

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 Special Temporary Authority Using Hagerstown, MD Earth Station E170081 to Provide
TT&C/Communications Services 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 **E-Mail:** susan.crandall@intelsat.com
7900 Tysons One Place
City: McLean **State:** VA
Country: USA **Zipcode:** 22102 -5972
Attention: Susan H. Crandall



File # SES-STA-20170522-00576
E170081
Call Sign S288-A Grant Date 5/25/17
(or other identifier)
Term Dates
From: 5-28-17 To: 7-27-17
Approved: [Signature]

Applicant: Intelsat License LLC
Call Sign: E170081
File No.: SES-STA-20170522-00576
Special Temporary Authority (STA)



File # SES-STA-20170522-00576
Call Sign E170081 Grant Date 5-25-17
(or other identifier)
Term Dates
From: 5-28-17 To: 7-27-17
Approved: Paul E. Glass

Intelsat License LLC is granted extension of STA, for 60 days, beginning May 28, 2017 to operate its fixed earth station in Hagerstown, Maryland located at 39° 35' 53.8" N.L, 077° 45' 20.8" W.L to provide telemetry, tracking, and control (TT&C) functions and communications services for SKY-B1 satellite (Call Sign S2922) at 43.15° W.L. will be under the following conditions:

1. TT&C operations with the coordinated power emission carrier 1M00G7D in the 13249.5 MHz (V) and 14498 MHz (H) uplink frequencies (Earth-to-space), and the coordinated emission carrier 500KG7D in the downlink frequencies (space-to-Earth): 11443 MHz, 11447 MHz, 11443.5 MHz and 11446.5 MHz (V).
2. Communications operations will be operated on 12750-13250 MHz and 13750-14500 MHz uplink frequencies and 11450-11700 MHz and 11700-12200 MHz in the downlink frequencies.
3. Use of the frequency band 13.75-14.00 GHz shall comply with United States Footnotes US356 (used to be S5.502) and US357 (used to be S5.503) in the Section 2.106 and the Section 25.204 (f) of the Commission's Rules.
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 and notify the FCC in writing.
5. 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.
6. In the event of any harmful interference under this grant of STA, Intelsat License LLC E170081 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
7. 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 measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
8. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for

general population/uncontrolled exposure, as defined in these rule sections. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.

9. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application FCC IBFS File number SES-LIC-20170310-00256.

10. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

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.

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?	
<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 53.8 N

9. State MD	10. Longitude (dd mm ss.s h) 77 45 20.8 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 E170081, to provide telemetry, tracking, and command and communications services for the SKY-B1 satellite (S2922) at 43.15 W.L. Intelsat has a pending permanent license	
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. <input checked="" type="radio"/> Yes <input type="radio"/> 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).	

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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 60 days of Special Temporary Authority previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station, call sign E170081, to provide telemetry, tracking, and command and communications services for the SKY-B1 satellite (S2922) at 43.15 W.L. Intelsat has a pending permanent license application for this antenna.



INTELSAT

Envision. Connect. Transform.

May 19, 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 E170081

Dear Ms. Dortch:

IntelSat License LLC (“IntelSat”) herein requests an additional 60 days of Special Temporary Authority (“STA”)¹ previously granted IntelSat to use its Hagerstown, Maryland Ku-band earth station—call sign E170081—to provide telemetry, tracking, and command (“TT&C”) and communications services for the SKY-B1 satellite (S2922) at 43.15° W.L.² IntelSat has a pending permanent license application for this antenna.³

The SKY-B1 TT&C operations will continue to be performed using the following frequencies:

- 13249.5 MHz and 14498 MHz in the uplink; and
- 11443 MHz, 11447 MHz, 11443.5 MHz, and 11446.5 MHz in the downlink.

The SKY-B1 communications operations will continue to be performed using the following frequency bands:

- 12750-13250 MHz and 13750-14500 MHz in the uplink; and
- 11450-11700 MHz and 11700-12200 MHz in the downlink.

In further support of this extension request, IntelSat herewith incorporates by reference the technical information previously provided regarding the operations of E170081.⁴ In addition, IntelSat will take all

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 See *Policy Branch Information; Actions Taken*, Report No. SAT-01237, File No. SAT-MOD-20170221-00019 (May 12, 2017) (Public Notice).

³ See *Satellite Communications Services; Satellite Radio Applications Accepted For Filing*, Report No. 01944, File No. SES-LIC-20170310-00256 (Apr. 5, 2017) (Public Notice).

⁴ *Id.*

Ms. Marlene H. Dortch
May 19, 2017
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practical steps to protect radio astronomy services and will operate on a non-protected, non-interference basis. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

The operations with SKY-B1 at 43.15° W.L. will be consistent with Intelsat's coordination agreements for the nominal 43° W.L. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

Grant of this STA extension 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