

E140121 SES-STA-20170515-00567 IB2017001330  
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 Further Extension of STA for Hagerstown, Maryland Earth Station E140121 to Provide TT&C for SKY-B1 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		



File # SES-STA-20170515-00567  
Call Sign E140121 Grant Date 5-22-17  
(or other identifier)  
Term Dates  
From: 5-22-17 To: 7-21-17  
Approved: [Signature]



File # SES-STA-20170515-00567  
E140121  
Call Sign E140121 Grant Date 5-22-17  
(or other identifier)  
Term Dates  
From: 5-22-17 To: 7-21-17  
Approved: Paul E. [Signature]

Applicant: Intelsat License LLC  
File No.: SES-STA-20170515-00567  
Call Sign: E140121  
Special Temporary Authority (STA)

Intelsat License, LLC, is granted a STA extension from SES-STA-20170412-00377 for 60 days, beginning May 22, 2017, to operate its fixed earth station in Hagerstown, Maryland, call-sign E140121, to provide telemetry, tracking, and command (TT&C) to Sky-B1 on-station at 43.15° W.L., using the following center frequencies: 13249.50 MHz and 14498.00 MHz (Earth-to-space), and 11443.00 MHz, 11443.50 MHz, 11444.50 MHz, 11446.50 MHz and 11447.00 MHz (space-to-Earth) under the following conditions:

1. All operations must be within the coordinated emission and power limits.
2. During the drift to the satellite's permanent orbital location 43.15° W.L., Intelsat will coordinate with operators of co-frequency satellites in the drift path.
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 Sky-B1 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 STA shall be on an unprotected and non-harmful interference basis. Intelsat's E140121 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 STA, Intelsat License LLC, E140121, 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. Operations during the period May 19, 2017 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F. R. § 1.62.
8. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.
9. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

<b>2. Contact</b>			
<b>Name:</b>	Cynthia J. Grady	<b>Phone Number:</b>	703-559-6949
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	703-559-8539
<b>Street:</b>	7900 Tysons One Place	<b>E-Mail:</b>	cynthia.grady@intelsat.com
<b>City:</b>	McLean	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22102 -5972
<b>Attention:</b>		<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 53.1 N			

9. State MD	10. Longitude (dd mm ss.s h) 77 45 22.3 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.) Intelsat License LLC herein requests an additional 60 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide telemetry, tracking, and command to SKY-B1 on-station at 43.15 W. L. SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017. Intelsat has a	
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 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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## **12. Description**

Intelsat License LLC herein requests an additional 60 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide telemetry, tracking, and command to SKY-B1 on-station at 43.15 W.L. SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017. Intelsat has a pending application for authority to modify the license for this antenna on a permanent basis.



INTELSAT

Envision. Connect. Transform.

May 15, 2017

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 E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 60 days of Special Temporary Authority (“STA”)<sup>1</sup> previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide telemetry, tracking, and command (“TT&C”) to SKY-B1 on-station at 43.15° W.L.<sup>2</sup> SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017.<sup>3</sup> Intelsat has a pending application for authority to modify the license for this antenna on a permanent basis.<sup>4</sup>

The SKY-B1 TT&C operations will continue to be performed using the following frequencies: 13249.5 MHz (V & CP) and 14498.00 MHz (H & CP) in the uplink; and 11443 MHz (V & CP), 11443.5 MHz (V & CP), 11444.5 MHz (H & CP), 11446.5 MHz (V & CP), and 11447 MHz (V & CP) in the downlink. The SKY-B1 operations will be coordinated with all operators of satellites that use the same frequency bands.<sup>5</sup> 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 SKY-B1 mission is as follows:

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<sup>1</sup> 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”).

<sup>2</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01950, File No. SES-STA-20170412-00377 (Apr. 26, 2017) (Public Notice). Intelsat’s previous STA request also included launch and early orbit phase (“LEOP”) services, TT&C during in-orbit testing, in-orbit testing, and TT&C for the satellite’s drift to 43.15° W.L. LEOP services, IOT, and the drift are now complete. See Letter from Jennifer D. Hindin, Counsel for DIRECTV Enterprises, LLC, to Ms. Marlene H. Dortch, FCC, File Nos. SAT-MOD-20170221-00019, SAT-MOD-20150806-00054, SAT-RPL-20140221-00026, Call Sign S2922 (Mar. 28, 2017).

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-01221, File No. SAT-STA-20170302-00032 (Mar. 10, 2017) (Public Notice).

<sup>4</sup> See *Intelsat License LLC, Modification of Hagerstown, MD Earth Station E140121 License to add SKY-B2 (S2922) as a Point of Communications*, File No. SES-MOD-29170415-00385 (filed Apr. 15, 2017).

<sup>5</sup> Intelsat will handle the coordination.

Ms. Marlene H. Dortch  
May 15, 2017  
Page 2

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

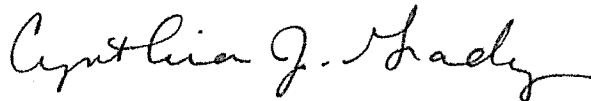
Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, Intelsat incorporates by reference Exhibit A and Exhibit B provided with its original request,<sup>6</sup> and a supplement,<sup>7</sup> which contain technical information that demonstrates that the operations of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility 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.

Grant of this further extension STA request will help ensure safe station-keeping of the SKY-B1 satellite and continuity of service at the 43.15° W.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,



Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais

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<sup>6</sup> See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01931, File No. SES-STA-20170125-00059 (Feb. 22, 2017) (Public Notice).

<sup>7</sup> See Letter from Cynthia J. Grady, Regulatory Counsel for Intelsat Corporation, to Ms. Marlene H. Dortch, FCC, File No. SES-STA-20170125-00059 (Feb. 1, 2017).