

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Extension of STA for Earth Station KA258 to Provide LEOP Services for the SES-5 Satellite

I. Applicant

<b>Name:</b>	Intelsat License LLC	<b>Phone Number:</b>	202-944-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	c/o Intelsat Corporation 3400 International Drive, N.W.	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H. Crandall		



File # SES-STA-20120711-00645  
 Call Sign KA258 Grant Date 7-13-12  
 (or other identifier)  
 Term Dates  
 From 7/14/2012 To: 8/13/2012  
 Approved: Paul E. Gray

<b>2. Contact</b>	
<b>Name:</b>	Susan H. Crandall
<b>Company:</b>	Intelsat Corporation
<b>Street:</b>	3400 International Drive, N.W.
<b>Phone Number:</b>	202-944-7848
<b>Fax Number:</b>	202-944-7870
<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington
<b>State:</b>	DC
<b>Country:</b>	USA
<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H. Crandall
<b>Relationship:</b>	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;">Intelsat License LLC herein requests a 30-day extension, from July 15, 2012 through August 13, 2012, 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 for the SES-5 satellite that was launched on July 9, 2012.</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.      Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Asst. 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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**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.**

July 11, 2012

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> 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 a 30-day extension -- from July 15, 2012 through August 13, 2012 -- of the Special Temporary Authority ("STA")<sup>1</sup> 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 the SES-5 satellite that was launched on July 9, 2012.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The SES-5 LEOP operations will continue to be performed in the following frequency bands: 14250.5 MHz and 14499.5 MHz (uplink, RHCP) and 11700.25 MHz, 11698.25 MHz, 11703.3 MHz and 11699.875 MHz (downlink, R/LHCP).

The SES-5 satellite is licensed by the Administration of Sweden. In support of this extension request, Intelsat incorporates by reference Exhibits A and B, which were submitted with its original STA request. Specifically Exhibit A is a waiver request for limited authority for its KA258 earth station to communicate with a foreign-licensed satellite and Exhibit B is a waiver request regarding the requirement in footnote NG104 of the FCC's rules limiting use of these frequencies to international services.

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01459, File No. SES-STA-20120523-00470 (June 20, 2012) (Public Notice). The permanent orbital location for SES-5 will be 5.0° E.L. The satellite will be in-orbit tested at 5.2° E.L.

<sup>3</sup> Intelsat is seeking authority through August 13, 2012 to accommodate unexpected delays.

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Intelsat does not seek protection for its KA258 earth station with respect to receive operations in the 11700.25 MHz, 11698.25 MHz, 11703.3 MHz and 11699.875 MHz frequencies. To the extent necessary, Intelsat includes herewith as Exhibit B a waiver request regarding the requirement in footnote NG104 of the FCC's rules limiting use of these frequencies to international services.

The uplink EIRP for transmissions in the 14250.5 MHz and 14499.5 MHz frequencies is not expected to exceed 88 dBW. This level is within the parameters of the KA258 permanent license modification application currently pending at the Commission.

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> As such, there would be no risk of interference with respect to lawfully operating, co-frequency radiocommunication facilities. Nevertheless, 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. 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.

The 24x7 contact information for the SES-5 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.

Grant of this STA extension request will allow Intelsat to help launch the SES-5 satellite to the 5.0° E.L. location. This, in turn, will help ensure continuity of service at that location and thereby promotes the public interest.

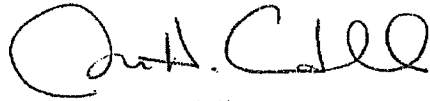
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<sup>4</sup> Space Systems Loral, which is managing the SES-5 launch mission, is handling the coordination.

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Please direct any questions regarding this STA extension request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with the first name "Susan" being the most prominent.

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Paul Blais