

S2422 SAT-STA-20111118-00223 IB2011004932
Intelsat License LLC
Galaxy 12

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File Number: SAT-STA-20111118-00223
Callsign:

File # SAT-STA-20111118-00223

Call Sign S2422 Grant Date 12/01/11

(or other identifier)

Term Dates period of

From 12/01/11

To: 30 days

Approved by OMB
3060-0678

Approved:

Stephen J Duall

Stephen J. Duall

Chief Satellite Policy Branch



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:
Request for Special Temporary Authority to Drift and Operate Galaxy 12, Call Sign S2422

1. Applicant

Name:	Intelsat License LLC	Phone Number:	202-944-7848
DBA Name:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H Crandall		

**Attachment to Grant
Intelsat License LLC
IBFS File No. SAT-STA-20111118-00223
Call Sign S2422**

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT-STA-20111118-00223, is granted. Accordingly, Intelsat is authorized for a period of 30 days, commencing December 1, 2011, to operate Telemetry, Tracking, and Telecommand (TT&C) operations with the Galaxy 12 space station (Call Sign S2422) necessary to effect the drift of the space station from the 132.9° W.L. orbital location to the 129.0° W.L. orbital location and to maintain Galaxy 12 at 129.0° W.L., using the following center frequencies: 4198 MHz and 4199.875 MHz (left-hand circular or vertical polarization/space-to-Earth); and 6424.5 MHz (right-hand circular or horizontal polarization/Earth-to-space). Additionally, Intelsat is granted authority to provide Fixed-Satellite Service while located at the 129.0° W.L. orbital location on a temporary basis using the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands. This authorization shall be in accordance with the technical specifications set forth in Intelsat's application, Federal Communications Commission (Commission) rules, and the following conditions:

1. All operations of Galaxy 12 during the drift to and operation at the 129.0° W.L. orbital location shall be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat shall 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 during Galaxy 12's drift to or operation at the 129.0° W.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. During the drift between the 132.9° W.L. orbital location and the 129.0° W.L. orbital location, Intelsat may not operate Galaxy 12's communications payload.
4. Intelsat shall operate Galaxy 12 at the 129.0° W.L. orbital location in accordance with any existing coordination agreements for this location.
5. While at the 129.0° W.L. orbital location, Intelsat shall maintain the Galaxy 12 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
6. Intelsat shall comply with the power levels specified in Section 25.212 of the Commission's rules, unless it coordinates any operations using power levels exceeding the levels in Section 25.212 with all potentially affected adjacent satellites within 6 degrees orbital separation off the 129.0° W. L. orbital location. Intelsat shall inform the Commission of the power levels it has coordinated. In addition, Intelsat must inform all affected earth station operators that Section 25.220 of the Commission's rules applies to operations that exceed the power levels specified in Section 25.212. In no event shall the uplink input power spectral density level of Galaxy 12's digital carriers exceed -38.7 dBW/Hz into the antenna and the downlink EIRP density of such carriers exceed -30.6 dBW/Hz.
7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.


**Attachment to Grant
Intelsat License LLC
IBFS File No. SAT-STA-20111118-00223
Call Sign S2422**

8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application to modify the authorization of the Galaxy 12 space station in order to re-locate it to the 129.0° W.L. orbital location (IBFS File No. File No. SAT-MOD-20111011-00197).

9. Grant of this authorization does not constitute "specific authority" pursuant to 25.161(c) of the Commission's rules.

10. This grant of special temporary authority is without prejudice (1) to any decision with respect to any replacement expectancy at the 129.0° W.L. orbital location, or (2) any action on the Petition for Specific Authority Under Section 25.161(c) filed by Intelsat North America LLC on June 28, 2010, to retain authority to use C- and Ku-band frequencies at the 129.0° E.L. orbital location (SAT-MS-20100628-00160).

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

 GRANTED* International Bureau *with conditions	File # <u>SAT-STA-20111118-00223</u>
	Call Sign <u>S2422</u> Grant Date <u>12/01/11</u> (or other identifier)
	Term Dates period of From <u>12/01/11</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact	
Name:	Susan H. Crandall
Company:	Intelsat Corporation
Street:	3400 International Drive, N.W.
City:	Washington
Country:	USA
Attention:	
Phone Number:	202-944-7848
Fax Number:	202-944-7870
E-Mail:	susan.crandall@intelsat.com
State:	DC
Zipcode:	20008 -3006
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
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 Special Temporary Authority for 30 days beginning December 1, 2011 to drift Galaxy 12 (call sign S2422) from 132.9 W.L. to 129.0 W.L. and begin operating at 129.0 W.L. Intelsat has a pending application for permanent authority to redeploy Galaxy 12 to 129.0 W.L., where it will operate in the C-band.

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
Susan H. Crandall

11. Title of Person Signing
Asst. General 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).

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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.

November 18, 2011



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

Re: Request for Special Temporary Authority to Drift and Operate
Galaxy 12
Call Sign S2422

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 30 days beginning December 1, 2011 to drift Galaxy 12 (call sign S2422) from 132.9° W.L. to 129.0° W.L. and begin operating at 129.0° W.L. Intelsat has a pending application for permanent authority to redeploy Galaxy 12 to 129.0° W.L., where it will operate in the C-band.²

Galaxy 12 is currently licensed to operate at 132.9° W.L.³ Upon receipt of Commission approval, Galaxy 12 will be relocated to 129.0° W.L. – where the satellite was to have been redeployed in early 2010 until Intelsat instead moved it to 133.0° W.L. in response to the Galaxy 15 anomaly. Intelsat expects to have Galaxy 12 on-station at 129.0° W.L. within two to three weeks of beginning the drift.

During the drift of Galaxy 12 from 132.9° W.L. to 129.0° W.L., Intelsat will utilize only the satellite's TT&C frequencies and will follow industry

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00824, File No. SAT-MOD-20111011-00197 (Nov. 18, 2011) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-00816, File No. SAT-STA-20110915-00183 (Oct. 21, 2011) (Public Notice). Intelsat has a pending application to extend this STA authorization to allow the Galaxy 12 satellite to remain at 132.9° W.L. See *Intelsat License LLC, Request for Extension of Special Temporary Authority for Galaxy 12*, File No. SAT-STA-20111114-00217 (filed Nov. 14, 2011).

Ms. Marlene H. Dortch

November 18, 2011

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practices for coordinating TT&C transmissions during the relocation process.

The specific TT&C frequencies are as follows:

Uplink:

6424.5 MHz (RHCP), (H)

Downlink:

4198 MHz (LHCP), (V)

4199.875 MHz (LHCP), (V)

The specific communications frequencies are as follows:

3700-4200 MHz (space-to-Earth)

5925-6425 MHz (Earth-to-space)

Intelsat requests that the waiver of Section 25.283(c) of the Commission's rules continues to apply at the 129.0° W.L. orbital location.⁴

Grant of this STA request is in the public interest because it will allow Intelsat to begin drifting Galaxy 12 and operating the satellite at 129.0° W.L. while the Commission completes its consideration of the pending application for permanent authority. In addition, grant will ensure that the 129.0° W.L. location is occupied as quickly as possible following the recent return of Galaxy 15 to full commercial operation at 133.0° W.L.⁵ Intelsat understands and accepts that a grant of this STA would not prejudice the Commission's determination of Intelsat's request to operate Galaxy 12 at 129.0° W.L. on a permanent basis, and that operation pursuant to this STA is at Intelsat's risk.

⁴ 47 C.F.R. § 25.283(c). *See* Policy Branch Information; Actions Taken, Report No. SAT-00730, File Nos. SAT-MOD-20100120-00013 and SAT-AMD-20100514-00102 (Oct. 22, 2010) (Public Notice).

⁵ *See* Status Update for Galaxy 15 Satellite, Call Sign S2387, File Nos. SAT-LOA-19991207-00119, SAT-AMD-20040603-00111, SAT-AMD-20031103-00320, SAT-AMD-20030818-00156, SAT-AMD-20021029-00199, SAT-STA-20110915-00181 (filed Nov. 3, 2011).

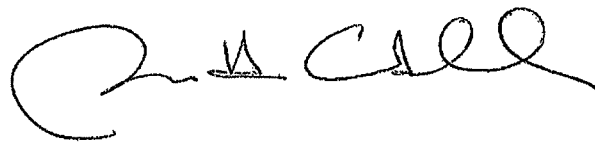
Ms. Marlene H. Dortch
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Grant of this STA request will not result in increased risk of harmful interference. As noted above, Intelsat will operate only the above listed TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. Once on-station at 129.0° W.L., Intelsat will operate the communications payload in conformance with its coordination agreements related to the location.

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. Galaxy 12 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 Galaxy 12 at 129.0° W.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Galaxy 12 at 129.0° W.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Susan H. Crandall', written in a cursive style.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley