

File # SAT-STA-20200421-00038

Call Sign S2411 Grant Date April 23, 2020

(or other identifier)

Term Dates

From April 27, 2020 To: 30 Days

Approved:

Approved by OMB
3060-0678



Date & Time Filed: Apr 21 2020 7:20:16:706PM
File Number: SAT-STA-20200421-00038
Callsign:

*John W. Whelan
Acting Chief
Satellite Policy Branch*

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 for Intelsat 907 (S2411) to drift to and operate at 27.6 W.L.


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		

ATTACHMENT TO GRANT

Intelsat US LLC

IBFS File No. SAT-STA-20200421-00038

IBFS File No(s):	SAT-STA-20200421-00038	<p align="center">GRANTED – With Conditions</p>  <p align="center">International Bureau Satellite Division</p>
Licensee/Grantee:	Intelsat US LLC	
Call Sign:	S2411	
Satellite Name:	Intelsat 907	
Orbital Location: (required station-keeping tolerance)	27.6° W.L. (+/- 0.05 degrees east/west station keeping)	
Administration:	United States of America	
Nature of Service:	Fixed Satellite Service (FSS); Telemetry, Tracking, and Command (TT&C)	
Scope of Grant:	Special temporary authority for a period of 30 days to: (1) conduct TT&C operations necessary to drift Intelsat 907 from the 27.5° W.L. orbital location to the 27.6° W.L. orbital location and maintain it at that location; and (2) provide FSS during the drift to and upon arrival at the 27.6° W.L. orbital location in the 10.95-11.2 GHz, 11.45-11.7 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space) frequency bands.	
Service Area(s):	See Schedule S Tech Report at 5-9 in IBFS File No. SAT-MOD-20171023-00142	
Frequencies:	10.5-11.2 GHz (space-to-Earth) 11.45-11.7 GHz (space-to-Earth) 14.0-14.5 GHz (Earth-to-space) TT&C center frequencies: 6173.5 MHz; 6176.3 GHz (space-to-Earth) 3947.5 MHz, 3948.0 MHz, 3952.0 MHz, 3952.5 MHz (Earth-to-space)	
<p>Unless otherwise specified herein, 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"> Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the Intelsat 907 space station must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event. Intelsat must coordinate the operations of Intelsat 907 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during drift to the 27.6° W.L. orbital location. While at the 27.6° W.L. orbital location, Intelsat must maintain the Intelsat 907 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees. Intelsat must operate Intelsat 907 at the 27.6° E.L. orbital location in compliance with all existing or future coordination agreements for this location. In the absence of a coordination agreement, such communications must comply with applicable provisions of the ITU Radio Regulations as the Commission cannot guarantee the success of the required coordination. Intelsat must continue to comply with the grant conditions set forth in IBFS File No. SAT-MOD-20171023-00142 (granted January 24, 2018). Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat’s own risk. 		
<p>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.</p>		

ATTACHMENT TO GRANT
Intelsat US LLC
IBFS File No. SAT-STA-20200421-00038

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 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:	April 23, 2020	
Term Dates	From: April 27, 2020	To: period of 30 days

Approved:



John W. Whaley
Acting Chief, Satellite Policy Branch

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 CRY - Space Station (Geostationary)	
5. Type Request	
<input checked="" type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date <input type="radio"/> Other
7. Temporary Orbit Location	
27.6 W.L.	7. Requested Extended Expiration Date

<p>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.)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC herein requests a grant of 30 days of Special Temporary Authority, commencing April 27, 2020, to drift Intelsat 907 from 27.5 W.L. to, and operate at, 27.6 W.L</p> </div>					
<p>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 &quot;party to the application&quot;; for these purposes.</p> <p style="text-align: right;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>					
<p>10. Name of Person Signing Cynthia J. Grady</p>	<p>11. Title of Person Signing Senior Counsel, Intelsat US LLC</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td> </td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: STA Request	Attachment 2:		Attachment 3:
Attachment 1: STA Request	Attachment 2:				
	Attachment 3:				
<p style="text-align: center;">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).</p>					

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.



April 21, 2020

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

Re: Request for Special Temporary Authority
Intelsat 907; Call Sign S2411

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of 30 days of Special Temporary Authority ("STA"),¹ commencing April 27, 2020, to drift Intelsat 907 from 27.5° W.L. to, and operate the satellite at, 27.6° W.L. Specifically, Intelsat seeks STA to operate the telemetry, tracking, and command ("TT&C") and Ku-band communications frequencies on the Intelsat 907 during the drift from 27.5° W.L. to 27.6° W.L. and on-station at 27.6° W.L. The drift is expected to take approximately one week. Intelsat is seeking 30 days of STA to operate Intelsat 907 at 27.6° W.L. until the satellite's deorbit, which is planned for next month—May 2020.

Intelsat 907's TT&C frequencies are: 3947.5 MHz, 3948.0 MHz, 3952.0 MHz, and 3952.5 MHz in the uplink; and 6173.7 MHz and 6176.3 MHz in the downlink. Intelsat 907's Ku-band communications frequencies are: 14.0-14.5 GHz in the uplink; and 10.95-11.2 GHz and 11.45-11.7 GHz in the downlink.

The Intelsat 907 and Intelsat 901 (Call Sign S2405)² satellites currently operate in the same station-keeping box at the 27.5° W.L. orbital location.³ Intelsat is seeking this small fleet management move, .1° west, to allow Intelsat to operate Intelsat 907 and Intelsat 901 (as a CVS)

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$945.00 filing fee electronically via the International Bureau's Filing System.

² In February 2020, Intelsat 901 and MEV-1 (Call Sign 2990) successfully docked above the geostationary orbit and the two spacecraft then redeployed to 27.5° W.L. and began operating as a combined vehicle stack ("CVS"). See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01397, File No. SAT-MOD-20190207-00009 (June 21, 2019) ("Intelsat 901 Authorization at 27.5° W.L."); *Policy Branch Information; Actions Taken*, Report No. SAT-01397, File Nos. SAT-LOA-20170224-00021 and SAT-AMD-20190207-00008 (Dec. 8, 2017) (Public Notice).

³ See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01299, File No. SAT-MOD-20171023-00142 (Jan. 26, 2018); Intelsat 901 Authorization at 27.5° W.L. See also Application to Modify Authorization for Intelsat 901, File No. SAT-MOD-20200402-00030 (filed Apr. 2, 2020) (seeking to modify the satellite's beam coverage and extend the satellite's license term).

Ms. Marlene H. Dortch
April 21, 2020
Page 2

in separate station-keeping boxes. Intelsat is seeking STA to better ensure safe station-keeping of Intelsat 901 and Intelsat 907 until the latter's deorbit in a few weeks.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collisions with large debris or other operational space stations. Intelsat 907 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 907 at 27.6° W.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 907 at 27.6° W.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

Intelsat's proposed operations of Intelsat 907 will conform to existing coordination agreements and the Federal Communications Commission's ("Commission") rules governing operations vis-à-vis adjacent locations.

Grant of this STA request is in the public interest because it will allow Intelsat to better ensure the safe station-keeping of Intelsat 901 and Intelsat 907. For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this STA request. Please direct any questions regarding this request to the undersigned at (703) 559-6949.

Sincerely,

/s/ Cynthia J. Grady
Cynthia J. Grady
Senior Counsel
Intelsat US LLC

cc: Jay Whaley
Jennifer Balatan