

S2253 SAT-STA-20190204-00004 IB2019000233
Intelsat License LLC
Galaxy 11



File # SAT-STA-20190204-00004

Call Sign S2253 Grant Date 02/19/19
(or other identifier)

Term Dates period of
From 02/20/19 To: 60 days

Approved by OMB
3060-0678

Approved: *Stephen J. Duall*

Stephen J. Duall
Chief, Satellite Policy Branch

Date & Time Filed: Feb 4 2019 4:59:19:786PM
File Number: SAT-STA-20190204-00004
Callsign:

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
60-day STA to Drift Galaxy 11 to 93.1 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 License LLC
IBFS File No. SAT–STA–20190204–00004

IBFS File No(s):	SAT–STA–20190204–00004	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	Intelsat License LLC	
Call Sign:	S2253	
Satellite Name:	Galaxy 11	
Orbital Location: (required station-keeping tolerance)	93.1° W.L. (+/- 0.05 degrees east/west station keeping)	
Administration:	United States of America	
Nature of Service:	Telemetry, Tracking, and Command (TT&C)	
Scope of Grant:	Special temporary authority for a period of 60 days to conduct TT&C operations necessary to drift Galaxy 11 from the 44.9° E.L. orbital location to the 93.1° W.L. orbital location.	
Service Area(s):	N/A	
Frequencies:	TT&C center frequencies: 11.701 GHz; 11.702 GHz (space-to-Earth) 14.0005 GHz; 14.4985 GHz (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"> 1. Operations pursuant to this special temporary authority must be on an unprotected and non-harmful interference basis, i.e., the Galaxy 11 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. 2. Intelsat must coordinate the operations of Galaxy 11 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during drift to the 93.1° W.L. orbital location. 3. Intelsat must operate only the TT&C frequencies authorized for Galaxy 11 during the space station’s drift to the 93.1° W.L. orbital location. 4. Grant of this special temporary authority is without prejudice to Intelsat’s pending application to modify the authorization for Galaxy 11 to relocate it to the 93.1° W.L. orbital location (SAT-MOD-20181231-00095). 5. 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. 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.</p> <p>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).</p>		
Action Date:	February 19, 2019	
Term Dates	From: February 20, 2019	To: period of 60 days

ATTACHMENT TO GRANT
Intelsat License LLC
IBFS File No. SAT-STA-20190204-00004

Approved:



Stephen J. Duall
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 SATMOD2018123100095 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

93.1 E.L.

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 herein requests 60 days, commencing February 20, 2019, of Special Temporary Authority to drift Galaxy 11 (Call Sign S2253) from 44.9 E.L. to 93.1 W.L.

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
Senior Counsel, Intelsat US LLC

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

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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.



February 4, 2019

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

Re: Request for Special Temporary Authority to Drift Galaxy 11 to 93.1° W.L.
Call Sign: S2253

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests 60 days, commencing February 20, 2019, of Special Temporary Authority (“STA”)¹ to drift Galaxy 11 (Call Sign S2253) from 44.9° E.L. to 93.1° W.L. Intelsat is relocating Galaxy 11 after the successful launch and arrival of Intelsat 38 at 45.0° E.L.² and currently has a pending application for this redeployment.³

The Galaxy 11 satellite is currently operating at 44.9° E.L.⁴ Subject to receipt of Federal Communications Commission (“FCC or Commission”) approval, the satellite will be relocated to

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$980.00 filing fee electronically via the International Bureau’s Filing System.

² Intelsat 38 is a Ku-band satellite authorized by Azerbaijan and is also known as Azerspace-2.

³ See *Intelsat License LLC Modification of Authorization to Redeploy Galaxy 11 (S2253) to 93.1 W.L., Add New Frequencies, and Extend License Term*, File No. SAT-MOD-20181231-00095 (filed Dec. 31, 2018).

⁴ See *Policy Branch Information; Actions Taken*, Report No. SAT-01201, File No. SAT-MOD-20160803-00077 (Nov. 18, 2016) (Public Notice). On January 18, 2019, Galaxy 11 experienced a position-control anomaly. The anomaly has been corrected and the thrusters currently are working as expected. Intelsat does not expect this event to affect the drift of Galaxy 11 or its future operations. See Email from Vejon Cummings, Federal Communications Commission Operations Center, to Cynthia Grady, Intelsat US LLC (Jan. 18, 2019); Letter from Cynthia J. Grady, Intelsat US LLC to Marlene H. Dortch, Federal Communications Commission (Jan. 18, 2019).

93.1° W.L. where it will replace Galaxy 25 (Call Sign S2154).⁵ The drift of Galaxy 11 is expected to begin after the transfer of traffic to Intelsat 38 and to take approximately six months. Additionally, Intelsat expects to begin inclined orbit operations during the satellite's drift to 93.1° W.L.

During the drift of Galaxy 11 Intelsat will only utilize the satellite's telemetry, tracking, and control ("TT&C") frequencies and will follow industry practices for coordinating TT&C transmission during the relocation process. The TT&C frequencies are as follows: 14000.5 MHz, 14498.5 MHz, 11701 MHz, and 11702 MHz.

Grant of this STA request will not result in increased risk of harmful interference. As noted above, Intelsat will operate only the above listed TT&C frequencies during the drift and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference.

Further, 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. Galaxy 25 is currently operating at 93.1° W.L.⁶ and will be redeployed to a new location in 2019. 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 Galaxy 11 at 93.1° W.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Galaxy 11 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

Grant of this STA request is in the public interest because it will allow Intelsat to redeploy Galaxy 11 following the launch of, and transfer of traffic to Intelsat 38, thereby maximizing the use of on-orbit resources.

⁵ See *Policy Branch Information; Actions Taken*, Report No. SAT-01203, File No. SAT-MOD-20161004-00097 (Dec. 9, 2016) (Public Notice). Galaxy 25 will be relocated mid-2019.

⁶ See *Policy Branch Information; Actions Taken*, Report No. SAT-01203, File No. SAT-MOD-20161004-00097 (Dec. 9, 2016) (Public Notice).

Ms. Marlene H. Dortch
February 4, 2019
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For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this STA request. Please direct any questions regarding this supplement to the undersigned at (703) 559-6949.

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady
Senior Counsel
Intelsat US LLC

cc: Stephen Duall
Jay Whaley
Cindy Spiers