

S2253 SAT-MOD-20080225-00051 IB2008000421
PanAmSat Licensee Corp.

Approved by OMB
3060-0678

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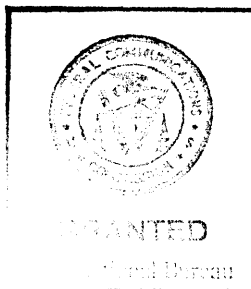
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| FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM | FCC Use Only |
| FCC 312 MAIN FORM FOR OFFICIAL USE ONLY | |

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Application to Modify Authorization for Galaxy 11 (S2253) for 32.80 EL

| | | | |
|------------------------------|--|----------------------|-----------------------------|
| 1-8. Legal Name of Applicant | | | |
| Name: | PanAmSat Licensee Corp. | 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 | | |

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File # SAT-MOD-20080225-00051

Call Sign S2253 Grant Date 7/27/08
(or other identifier)

Term Dates

From _____ To _____

Approved: [Signature]

Policy Branch Chief

Attachment
Conditions of Authorization
IBFS File No. SAT-MOD-20080225-00051
Call Sign: S2253
July 22, 2008

PanAmSat Licensee Corp.'s (PanAmSat) request to modify its authority in order to operate its C- and Ku-band space station, Galaxy 11 (Call Sign: S2253), at the 32.80° E.L. orbital location, IBFS File No. SAT-MOD-20080225-00051, IS GRANTED. Accordingly, PanAmSat is authorized to operate in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 10.95-11.2 GHz (space-to-Earth), 11.7 to 12.2 GHz (space-to-Earth), 13.75-14.0 GHz (Earth-to-space), and 14.0-14.5 GHz (Earth-to-space) frequency bands using the Galaxy 11 space station at the 32.80° E.L. orbital location. Additionally, PanAmSat is authorized to conduct space station Telemetry, Tracking, and Command operations on Galaxy 11 to effect the satellite's drift to and operations at the 32.80° E.L. orbital location. These operations are authorized in accordance with the technical specifications set forth in the application, this Attachment, and the Commission's Rules and subject to the following conditions:

1. PanAmSat shall operate the Galaxy 11 space station at the 32.80° E.L. orbital location in compliance with all existing or future coordination agreements for that location.
2. PanAmSat shall operate Galaxy 11 at the 32.80° E.L. orbital location in the frequency bands of 5925-6425 MHz, 3700-4200 MHz, 14.0-14.5 GHz and 10.95-11.2 GHz in accordance with the coordination agreements completed by Intelsat for Intelsat 802 space station.
3. With respect to the 13.75-14.0 GHz frequency band, 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. We also note that 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, by successfully completing coordination agreements. 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 of other administrations. *See* 47 C.F.R. §25.111(b).
4. PanAmSat's operation of the Galaxy 11 space station in the 11.7 to 12.2 GHz frequency band at the 32.80° E.L. orbital location is subject to the following conditions:
 - (a) PanAmSat must operate Galaxy 11 on an unprotected and non-harmful interference basis with respect to broadcasting-satellite service (BSS)

operations in Region 1 (Europe/Africa) in accordance with Article 4.4 of the ITU Radio Regulations.

- (b) PanAmSat must operate Galaxy 11 in accordance with the BSS PFD limits specified in the ITU Radio Regulations, Appendix 30, Annex 1, Sections 1(a) and 4, for protection of co-frequency BSS and terrestrial operators.
5. PanAmSat shall prepare and submit to the Federal Communications Commission, within fifteen days following release of this grant, materials for submission to the ITU, pursuant to Article 8.4 of the Radio Regulations, in connection with the operations of the Galaxy 11 space station in the 11.7-12.2 GHz frequency band at the 32.80° E.L. orbital location.
 6. PanAmSat's operation of Galaxy 11 at the 32.80° E.L. orbital location¹ is subject to the following conditions:
 - (a) Intelsat shall remain a signatory to the Public Services Agreement between Intelsat and the International Telecommunications Satellite Organization (ITSO) that was approved by the ITSO Twenty-fifth Assembly of Parties, as amended.
 - (b) No entity shall be considered a successor-in-interest to Intelsat under the ITSO Agreement for licensing purposes unless it has undertaken to perform the obligations of the Public Services Agreement approved by the Twenty-fifth Assembly of Parties, as amended.
 7. Grant of this modification application does not change the expiration date of the authorization for Galaxy 11: April 6, 2015.
 8. PanAmSat's request for waiver of Section 25.114(d)(3) of the Commission's rules, 47 C.F.R. § 25.114(d)(3), is granted. Section 25.114(d)(3) requires predicted space station antenna gain contour(s) for each transmit and each receive antenna beam and nominal orbital location requested. PanAmSat's application indicates that the bicone and pipe antenna diagrams (Exhibits 2R, 2S, 2U, and 2V) and the ULPC global horn antenna diagrams (Exhibits 2X and 2Y) were not prepared in accordance with the parameters specified in Section 25.114(d)(3) of the Commission's Rules because the satellite manufacturer did not provide contours in the required format. We find, however, that Exhibits 2R, 2S, 2U, and 2V and Exhibits 2X and 2Y, together with the descriptive characterization provided in Section 3 of the Engineering Statement, fulfill the purpose of Section 25.114(d)(3).
 9. This action is without prejudice to any action on IBFS File No. SAT-MOD-20080523-00113.

¹ In the Matter of Petition of the International Telecommunications Satellite Organization under Section 316 of the Communications Act, as Amended, IB 06-137, File No. SAT-MS-20060710-00076, *Order of Modification*, 23 FCC Rcd 2764, 2770-71 (Int'l Bur. 2008).

10. 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.
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. . 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.



File # SAT-MOD-20080725-00051

Call Sign S2253 Grant Date 7/22/08
(or other identifier)

Term Dates

From _____ To: _____

Approved: [Signature]

Policy Branch Chief

9-16. Name of Contact Representative

| | | | |
|-------------------|--|----------------------|-----------------------------|
| Name: | PanAmSat Licensee Corp. | Phone Number: | 202-944-7848 |
| Company: | | 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: | 2008 - 3006 |
| Attention: | Susan H. Crandall | Relationship: | 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

| | |
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| <p>17c. Is a fee submitted with this application?</p> <p><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).</p> <p><input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee</p> <p><input type="radio"/> Other (please explain):</p> | |
| <p>17d.</p> <p>Fee Classification BFY – Space Station Modification (Geostationary)</p> | |
| <p>18. If this filing is in reference to an existing station, enter:</p> <p>(a) Call sign of station: S2253</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:</p> <p>(a) Date pending application was filed: (b) File number: SATMOD2005032500073</p> |

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: | |
| <input checked="" type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input type="checkbox"/> f. Digital Audio Radio Service <input type="checkbox"/> g. Other (please specify) | |
| 21. STATUS: Choose the button next to the applicable status. Choose only one. <input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier | 22. If earth station applicant, check all that apply. <input type="checkbox"/> Using U.S. licensed satellites <input type="checkbox"/> 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: <input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A | |
| 24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s). <input checked="" type="checkbox"/> a. C-Band (4/6 GHz) <input checked="" type="checkbox"/> b. Ku-Band (12/14 GHz) <input type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: Frequency Upper: (Please specify additional frequencies in an attachment) | |

TYPE OF STATION

| |
|---|
| <p>25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.</p> <ul style="list-style-type: none"><input type="radio"/> a. Fixed Earth Station<input type="radio"/> b. Temporary-Fixed Earth Station<input type="radio"/> c. 12/14 GHz VSAT Network<input type="radio"/> d. Mobile Earth Station<input checked="" type="radio"/> e. Geostationary Space Station<input type="radio"/> f. Non-Geostationary Space Station<input type="radio"/> g. Other (please specify) |
| <p>26. TYPE OF EARTH STATION FACILITY:</p> <p><input type="radio"/> Transmit/Receive <input type="radio"/> Transmit-Only <input type="radio"/> Receive-Only <input checked="" type="radio"/> N/A</p> <p>"For Space Station applications, select N/A."</p> |

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

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| 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. | <input type="radio"/> Yes <input checked="" type="radio"/> 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? | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 30. Is the applicant an alien or the representative of an alien? | <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A |
| 31. Is the applicant a corporation organized under the laws of any foreign government? | <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> 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? | <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A |

| | |
|--|---|
| 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? | <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A |
| 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. | |

BASIC QUALIFICATIONS

| | |
|--|---|
| 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. | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 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. | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Exhibits | |

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. Yes No

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 Yes No

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. Yes No

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.

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. Yes No

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. Yes No

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?

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.)

PanAmSat Licensee Corp. herein requests permanent authority to relocate Galaxy 11 to, and operate the satellite at, 32.80 E.L. in order to provide critical back-up C- and Ku-band capacity at the nominal 33.0 E.L. for Intelsat 802, which experienced an anomaly that has reduced available solar array power.

Legal Narrative

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

Technical Exhibit

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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