

\*see also

SAT-MOD-20100120-00013

S2422 SAT-AMD-20100514-00102 IB2010001557  
PanAmSat Licensee Corp.  
GALAXY 12

Date & Time Filed: May 14 2010 5:35:30:560PM  
File Number: SAT-AMD-20100514-00102

File # SAT-AMD-20100514-00102

Call Sign S2422 Grant Date 10/15/10

(or other identifier)

Term Dates

From 10/15/10 To: 05/04/16

Approved:

Approved by OMB  
3060-0678

*Stephen J. Duall*

Stephen J. Duall  
Chief, Satellite Policy Branch



FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
Amendment to Application to Modify Authorization for Galaxy 12 (S2422) for 133 WL

I-8. Legal Name of Applicant

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

**Attachment to Grant**  
**IBFS File Nos. SAT-MOD-20100120-00013; SAT-AMD-20100514-00102**  
**Call Sign S2422**  
**October 15, 2010**

The request of PanAmSat Licensee Corp. (PanAmSat) to modify its authority in order to operate its C-band space station, Galaxy 12 (Call Sign S2422), at the 133.0° W.L. orbital location, IBFS File No. SAT-MOD-20100120-00013, as amended by SAT-AMD-20100514-00102, is granted. Accordingly, PanAmSat is authorized to operate the Galaxy 12 space station in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands to provide fixed-satellite service (FSS) from the 133.0° W.L. orbital location. Additionally, PanAmSat is authorized to conduct Telemetry, Tracking, and Telecommand (TT&C) operations with the Galaxy 12 space station at the 133.0° W.L. orbital location using the following frequencies: 4198.0 and 4199.875 MHz (Horizontal/ space-to-Earth); 4198.0 and 4199.875 MHz (Left-Hand Circular Polarization/space-to-Earth); 6424.5 MHz (Vertical/Earth-to-space); and 6425.5 MHz (Right-Hand Circular Polarization/Earth-to-space). This authorization shall be in accordance with the technical specifications set forth in PanAmSat's application, Federal Communication Commission (Commission) rules, and the following conditions:

1. PanAmSat shall prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, international coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. PanAmSat shall be held responsible for all cost recovery fees associated with these ITU filings. No protection from interference caused by radio stations authorized by other Administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual Administrations, coordination agreements are successfully completed. Any radio station authorization for which coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments with other Administrations. 47 C.F.R. § 25.111(b).

2. PanAmSat shall operate the Galaxy 12 satellite at the 133.0° W.L. orbital location in compliance with all existing or future coordination agreements.

3. PanAmSat's request for continued waiver of Section 25.283(c) of the Commission's rules, 47 C.F.R. 25.283(c), is granted for the reasons stated in the original grant of waiver. *See* IBFS File No. SAT-MOD-20080630-00133 (granted Sept. 2, 2008).

4. While at the 133.0° W.L. orbital location, PanAmSat shall maintain the Galaxy 12 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.

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

6. Grant of this authorization is without prejudice to any decision regarding Intelsat's ability to operate a replacement space station in the 3700-4200 MHz, 5925-6425 MHz, 11.7-12.2 GHz, and 14.0-14.5 GHz frequency bands at the 129° W.L. orbital

**Attachment to Grant**  
**IBFS File Nos. SAT-MOD-20100120-00013; SAT-AMD-20100514-00102**  
**Call Sign S2422**  
**October 15, 2010**

location.<sup>1</sup> Grant of this authorization does not constitute an announcement that these frequencies are available for reassignment.

7. Nothing in this authorization extends the license term for this space station, Call Sign S2422, which expires on May 4, 2018. See IBFS File No. SAT-LOA-20000929-00136.

8. PanAmSat is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.

9. 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. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.



\*with conditions

SAT-MOD-20100120-00013  
File # SAT-AMD-20100514-00102

Call Sign S2422 Grant Date 10/15/10  
(or other identifier)

Term Dates  
From 10/15/10 To: 05/04/18

Approved: Stephen J. Duall  
Stephen J. Duall  
Chief, Satellite Policy Branch

<sup>1</sup> Intelsat has an application pending to retain its authority to operate a space station in the 14.0-14.5 GHz, 11.7-12.2 GHz, 5925-6425 MHz, and 3700-4200 MHz frequency bands at the 129° W.L. orbital location. See SAT-MS-20100628-00160.

9-16. Name of Contact Representative

<b>Name:</b>	Jennifer D. Hindin	<b>Phone Number:</b>	202-719-4975
<b>Company:</b>	Wiley Rein LLP	<b>Fax Number:</b>	202-719-7049
<b>Street:</b>	1776 K Street, N.W.	<b>E-Mail:</b>	jhindin@wileyrein.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20006-
<b>Attention:</b>	Jennifer D. Hindin	<b>Relationship:</b>	Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

- a1. Earth Station
- a2. Space Station

- (N/A) b1. Application for License of New Station
- (N/A) b2. Application for Registration of New Domestic Receive-Only Station
- b3. Amendment to a Pending Application
- b4. Modification of License or Registration
- b5. Assignment of License or Registration
- b6. Transfer of Control of License or Registration
- b7. Notification of Minor Modification
- (N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
- (N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
- (N/A) b10. Other (Please specify)
- (N/A) b11. Application for Earth Station to Access a Non-U.S. satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States
- (N/A) b12. Application for Database Entry
- b13. Amendment to a Pending Database Entry Application
- b14. Modification of Database Entry

<p>17c. 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):</p>	<p>17d.          Fee Classification CWY – Space Station Amendment (Geostationary)</p>	<p>18. If this filing is in reference to an existing station, enter:          (a) Call sign of station:          S2422</p>	<p>19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number:          (a) Date pending application was filed:          02/20/2010          (b) File number:          SATMOD2010012000013</p>
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TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:

- a. Fixed Satellite
- b. Mobile Satellite
- c. Radiodetermination Satellite
- d. Earth Exploration Satellite
- e. Direct to Home Fixed Satellite
- f. Digital Audio Radio Service
- g. Other (please specify)

21. STATUS: Choose the button next to the applicable status. Choose only one.

- Common Carrier
- Non-Common Carrier

22. If earth station applicant, check all that apply.

- Using U.S. licensed satellites
- Using Non-U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:

- Connected to a Public Switched Network
- Not connected to a Public Switched Network
- N/A

24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s).

- a. C-Band (4/6 GHz)
- b. Ku-Band (12/14 GHz)
- c. Other (Please specify upper and lower frequencies in MHz.)

Frequency Lower:      Frequency Upper: (Please specify additional frequencies in an attachment)

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- a. Fixed Earth Station
- b. Temporary-Fixed Earth Station
- c. 12/14 GHz VSAT Network
- d. Mobile Earth Station
- e. Geostationary Space Station
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY:

- Transmit/Receive
- Transmit-Only
- Receive-Only
- N/A

"For Space Station applications, select N/A."

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an 'X' in the box(es) next to all that apply.)

- a --- authorization to add new emission designator and related service
- b --- authorization to change emission designator and related service
- c --- authorization to increase EIRP and EIRP density
- d --- authorization to replace antenna
- e --- authorization to add antenna
- f --- authorization to relocate fixed station
- g --- authorization to change frequency(ies)
- h --- authorization to add frequency
- i --- authorization to add Points of Communication (satellites & countries)
- j --- authorization to change Points of Communication (satellites & countries)
- k --- authorization for facilities for which environmental assessment and radiation hazard reporting is required
- l --- authorization to change orbit location
- m --- authorization to perform fleet management
- n --- authorization to extend milestones
- o --- Other (Please specify)



ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

Yes  No

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

29. Is the applicant a foreign government or the representative of any foreign government?

Yes  No

30. Is the applicant an alien or the representative of an alien?

Yes  No  N/A

31. Is the applicant a corporation organized under the laws of any foreign government?

Yes  No  N/A

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

Yes  No  N/A

<p>33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?</p>	<p style="text-align: right;"> <input checked="" type="radio"/> Yes    <input type="radio"/> No    <input type="radio"/> N/A         </p>
<p>34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.</p>	

**BASIC QUALIFICATIONS**

<p>35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.</p>	<p style="text-align: right;"> <input checked="" type="radio"/> Yes    <input type="radio"/> No         </p> <p style="text-align: center;">G12 Legal Narrative</p>
<p>36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.</p>	<p style="text-align: right;"> <input checked="" type="radio"/> Yes    <input type="radio"/> No         </p> <p style="text-align: center;">G12 Engineering S</p>

<p>37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.</p>	<p style="text-align: center;"> <input type="radio"/> Yes      <input checked="" type="radio"/> No </p>
<p>38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances</p>	<p style="text-align: center;"> <input type="radio"/> Yes      <input checked="" type="radio"/> No </p>
<p>39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.</p>	<p style="text-align: center;"> <input type="radio"/> Yes      <input checked="" type="radio"/> No </p>
<p>40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.</p>	

<p>41. 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.</p>	<p style="text-align: right;"> <input checked="" type="radio"/> Yes      <input type="radio"/> No         </p>
<p>42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.</p>	<p style="text-align: right;"> <input type="radio"/> Yes      <input checked="" type="radio"/> No         </p>
<p>42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?</p>	
<p>43. Description. (Summarize the nature of the application and the services to be provided). (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>PanAmSat Licensee Corp. files this amendment to its pending modification application to seek authority to operate the Galaxy 12 satellite (call sign S2422) at the 133.0 W.L. orbital location using the 3700-4200 MHz and 5925-6425 MHz conventional C-band frequencies. Except for the information provided in this amendment, all other information</p> </div>	

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Applicant is a (an): (Choose the button next to applicable response.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing  
Susan H. Crandall

-->

46. Title of Person Signing  
Asst. Gen. Counsel, Intelsat Corporation

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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**43. Description. (Summarize the nature of the application and the services to be provided).**

PanAmSat Licensee Corp. files this amendment to its pending modification application to seek authority to operate the Galaxy 12 satellite (call sign S2422) at the 133.0 W.L. orbital location using the 3700-4200 MHz and 5925-6425 MHz conventional C-band frequencies. Except for the information provided in this amendment, all other information in the pending modification application remains the same and is incorporated by reference.