

S2934 SAT-STA-20160503-00043 IB2016001024
Intelsat License LLC
IS 31



File # SAT-STA-20160503-00043

Call Sign S2934 Grant Date 05/18/16
(or other identifier)

Term Dates period of
From 06/10/16 To: 30 days

Approved by OMB
3060-0678

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

Date & Time Filed: May 3 2016 5:04:34:313PM
File Number: SAT-STA-20160503-00043
Callsign:

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

Request for Special Temporary Authority to Conduct In-Orbit Testing of the Intelsat 31 Satellite (Call Sign S2934)


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		

ATTACHMENT TO GRANT

Intelsat License LLC

IBFS File No, SAT-STA-20160503-00043

IBFS File No(s):	SAT-STA-20160503-00043	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Intelsat License LLC	
Call Sign:	S2934	
Satellite Name:	Intelsat 31	
Orbital Location: (required station-keeping tolerance)	132.0° W.L. (+/- 0.05 degrees east/west)	
Administration:	United States of America	
Nature of Service:	Fixed-Satellite Service (FSS)	
Scope of Grant:	Special temporary authority for a period of 30 days to perform in-orbit testing (IOT) of Intelsat 31 at the 132.0° W.L. orbital location and to perform Telemetry, Tracking, and Command (TT&C) operations necessary to maintain Intelsat 31 at 132.0° W.L. and to effect drift of Intelsat 31 to its authorized orbital location at 95.05° W.L. upon completion of IOT.	
Service Area(s):	Not Applicable	
Frequencies:	Payload testing frequencies: 3400–3700 MHz (space-to-Earth) 6425–6725 MHz (Earth-to-space) 10.95–11.2 GHz (space-to-Earth) 11.45–12.2 GHz (space-to-Earth) 13.75–14.5 GHz (Earth-to-space) TT&C center frequencies: 11194.25 MHz, 11195.5 MHz, 11196.25 MHz, 11196.75 MHz (space-to-Earth); and 13998.5 MHz and 14006.0 MHz (Earth-to-space).	
<p>Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission’s rules not waived herein. This grant is also subject to the following conditions:</p> <ol style="list-style-type: none"> 1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, <i>i.e.</i>, Intelsat must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. 2. In the event of any harmful interference under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference and must inform the Commission, in writing, immediately of such an event. 3. Intelsat must coordinate the operations of Intelsat 31 with existing geostationary space stations to ensure that no unacceptable interference results from its operations at the 132.0° W.L. orbital location or during drift from the 132.0° W.L. orbital location to the 95.05° W.L. orbital location. 4. Intelsat 31’s operations at the 132.0° W.L. orbital location must be limited to IOT and must not include the provision of commercial services. 5. Intelsat must operate only the TT&C frequencies on Intelsat 31 during the space station's drift from the 132.0° W.L. orbital location to the 95.05° W.L. orbital location. 6. During in-orbit testing, Intelsat must maintain the Intelsat 31 space station within an east-west longitudinal station-keeping tolerance of ±0.05 degrees of the 132.0° W.L. orbital location. 		

ATTACHMENT TO GRANT

Intelsat License LLC

IBFS File No, SAT-STA-20160503-00043

7. IOT operations for Intelsat 31 must comply with the conditions imposed in IBFS File SAT-LOA-20140410-00038.¹

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	May 18, 2016
---------------------	--------------

Term Dates	From: June 10, 2016	To: period of 30 days
-------------------	----------------------------	------------------------------

Approved:



Stephen J. Duall
Chief, Satellite Policy Branch

¹ See Intelsat License LLC's Application for Authority to Launch and Operate Replacement Satellite Intelsat 31 at 95.05° W.L., IBFS File No. SAT-LOA-20140410-00038 (Grant stamp, Nov. 6, 2014).

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 CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date

8. 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 a grant of Special Temporary Authority for 30 days, beginning June 10, 2016 to conduct in-orbit testing of the Intelsat 31 satellite (Call Sign S2934) at 132.0 W.L. and to drift the satellite to its permanent location of 95.05 W. L. Intelsat 31 is scheduled to be launched on May 28, 2016.

9. 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

10. Name of Person Signing
Cynthia J. Grady

11. Title of Person Signing
Regulatory Counsel, Intelsat Corporation

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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.



INTELSAT.

Envision. Connect. Transform.

May 3, 2016

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

Re: Request for Special Temporary Authority to Conduct In-Orbit Testing of the Intelsat 31 Satellite;
Call Sign S2934

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, beginning June 10, 2016 to conduct in-orbit testing (“IOT”) of the Intelsat 31 satellite (Call Sign S2934) at 132.0° W.L. and to drift the satellite to its permanent location of 95.05° W.L.² Intelsat 31 is scheduled to be launched on May 28, 2016. The IOT period is expected to last approximately three weeks and the drift to 95.05° W.L. is expected to last approximately two weeks.

Intelsat 31 IOT payload testing will be performed in the following frequency bands:

- 3400 – 3700 MHz, 10950 – 11200 MHz, 11450 – 12200 MHz (space-to-Earth); and
- 6425 – 6725 MHz and 13750 – 145000 MHz (Earth-to-space).

Telemetry, Tracking, and Command (“TT&C”) services for Intelsat 31 will be performed in the following center frequencies: 11194.25 MHz, 11195.5 MHz, 11196.25 MHz, 11196.75 MHz (space-to-Earth); and 13998.5 MHz and 14006.0 MHz (Earth-to-space).

In support of its request, Intelsat submits the following information.

During the IOT of Intelsat 31, Intelsat will operate in the above referenced C- and Ku-bands. To Intelsat’s knowledge, the only co-frequency, co-coverage, satellite within plus/minus six degrees of 132° W.L. is AMC-1 at 129° W.L. Intelsat is currently in coordination discussions with SES, the operator of AMC-1. Intelsat expects to complete coordination discussions before launch of the Intelsat 31 satellite. In the unlikely event that harmful interference occurs, Intelsat will take all necessary steps to eliminate the interference.

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$930.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01052, File No. SAT-LOA-20140410-00038 (November 7, 2014) (Public Notice). During the drift from 76.5° W.L. to 95.05° W.L., only the satellite’s TT&C frequencies will be utilized. At 95.05° W.L., Intelsat 31 will be co-located with Intelsat 30 (S2887) and Galaxy 3C (S2381).

Ms. Marlene H. Dortch
May 3, 2016
Page 2

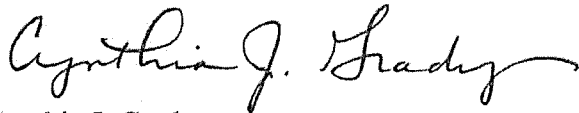
Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations during IOT at 132.0° W.L. Intelsat 31 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite. Further, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 31 at 132.0° W.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 31 at 132.0° W.L. that is the subject of an International Telecommunications Union ("ITU") filing and that is either in orbit or progressing towards launch.

Finally, Intelsat requests that the waivers previously granted to Intelsat 31 at 95.05° W.L. be extended to the satellite at 132.0° W.L. In particular, Intelsat requests that the previously-granted waivers of Sections 25.202(a)(1) and 25.210(f) be extended to the satellite at 132.0° W.L., for the reasons previously set forth in the previous grant.

The IOT of Intelsat 31's C- and Ku-band payloads at 132.0° W.L. is a critical step in ensuring that the satellite will be fully operational at 95.05° W.L. This, in turn, will provide additional capacity to customers at the 95.05° W.L. location, and thereby promotes the public interest.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this request.

Sincerely,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley
Cindy Spiers