

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for an Additional 30 days of Special Temporary Authority to Use Fillmore, California Earth Station E4132 to Provide TT&C Services for Intelsat 901

1. Applicant

Name:	Intelsat License LLC	Phone Number:	703-559-7848
DBA Name:		Fax Number:	703-559-8539
Street:	c/o Intelsat US LLC 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 "with conditions"
 File # SES-STA-20200128-00083
 Call Sign E4132 Grant Date 02/28/2020
 (or other identifier)
 Term Dates
 From: 02/28/2020 To: 03/28/2020
 Approved: *[Signature]*



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/Fillmore	
8. Latitude (dd mm ss.s h) 34 24 22.0 N	

9. State CA	10. Longitude (dd mm ss.s h) 118 53 34.0 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.) Intelsat License LLC herein requests an additional 30 days of Special Temporary Authority previously granted to Intelsat to use its Fillmore, California C-band earth station to provide telemetry, tracking, and command services for Intelsat 901 prior to, during, and after its docking mission with MEV-1.	
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 <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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Applicant: Intelsat License LLC
Call Sign: E4132
File No.: SES-STA-20200128-00083
Special Temporary Authority ("STA")



"with conditions"
File # SES-STA-20200128-00083

Call Sign E4132 Grant Date 02/28/2020
(or other identifier)

Term Dates
From: 02/28/2020 To: 03/28/2020

Approved: [Signature]

Intelsat License LLC ("Intelsat") is granted special temporary authority for 30 days, beginning February 28, 2020, to operate its Fillmore, California C-band earth station to provide telemetry, tracking, and command ("TT&C") services for Intelsat 901 (S2405) prior to, during, and after its docking mission with MEV-1 (Call Sign S2990). Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft's orbit raising to 300 km above geostationary arc; (2) the spacecraft's docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack ("CVS") with MEV-1 from 300 km above the geostationary arc to 27.5° W.L. on the geostationary arc. TT&C operations will be on the following center frequencies: 6173.7 MHz, and 6176.3 MHz (Earth-to-space); and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz, 3952.50 (space-to-Earth), under the following conditions:

1. All operations shall be on an unprotected and non-harmful interference basis, Intelsat 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 must inform the Commission, in writing, immediately of such an event.
2. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached when harmful interference occurs. Currently the 24x7 contact information for the drift 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. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.
5. Intelsat's operations during the period of February 01, 2020 to the date of this grant were 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.



INTELSAT.

Envision. Connect. Transform.

January 27, 2020

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

Re: Request for Extension of Special Temporary Authority
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted to Intelsat² to use its Fillmore, California C-band earth station (Call Sign E4132) to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 901 (Call Sign S2405)³ prior to, during, and after its docking mission with MEV-1 (Call Sign S2990).⁴

Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft’s orbit raising to 300 km above geostationary arc;⁵ (2) the spacecraft’s docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack (“CVS”) with MEV-1 from 300 km above the

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.

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02230, File No. SES-STA-20191211-01712 (Jan. 8, 2020) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-01397, File No. SAT-MOD-20190207-00009 (Jun. 21, 2019) (Public Notice).

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-01397, File No. SAT-AMD-20190207-00008 (Jun. 21, 2019) (Public Notice).

⁵ Once 300 km above geostationary orbit, the spacecraft will drift West until it rendezvouses with MEV-1. The rendezvouses is expected to occur at approximately 220° E.L.

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geostationary arc to 27.5° W.L.⁶ Intelsat expects the orbit raising, drift, and docking to last approximately 9 weeks and reinsertion to last approximately 45 days. The orbit raising of Intelsat 901 began December 9, 2019.

The Intelsat 901 TT&C operations will continue to be performed at the following frequencies: 3947.5 MHz, 3948.0 MHz, 3952.0 MHz, and 3952.5 MHz (space-to-Earth); and 6173.7 MHz and 6176.3 MHz (Earth-to-space).

Intelsat will continue to follow industry practices for coordinating TT&C transmission during the orbit raising, docking, and reinsertion process. All operators of satellites in the drift path have been provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for operations pursuant to this STA 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 Luis DeSilva or Michael Ryan.

Operations pursuant to this STA extension are within the coordinated operations of the earth station's permanent license. 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 safely dock the MEV-1 satellite to the Intelsat 901 satellite, reinsert the CVS into the geostationary arc, and provide continuity of service at 27.5° W.L. This request thereby promotes the public interest.

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

⁶ While docked with MEV-1, Intelsat 901 will use TT&C for health and telemetry monitoring; Intelsat 901's TT&C will not be used for maneuvers while docked to MEV-1.