2014.² Intelsat also requests extension of its STA to provide telemetry, tracking, and control (“TT&C”) services at the in-orbit testing (“IOT”) location, 132.0° W.L., and to drift the satellite from the IOT location to Intelsat 30’s final location at 95.05° W.L. Finally, Intelsat requests that this STA extension include the ability to continue providing TT&C services to Intelsat 30 at its permanent location of 95.05° W.L.

Intelsat 30 has completed IOT at 132.0° W.L. and is currently drifting to 95.05° W.L. The satellite is expected to be on-station at 95.05° W.L. on or around November 21, 2014.

The Intelsat 30 operations will continue to be performed using the following frequencies: 13750.50 MHz and 14003.50 MHz in the uplink (LHCP), and 11198.00 MHz, 11198.50 MHz, 11199.25 MHz, and 11199.75 MHz in the downlink (RHCP). Intelsat will continue to coordinate with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, and are potentially affected by these operations at the 95.05° W.L. location.³ 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.

The 24x7 contact information for the Intelsat 30 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 \$195.00 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-01691, File No. SES-STA-20140917-00735 (Oct. 15, 2014) (Public Notice).

³ Intelsat will continue to handle the coordination.

Ms. Marlene H. Dortch
November 12, 2014
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Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference the exhibit A submitted with its original STA request, 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. Intelsat also notes that for purposes of the Intelsat 30 mission, it is seeking to operate in the frequencies listed in this request at power levels not to exceed 22.9 dBW.

Grant of this STA extension request will allow Intelsat to complete the Intelsat 30 launch mission and to ensure safe station-keeping of the satellite. This, in turn, will help ensure continuity of service at the 95.05° W.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,



Susan H. Crandall
Associate General Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact			
Name:	Susan H. Crandall	Phone Number:	703-559-7848
Company:	Intelsat Corporation	Fax Number:	703-559-8539
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 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, from November 16, 2014 through December 15, 2014, of the 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 continued TT&C services, for Intelsat 30, which was</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.	<p style="text-align: center;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Assoc. General Counsel, Intelsat Corporation
<p style="text-align: center;">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).</p>	

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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, from November 16, 2014 through December 15, 2014, of the 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 continued TT&C services, for Intelsat 30, which was launched on October 16, 2014.