

IB2017000643

SES-STA-20170310-00257

E140121
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 for Hagerstown, Maryland Earth Station E140121 to Provide TT&C and IOT Services for SKY-B1 Satellite

I. 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-20170310-00257
E140121
Call Sign 32017 Grant Date 3-20-17
(or other identifier)
Term Dates
From: 3-21-17 To: 4-20-17
Approved: [Signature]

Applicant: Intelsat License LLC
Call Sign: E140121
File No.: SES-STA-20170310-00257
Special Temporary Authority (STA)



File # SES-STA-20170310-00257
Call Sign E140121 Grant Date 3-20-17
(or other identifier)
Term Dates
From: 3-21-17 To: 4-20-17
Approved: Paul E. Blaes

Intelsat License LLC- Inc. is granted a special temporary authority for 30 days, commencing March 21, 2017, to use its Hagerstown, Maryland earth station to provide launch and early orbit phase ("LEOP") services for the SKY-B1 satellite at 33.0° W.L. orbital location as it proceeds to its final 43.1° W.L. orbital location on frequencies 13249.5 MHz (V & CP) and 14498.00 (H & CP) (Earth-to-space) 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) (space-to-Earth); and IOT operations will be performed in frequency bands 10700 – 11450 MHz and 12.75 – 13.25 MHz under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested and coordinated.
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 SKY-B1 satellite mission is as follows: Ph.:(703) 559-7701 –East Coast operations Center (primary); (310) 525-5591 –West Coast Operations Center (back-up). Requests to speak with Harry Burnham or Kevin Bell.
3. 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 and notify the FCC in writing.
4. Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measure must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat Inc's risk.
6. Continued operations of this earth station with SKY-B1 satellite at 33.0° W.L. orbital location as it proceeds to its final 43.1° W.L. orbital location during this extension was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. §1.62.

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 upon release.

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 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 30 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 during in-orbit testing at 33.0 W.L. for SKY-B1; IOT services at 33.0 W.L.; TT&C during the drift of SKY-B1 to its final	
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 ☒ 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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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 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 during in-orbit testing at 33.0 W.L. for SKY-B1; IOT services at 33.0 W.L.; TT&C during the drift of SKY-B1 to its final location of 43.1 W.L.; and TT&C on-station at 43.1 W.L. SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017.

March 9, 2017

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 E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 33.0° W.L. for SKY-B1; IOT services at 33.0° W.L.; TT&C during the drift of SKY-B1 to its final location of 43.1° W.L.; and TT&C on-station at 43.1° W.L.² SKY-B1, a U.S. licensed satellite,³ was launched on February 14, 2017. The IOT and drift are expected to last approximately 30 days and 15 days, respectively.

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 IOT operations will continue to be performed in the following frequency bands: 10.7 – 11.45 GHz and 12.75 – 13.25 GHz. The SKY-B1 operations will be coordinated with all operators of satellites that use the same frequency bands and are in the drift path, or are potentially affected by these operations at the IOT location.⁴ 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:

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 Intelsat’s previous STA request also included launch and early orbit phase (“LEOP”) services. LEOP services are now complete. *See Satellite Communications Services Information; Actions Taken*, Report No. SES-01931, File No. SES-STA-20170125-00059 (Feb. 22, 2017) (Public Notice).

³ *See Policy Branch Information; Actions Taken*, Report No. SAT-01158, File No. SAT-RPL-20140221-00026 (May 13, 2016) (Public Notice).

⁴ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
March 9, 2017
Page 2

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

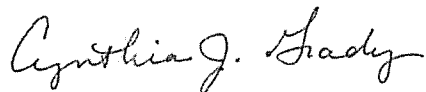
Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibit A, Exhibit B, and a supplement,⁵ 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 STA extension request will allow Intelsat to help launch and test the SKY-B1 satellite. This, in turn, will help support expansion of DTH services from the 43.1° 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

⁵ 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).