

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 Using Hagerstown, Maryland Earth Station KA258 to Provide TT&C 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 7900 Tysons One Place | E-Mail: | susan.crandall@intelsat.com |
| City: | McLean | State: | VA |
| Country: | USA | Zipcode: | 22102 -5972 |
| Attention: | Susan H Crandall | | |

30 days "Extension with condition"
File # SES-STA-20170515-00565
Call Sign KA258 Grant Date 05/23/2017
(or other identifier)
Term Dates
From 05/23/2017 To 06/22/2017
Approved: [Signature]



Applicant: Intelsat License LLC
File No.: SES-STA-20170515-00565
Call Sign: KA258
Special Temporary Authority (STA)

Intelsat License, LLC, is granted a STA extension from SES-STA-20170412-00376 for 30 days, beginning May 23, 2017, to operate its fixed earth station in Hagerstown, Maryland, call-sign KA258, to provide telemetry, tracking, and command (TT&C) functions for Sky-B1 satellite, during the in-orbit testing (IOT) at 33.0° W.L. and drift to its final location of 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 KA258 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, 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. 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.



"Extension with conditions"
File # SES-STA-20170515-00565
Call Sign KA258 Grant Date 05/22/2017
(or other identifier)
Term Dates
From 05/23/2017 To 06/22/2017
Approved: Paul E. [Signature]



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 KA258

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 KA258—to provide telemetry, tracking, and command ("TT&C") to SKY-B1 on-station at 43.15° W.L.² SKY-B1, a U.S. licensed satellite, was launched on February 14, 2017.³ IntelSat has a pending application for authority to modify the license for this antenna on a permanent basis.⁴

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.⁵ 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 See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01950, File No. SES-STA-20170412-00376 (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).

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

⁴ See *Satellite Communications Services; Satellite Radio Applications Accepted For Filing*, File No. SES-MOD-20170415-00386 (May 10, 2017) (Public Notice).

⁵ IntelSat will handle the coordination.

Ms. Marlene H. Dortch
May 15, 2017
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Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

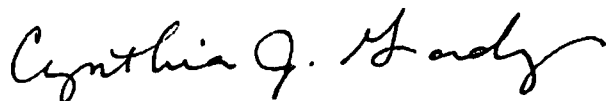
Request to speak with Harry Burnham or Kevin Bell.

In further support of this further extension request, Intelsat incorporates by reference Exhibits A, B, and C provided with its original request,⁶ which contain 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, a waiver request, and a 13 GHz Report. 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

⁶ See *Satellite Communications Services Information: Actions Taken*, Report No. SES-01931, File No. SES-STA-20170125-00060 (Feb. 22, 2017) (Public Notice).

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 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; margin: 10px 0;"> 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 KA258, 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. </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. <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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