

S2422 SAT-STA-20110915-00183 IB2011004298
Intelsat License LLC

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Callsign:

File # SPT- STA - 20110915-00183

Call Sign S2422 Grant Date 10/18/11

(or other identifier)

Term Dates
From 10/20/11 To: 11/18/11

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
IBFS File No. SAT-STA-20110915-00183
Call Sign S2422

The request of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20110915-00183, is granted. Accordingly, Intelsat is authorized, for a period of 30 days commencing on October 20, 2011, to conduct Telemetry, Tracking, and Command (TT&C) operations with the Galaxy 12 space station (Call Sign 2422) to drift the Galaxy 12 space station from its current orbital position of 133.0° W.L. to the 132.9° W.L. orbital location and to maintain the Galaxy 12 space station at that location, using the following frequencies: 6424.5 MHz (right-hand circular polarization/Earth-to-space) and 6424.5 MHz (vertical polarization/Earth-to-space); 4198 MHz (left-hand circular polarization/space-to-Earth) and 4198 MHz (horizontal polarization/space-to-Earth); 4199.875 MHz (left-hand circular polarization/space-to-Earth) and 4199.875 MHz (horizontal polarization/space-to-Earth). In addition, Intelsat is authorized to operate Galaxy 12 as an in-orbit spare at the 132.9° W.L. orbital location in 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 Communication Commission (Commission) rules, and the following conditions:

1. All operations during Galaxy 12's drift between the 133.0° W.L. and 132.9° W.L. orbital locations and operations at the 132.9° W.L. orbital location as an in-orbit spare shall be on an unprotected and non-harmful interference basis, *i.e.*, the Galaxy 12 space station shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
2. During the drift between the 133.0° W.L. and 132.9° W.L. orbital locations, Intelsat may not operate Galaxy 12's communications payload.
3. Intelsat may activate the communications payloads for the Galaxy 12 space station in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands in the event of a service outage of an operational space station.
4. In the event Intelsat activates the communications payload of the Galaxy 12 space station, Intelsat must notify the Commission, in writing, of such activation within three business days of the start of the activation.
5. 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.



*with conditions

File # SAT-STA-20110915-00183

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Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact	
Name: Susan H. Crandall	Phone Number: 202-944-7848
Company: Intelsat Corporation	Fax Number: 202-944-7870
Street: 3400 International Drive, N.W.	E-Mail: susan.crandall@intelsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
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
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 commencing October 20, 2011 to drift Galaxy 12 from 133.0 W.L. to 132.90 W.L. and operate the satellite at that location for approximately two months.

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).

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.

September 15, 2011

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



Re: Request for Special Temporary Authority for Galaxy 12
Call Sign: S2422

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days commencing October 20, 2011 to drift Galaxy 12 from 133.0° W.L. to 132.90° W.L. and operate the satellite at that location for approximately two months.²

Galaxy 12 currently is located at 133.0° W.L.³ With FCC approval, Intelsat expects to begin drifting Galaxy 15 (call sign S2387) from 133.10° W.L. to 133.0° W.L. on October 1, 2011 and have that satellite on-station at 133.0° W.L. approximately two to three weeks later.⁴ The Galaxy 12 and Galaxy 15 satellites will be temporarily co-located at 133.0° W.L. and traffic will be transferred from Galaxy 12 to Galaxy 15. Subject to FCC approval, Galaxy 12 will then drift to 132.90° W.L., where it will operate as an in-orbit spare until mid-December 2011. Thereafter, and subject to receipt of FCC approval, Galaxy 12 will be relocated to 129° W.L.⁵

During the drift of Galaxy 12 from 133.0° W.L. to 132.90° W.L. and while operating at 132.90° W.L., Intelsat will utilize only the satellite’s TT&C frequencies and will follow industry practices for coordinating TT&C

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 Intelsat will file a request for extension of this STA as necessary.

³ 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).

⁴ See Intelsat License LLC, Request for Special Temporary Authority to Drift Galaxy 15, File No. SAT-STA-20110915-00181 (filed Sept. 15, 2011).

⁵ Intelsat expects to relocate Galaxy 12 to 129° W.L. in mid-December 2011.

transmissions during the relocation process.⁶ The specific TT&C frequencies are as follows:

Uplink:

6424.5 MHz (V)
6425.5 MHz (RHCP)

Downlink:

4198.0 MHz (H)
4199.875 MHz (H)
4198.0 MHz (LHCP)
4199.875 MHz (LHCP)

Intelsat requests that the waiver of Section 25.283(c) of the Commission's rules continues to apply at the 132.90° W.L. orbital location.⁷

Grant of this STA request will serve the public interest by facilitating safe station-keeping at the nominal 133.0° W.L. orbital location. Moreover, grant of this STA will enable Intelsat to ensure all customer demands are satisfied at the nominal 133.0° W.L. location.

Grant of this STA request will not result in an increased risk of harmful interference. As noted above, during the drift of Galaxy 12 from 133.0° W.L. to 132.90° W.L. and while operating at 132.90° W.L., Intelsat will utilize only the satellite's TT&C frequencies and will follow industry practices for coordinating TT&C transmissions during the relocation process. Moreover, at 132.90° W.L., Intelsat will continue to operate the TT&C frequencies in conformance with Intelsat's coordination agreements related to that 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 132.90° W.L. Finally, Intelsat is not aware of any system with an overlapping station-

⁶ Intelsat will seek all necessary authority if the Galaxy 12 satellite is needed to provide service using the satellite's communications frequencies at the 132.90° W.L. orbital location.

⁷ 47 C.F.R. § 25.283(c). *See supra* note 3.

Ms. Marlene H. Dortch
September 15, 2011
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keeping volume with Galaxy 12 at 132.90° 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,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley