

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

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		

"With conditions"

30 days

File # SES-STA-20180722-01963

Call Sign E060384 Grant Date 08/01/2018
(or other identifier)

Term Dates
From: 08/02/2018 To: 09/01/2018

Approved: [Signature]



GRANTED
International Bureau

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?			
☒ 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/Riverside		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 30 days of Special Temporary Authority previously granted Intelsat to use its Riverside, California Ku-band earth station, call sign E060384, to provide telemetry, tracking, and command services for Intelsat 5 (Call Sign S2704) during its drift from 156.9 E.L. to 137.0 W.L. and 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 ☒ No ☐
14. Name of Person Signing Cynthia J. Grady	15. Title of Person Signing Regulatory 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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INTELSAT

Envision. Connect. Transform.

July [20], 2018

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 30 days of Special Temporary Authority ("STA")¹ previously granted Intelsat to use its Riverside, California Ku-band earth station—call sign E060384—to provide telemetry, tracking, and command ("TT&C") services² for Intelsat 5 (Call Sign S2704) during its drift from 156.9° E.L. to 137.0° W.L. and on station at 137.0° W.L.³ Intelsat 5 arrived at 137.0° W.L. on May 30, 2018.

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 FCC 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, 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, 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, CA. Using the below mentioned power levels, the earth station's signal flux density toward the shoreline will always be less than -167.0 dBW/m²/4KHz. Therefore, there should be no interference to the U.S. Navy radar systems.

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 *Policy Branch Information; Actions Taken, Report No. SES-02076*, File No. SES-STA-20180606-01070 (July 5, 2018) (Public Notice); *Policy Branch Information; Actions Taken, Report No. SES-02062*, File No. SES-STA-20180504-00489 (May 16, 2018) (Public Notice).

³ Intelsat is also utilizing the following antennas on station for Intelsat 5: KL92, E140121, and KA258.

Ms. Marlene H. Dortch
July [20], 2018
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<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.

Grant of this STA further extension request will allow Intelsat to continue safely station-keep Intelsat 5 at its new location. This, in turn, will help meet a new service demand at the 137.0° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA further extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Regulatory Counsel
Intelsat US LLC

cc: Paul Blais

Applicant: Intelsat License LLC
File No: SES-STA-20180722-01963
Call Sign: E060384
Special Temporary Authority

Intelsat License LLC ("Intelsat") is granted special temporary authorization for 30 days, beginning August 2, 2018, to operate its Riverside, California earth station antenna to perform tracking, telemetry and command ("TT&C") and for Intelsat 5 (Call Sign S2704) during its drift from 156.9° E.L. to 137.0° W.L. and on stations at 137° W.L. on center frequencies: 14498 MHz (H) and 13999 MHz (RHCP) (Earth-to space); and 11451 MHz (H, V, and RHCP), 11452 MHz (H, V, and RHCP), and 11454 MHz (RHCP, and LHCP) in the downlink. 13999 MHz (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. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.
3. Operations from expiration of authority granted under FCC IBFS File No. SES-STA-20180606-01070 were authorized pursuant to 47 CFR 1.62.
4. This grant is issued pursuant to Section 0.26 1 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



"With conditions"

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