

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for 180-Day STA Using Hagerstown, Maryland Earth Station E140121 to Provide LEOP Services for SES-14

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-20171120-01266
Call Sign E140121 Grant Date 01/24/2018
(or other identifier)
Term Dates
From: 01/24/2018 To: 07/23/2018
Approved: [Signature]

Applicant: Intelsat License LLC
Call Sign: E140121
File No.: SES-STA-20171120-01266

Intelsat License LLC ("Intelsat") is granted special temporary authority (STA) for 180 days, beginning January 24, 2018, to operate its Hagerstown, MD earth station with SES-14(S2974) satellite to provide Launch and early orbit phase ("LEOP") services on frequencies 14000.5 MHz, 14002.0 MHz, 14003.5 MHz, 14495.0 MHz, 14496.5 MHz, 14498.0 MHz, and 14499.5 MHz (Earth-to-space) and 10953.0 MHz, and 12198.0 MHz (space-to-Earth) to provide additional capacity from the 47.5° W.L. orbital location under the following conditions:

1. All operations under this grant of STA shall be on an unprotected and noninterference basis and Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
2. 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 Intelsat 16 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.
3. Intelsat will maintain full operational control with SES-14 (S2974) at all times.
4. Intelsat will maintain SES-14 (S2974) with an east-west longitudinal station-keeping tolerance of +/- 0.05 degree at 47.5° W.L. orbital location.
5. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat.
7. Pursuant to footnote US342 of the United States Table of Frequency Allocation, 47 CFR § 2.106, services operating in the 14.47-14.50 GHz band shall take all practicable steps to protect the radio astronomy service from harmful interference.
8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
9. All operations must be within the relevant requested operational parameters in IBFS File No. SAT-MPL-20170606-00083.

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.



File # SES-STA-20171120-01266
Call Sign E140121 Grant Date 01/24/2018
(or other identifier)
Term Dates
From: 01/24/2018 To: 07/23/2018
Approved: Paul E. Hester



INTELSAT.

Envision. Connect. Transform.

November 20, 2017

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 180 days, commencing January 23, 2018, to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide launch and early orbit phase (“LEOP”) services for the SES-14 satellite. SES-14 is expected to be launched on January 23, 2018.² Intelsat expects the LEOP period to last approximately 180 days.³

The SES-14 LEOP operations will be performed at the following frequencies: 14000.5 MHz, 14002.0 MHz, 14003.5 MHz, 14495.0 MHz, 14496.5 MHz, 14498.0 MHz, and 14499.5 MHz (CP) in the uplink; and 10953.0 MHz and 12198.0 MHz (CP) in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ 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.

The 24x7 contact information for the SES-14 LEOP 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.

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 Both the in-orbit testing location and final orbital location for SES-14 will be 47.5° W.L. The satellite has been granted U.S. market access. *See Satellite Policy Branch Information, Actions Taken, Report No. SAT-01266, File No. SAT-MPL-20170606-00083 (Sept. 8, 2017) (Public Notice).*

³ Intelsat is seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite.

⁴ Airbus, the manager of the SES-14 LEOP mission, will handle the coordination.

Ms. Marlene H. Dortch
November 20, 2017
Page 2

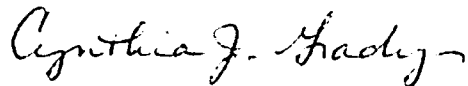
In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the SES-14 LEOP mission, Airbus will serve as the mission manager. Airbus will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Airbus. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the SES-14 satellite. This, in turn, will help provide additional capacity from the 47.5° 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

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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 180 days, commencing January 23, 2018, to use its Hagerstown, Maryland Ku-band earth station, call sign E140121, to provide launch and early orbit phase services for the SES-14 satellite. SES-14 is expected to be launched on January 23, 2018.</p> </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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.