

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
30-day Extension of Special Temporary Authority to Use Ellenwood, Georgia Earth Station E170122 to Provide LEOP for AMOS-17

1. Applicant

Name: Intelsat License LLC Phone Number: 703-559-7848
DBA Name: Fax Number: 703-559-8539
Street: c/o Intelsat US LLC E-Mail: susan.crandall@intelsat.com
7900 Tysons One Place
City: McLean State: VA
Country: USA Zipcode: 22102 -5972
Attention: Susan H. Crandall

"Extension with conditions"

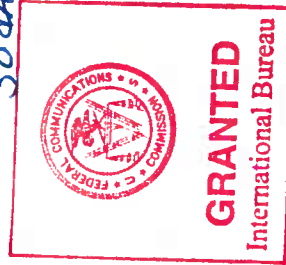
30 days

File # SES-STA-20190806-01013

Call Sign E170122 Grant Date 08/12/2019
(or other identifier)

Term Dates
From: 08/12/2019 To: 09/11/2019

Approved: 



2. Contact	
Name: Cynthia J. Grady	Phone Number: 703-559-6949
Company: Intelsat US LLC	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: Ellenwood	8. Latitude (dd mm ss.s h) 33 39 52.8 N

9. State GA	10. Longitude (dd mm ss.s h) 84 16 12.0 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;"> <p>Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted to Intelsat to use its Ellenwood, Georgia Ku-band earth station (Call Sign E170122) to provide launch and early orbit phase services for the AMOS-17 satellite.</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"; 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 Senior Counsel, Intelsat US LLC
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.

Applicant: Intelsat License LLC
Call Sign: E170122
File No.: SES-STA-20190806-01013
Special Temporary Authority ("STA")

Intelsat License LLC is granted extension of STA, for 30 days, to provide launch and early orbit phase ("LEOP") services for the Turkmenistan-licensed AMOS-17 satellite scheduled for in-orbit testing at location 13.8° E and permanent orbital location 17° E from geographic coordinates 33° 39' 52.8" N, 084° 16' 12.0" W in Ellenwood, Georgia. The services will be under the following conditions:

1. Intelsat will perform LEOP operations using the 16.4-m General Dynamic antenna ID K28 fixed earth station with frequencies: 14497.5 MHz and 14499.5 MHz (RHCP) (Earth-to-space) and in the 11499.0 MHz and 11699.5 MHz (LHCP) (space-to-Earth) with the coordinated emission designation and power levels.
2. 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.
3. In the event of any harmful interference under this grant of STA, Intelsat License LLC E170122 must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. The LEOP operations, cooperative efforts from Boeing and Intelsat, 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 AMOS-17 satellite 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.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
6. Operations of this station during the period from expiration of August 9, 2019, FCC IBFS file number SES-STA-20190521-00659 to the grant of this special temporary authority was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.
7. 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.

"
EXTENSION WITH CONDITIONS"

30 days



File # SES-STA-20190806-01013

Call Sign E170622 Grant Date 08/12/2019
(or other identifier)

Term Dates
From: 08/12/2019 To: 09/11/2019

Approved: Paul E. Alder



INTELSAT.

Envision. Connect. Transform.

August 6, 2019

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Request for Extension of Special Temporary Authority
Ellenwood, Georgia Earth Station E170122

Dear Ms. Dortch:

IntelSat License LLC (“IntelSat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted to IntelSat to use its Ellenwood, Georgia Ku-band earth station (Call Sign E170122) to provide launch and early orbit phase (“LEOP”) services for the AMOS-17 satellite.² AMOS-17 was originally expected to launch on July 10, 2019, and is now expected to launch no earlier than August 6, 2019.³ IntelSat expects the LEOP period to last approximately 6 days.⁴

The AMOS-17 operations will be performed at the following frequencies: 14497.5 MHz and 14499.5 MHz (RHCP) in the uplink; and 11449.0 MHz and 11699.5 MHz (LHCP) in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands

¹ IntelSat has filed its STA request, FCC Form 159, a \$210.00 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-02173, File No. SES-STA-20190521-00659 (Public Notice) (June 19, 2019).

³ The in-orbit testing location for AMOS-17, which IntelSat understands is licensed by Israel, will be 13.8° E.L. The satellite’s final location will be 17.0° E.L.

⁴ IntelSat also has authority to use KA258 to support the AMOS-17 LEOP mission. See *Application of IntelSat License LLC for Grant of Special Temporary Authority for Hagerstown, Maryland Earth Station KA258*, File No. SES-STA-20190521-00633 (granted Aug. 1, 2019).

Ms. Marlene H. Dortch
August 6, 2019
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and are in the LEOP path.⁵ 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 AMOS-17 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.

In further support of this request, Intelsat incorporates by reference Exhibit A, a waiver request, included with its original request.⁶ 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 AMOS-17 LEOP mission, Boeing will serve as the mission manager. Boeing 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 Boeing. 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 extension request will allow Intelsat to help launch the AMOS-17 satellite. This will help provide communication services to Africa at the 17.0° E.L. location and thereby promotes the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Federal Communications Commission grant this STA extension request. Please direct any questions regarding this request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

cc: Paul Blais

⁵ Boeing, the manager of the AMOS-17 mission, will handle the coordination.

⁶ *See supra* n. 2 at Exhibit A.