


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 to Use Riverside, California Earth Station E060384 to Provide TT&C Services for Intelsat 5 (S2704) Satellite

I. 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		



GRANTED
International Bureau

File # SES-STA-20190903-01177
 Call Sign 060384 Grant Date 11-8-19
 (or other identifier)
 Term Dates From: 11-8-19 To: 1-7-20
 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 SEMFS2019032000332 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. CityRiverside	
8. Latitude (dd mm ss.s h) 33 47 47.3 N	

9. State CA	10. Longitude (dd mm ss.s h) 117 5 15.0 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 60 days of Special Temporary Authority previously granted Intelsat to use its Riverside, California Ku-band earth station (Call Sign E060384) to continue providing telemetry, tracking, and command services for Intelsat 5 on-station at 137.0 W.L.	
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).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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
File No: SES-STA-20190903-01177
Call Sign: E060384
Special Temporary Authority



File # SES-STA-20190903-01177
E060384
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Approved: [Signature]

Intelsat License LLC ("Intelsat") is granted extension of special temporary authorization ("STA") for 60 days to operate its fixed earth station antenna located at geographic coordinates 33° 47' 47.3"N/117° 05' 15"W in Riverside, California to perform tracking, telemetry and command ("TT&C") for Intelsat 5 (Call Sign S2704) on-station at 137° W with center frequencies: 13999 MHz (RHCP) and 14498 MHz (H) (Earth-to space); and 11451 MHz (H, V, and RHCP), 11452 MHz (H, V, and RHCP), and 11454 MHz (RHCP, and LHCP) (space-to-Earth) under the following conditions:

1. Operations shall be on an unprotected, non-interference basis with respect to other authorized stations, including federal stations.
2. Emission carrier 850K0F7D on frequency 13999 MHz shall be operated with eirp of 85 dBW.
3. Intelsat must ensure operations are in accordance with the 47 C.F.R. § 2.106 International Footnote US356: In the band 13.75-14 GHz, an earth station in the fixed-satellite service shall have a minimum antenna diameter of 4.5 m and the e.i.r.p. of any emission should be at least 68 dBW and should not exceed 85 dBW.
4. In addition to the conditions already listed in the application, all operations for the 13999 MHz link with 850KF7D emission shall comply with United States Footnote, US356.
5. Current 24x7 contact information for the Intelsat 5 satellite 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.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's FCC pending application MFS file number SES-MFS-20190320-00332 or future Intelsat applications.
8. Operations of this station during the period expiration 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.

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.



September 3, 2019

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
Riverside, California Earth Station E060384

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 Riverside, California Ku-band earth station (Call Sign E060384) to continue providing telemetry, tracking, and command (“TT&C”) services for IntelSat 5 (Call Sign S2704) on-station at 137.0° W.L.² IntelSat has filed an application to permanently modify this earth station license.³

TT&C operations will continue to be performed in the following frequencies: 14498 MHz (H) and 13999 MHz (RHCP) in the uplink; and 11451 MHz (H, V, and RHCP), 11452 MHz (H, V, and RHCP), and 11454 MHz (RHCP, and LHCP) in the downlink. On-station at 137.0° W.L., IntelSat will continue to operate in conformance with the Federal Communications Commission’s (“Commission”) rules and any relevant coordination agreements.

In further support of this request, IntelSat incorporates by reference Exhibits A-D submitted with its original STA request,⁴ which contain technical information that demonstrates that the operation of the

¹ IntelSat has filed its STA request, an FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² See, e.g., *Satellite Policy Branch Information, Actions Taken*, Report No. SES-02181, File No. SES-STA-20190705-00877 (July 10, 2019) (Public Notice).

³ See IntelSat License LLC Modification of Riverside, California Earth Station, Call Sign E060384, File No. SES-MFS-20190320-00332 (filed March 20, 2019).

⁴ See *Satellite Policy Branch Information, Actions Taken*, Report No. SES-02062, File No. SES-STA-20180504-00489 (May 16, 2018) (Public Notice).

earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, or into Federal systems operating in the 13.75-14.00 GHz band. To provide sufficient interference protection to U.S. Navy shipboard radiolocation operations, Intelsat will continue to operate based on the table provided below for uplink operation in band 13.75-14.00 GHz from Riverside, California. Using the below mentioned power levels, the earth station's signal flux density toward the shoreline will always be less than $-167.0 \text{ dBW/m}^2/4\text{KHz}$. Therefore, there should be no interference to the U.S. Navy radar systems.

<i>Arc</i>	<i>Power</i>
<i>45 to 190 W</i>	<i>76 dBW</i>
<i>45 to 185 W</i>	<i>82 dBW</i>
<i>45 to 180 W</i>	<i>86 dBW</i>
<i>45 to 175 W</i>	<i>88 dBW</i>

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.

The 24x7 contact information for Intelsat 5 TT&C operations 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.

Grant of this further STA extension request will allow Intelsat to continue to safely station-keep Intelsat 5 at the 137.0° W.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

cc: Paul Blais