

S2422 SAT-STA-20120323-00060 IB2012000878
Intelsat License LLC
Galaxy 12



File # SAT-STA-20120323-00060

Call Sign S2422 Grant Date 04/18/12
(or other identifier)

From 03/29/12 Term Dates period of 60 days To: 60 days

Approved: *Stephen J. Duall*

Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Mar 23 2012 4:03:55:580PM
File Number: SAT-STA-20120323-00060
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 Further Extension of Special Temporary Authority to 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-20120323-00060
Call Sign S2422**

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT-STA-20120323-00060, is granted. Accordingly, Intelsat is authorized for a period of 30 days, commencing March 29, 2012, to continue to operate Telemetry, Tracking, and Telecommand (TT&C) operations with the Galaxy 12 space station (Call Sign S2422) to maintain Galaxy 12 at 129.0° W.L. orbital location 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 continue 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 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 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. Intelsat shall operate Galaxy 12 at the 129.0° W.L. orbital location in accordance with any existing coordination agreements for this location.
4. 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.
5. 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.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
7. 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).

**Attachment to Grant
Intelsat License LLC
IBFS File No. SAT-STA-20120323-00060
Call Sign S2422**

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

9. 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).

10. 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-20120323-00060</u> |
| | Call Sign <u>S2422</u> Grant Date <u>04/18/12</u> (or other identifier) |
| | Term Dates period of From <u>03/29/12</u> To: <u>60 days</u> |
| | Approved: <u>Stephen J. Duall</u> 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: Susan H. Crandall | 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 SATMOD2011101100197 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 type="radio"/> Change Station Location <input checked="" type="radio"/> Extend Expiration Date <input type="radio"/> Other | |
| 6. Temporary Orbit Location | 7. Requested Extended Expiration Date 2012-05-27 00:00:00.0 |

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 60-day extension, through May 27, 2012, of the Special Temporary Authority previously granted Intelsat 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.

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

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.

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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.

March 23, 2012

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



Re: Request for Further Extension of Special Temporary Authority to
Operate Galaxy 12
Call Sign S2422

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a 60-day extension -- through May 27, 2012 -- of the Special Temporary Authority ("STA")¹ previously granted Intelsat 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.² Intelsat has a pending application for permanent authority to operate Galaxy 12 at 129.0° W.L. in the C-band.³

Galaxy 12 is currently operating at 129.0° W.L. utilizing the following frequencies.

The specific TT&C frequencies are as follows:

Uplink:

6424.5 MHz (RHCP), (H)

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; Actions Taken*, Report No. SAT-00844, File No. SAT-STA-20120124-00009 (Feb. 10, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00838, File No. SAT-STA-20111227-00252 (Jan. 20, 2012) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00826, File No. SAT-STA-20111118-00223 (Dec. 2, 2011) (Public Notice).

³ See *Policy Branch Information; Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00824, File No. SAT-MOD-20111011-00197 (Nov. 18, 2011) (Public Notice).

Ms. Marlene H. Dortch
March 23, 2012
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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 continue to apply at the 129.0° W.L. orbital location.⁴

Grant of this STA further extension request is in the public interest because it will allow Intelsat to continue operating Galaxy 12 at 129.0° W.L. while the Commission completes its consideration of the pending application for permanent authority. Intelsat understands and accepts that a grant of this STA further extension 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.

Grant of this STA further extension request will not result in increased risk of harmful interference. Intelsat will continue to operate Galaxy 12 in conformance with its coordination agreements related to the 129.0° W.L. 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 is not 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.

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).

Ms. Marlene H. Dortch
March 23, 2012
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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this extension request.

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with the first letter of each word being capitalized and prominent.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Stephen Duall
Jay Whaley