

S2715 SAT-AMD-20070123-00013 IB2007000217
PanAmSat Licensee Corp.
GALAXY 17

Approved by OMB
3060-0678

Date & Time Filed: Jan 23 2007 2:57:55:560PM
File Number: SAT-AMD-20070123-00013

Call sign: S2715

Galaxy 17 @ 91° W.L.

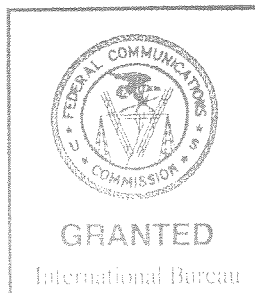
FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Amendment - Application for Authority to Launch and Operate Galaxy 17 Satellite

1-8. Legal Name of Applicant			
Name:	PanAmSat Licensee Corp.	Phone Number:	202-944-7848
DBA Name:		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		

See: SAT-RPL-20061219-00155



File # SAT-AMD-20070123-00013

Call Sign S2715 Grant Date Apr. 24, 2007
(or other identifier)

Term Dates From _____ To: see condition 6

Approved: *[Signature]*
Policy Branch Chief

w/conditions

Attachment
Conditions of Authorization
IBFS File Nos. SAT-RPL-20061219-00155, SAT-AMD-20070123-00013
PanAmSat Galaxy 17
Call Sign: S2715
April 24, 2007

PanAmSat Licensee Corp.'s (PanAmSat)'s request to launch and operate the replacement¹ C and Ku-band Galaxy 17 satellite, IBFS File No. SAT-RPL-20061219-00155 as amended by File No. SAT-AMD-20070123-00013 (Call Sign: S2715), to be located at the 91° W.L. orbital location IS GRANTED. Accordingly, PanAmSat is authorized to provide Fixed Satellite Services (FSS) in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands using the Galaxy 17 satellite at the 91° W.L. orbital location, in accordance with the technical specifications set forth in application, this Attachment, and the Commission's Rules and subject to the following conditions:

1. PanAmSat shall operate the Galaxy 17 satellite at the 91° W.L orbital location in compliance with all existing coordination agreements for that location.
2. 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).
3. Galaxy 17 must begin providing service at the 91° W.L. orbital location in the C- and Ku-bands before the satellite it is replacing, Galaxy 11, discontinues service at the 91° W.L. orbital location.² Failure to meet this milestone date shall render this authorization null and void.

¹ PanAmSat's application for Galaxy 17 does not include a request for the 10.95-11.2 GHz and 13.75 – 14.0 GHz frequency bands. These bands were authorized on the Galaxy 11 at the 91° W.L orbital location.

² Among other things, a replacement satellite is one that is scheduled to be launched so that it will be brought into use at approximately the same time as, but no later than, the existing satellite is retired. 47 C.F.R. § 25.165(e)(2).

4. PanAmSat's request for waiver of Section 25.210(i), of the Commission's rules, 47 C.F.R. § 25.210(i), IS GRANTED as conditioned. Section 25.210(i) directs, "Space station antennas in the Fixed-Satellite Service must be designed to provide a cross-polarization isolation such that the ratio of the on axis co-polar gain to the cross-polar gain of the antenna in the assigned frequency band shall be at least 30 dB within its primary coverage area." PanAmSat indicates that the cross-polarization isolation for Galaxy 17's C-band receive antenna is at least 30 dB in its primary coverage area, except for Hawaii, where it is greater than 27 dB. Similarly, Galaxy 17's C-band transmit antenna is at least 30 dB in its primary coverage area, except for Hawaii and Puerto Rico, where the cross-polarization isolation is equal to or greater than 28 dB and 25 dB, respectively. Also, Galaxy 17's Ku-band transmit antenna provides a cross-polarization isolation ratio of at least 30 dB in its primary coverage area, except for sections of the states of Louisiana, Mississippi, and Florida, where it is equal to or greater than 27 dB. We find that these shortfalls will not produce a significant increase in interference, except to the applicant itself, and will not adversely affect any other operator. As a condition of the grant of this waiver, PanAmSat must accommodate future satellite networks serving the United States that are two-degree compliant. Grant of this waiver request is consistent with our precedent.³

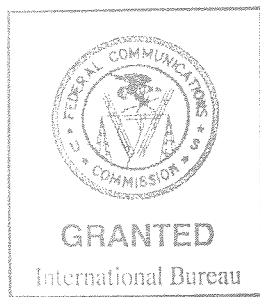
5. PanAmSat's request for a waiver of Section 25.114(d)(3) of the Commission's rules, 47 C.F.R. 25.114(d)(3), IS GRANTED as conditioned. Section 25.114(d)(3) requests each applicant to provide "Predicted space station antenna gain contour(s) for each transmit and each receive antenna beam and nominal orbital location requested." PanAmSat's omni antenna diagrams (Exhibits 6G and 6I) were not prepared in accordance with Section 25.114(d)(3) of the Commission's Rules. PanAmSat seeks a waiver of this requirement stating that the satellite manufacturer did not provide contours in the required form because pointing of the omni antennas with respect to the Earth will vary during emergency situations. Under these specific circumstances, we find that Exhibits 6G and 6I, together with the descriptive characterization provided in Section 2.8.1 of the application,⁴ fulfill the requirements of Section 25.114(d)(3). Grant of this waiver request is consistent with our precedent.⁵

³ Star One S.A.; Petition for Declaratory Ruling to Add The Star One C1 Satellite at 65° W.L. to the Permitted Space Station List, *Order*, 19 FCC Rcd 16334 (Int'l Bur., Sat. Div. 2004) (finding that the impact on neighboring satellite systems of a 3-5dB difference from the required cross polarization isolation ratio would be negligible).

⁴ See PanAmSat Licensee Corp. application for authorization to launch and operate its Galaxy 17 satellite (Call Sign: S2715) at 91° W.L, IBFS File No. SAT-RPL-20061219-00155, Technical Exhibit at 15-16.

⁵ SES Americom, Inc., Application for Modification of Space Station Authorization, *Order and Authorization*, 19 FCC Rcd 20377, 20378-79 (paras. 5-8) (Int'l Bur., Sat. Div. 2004) (finding that the main purpose of the contour map is to allow evaluation of the potential for harmful interference with other operators and services in the frequency band.)

6. The license term for the space station is 15 years and will begin on the date PanAmSat certifies to the Commission that the satellite has been successfully placed into orbit and its operation fully conforms to the terms and conditions of this authorization. PanAmSat shall file its certification with the Chief, Satellite Division, International Bureau within 5 business days of the satellite being placed into operation at the 91° W.L. orbital location.
7. 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.
8. 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 upon release. 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.



w/conditions

File # SAT-AMD-20070123-00013

Call Sign SZ715 Grant Date April 24, 2007
 (or other identifier)

Term Dates
 From _____ To: see condition 6

Approved: [Signature]
 Policy Branch Chief

see also SAT-RPL-20061219-00155

9-16. Name of Contact Representative

Name:	Jennifer D. Hindin	Phone Number:	202-719-4975
Company:	Wiley Rein & Fielding LLP	Fax Number:	202-719-7207
Street:	1776 K Street NW	E-Mail:	jhindin@wrf.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006-
Attention:		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

17c. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
 Governmental Entity Noncommercial educational licensee
 Other (please explain):

17d.

Fee Classification CWY – Space Station Amendment (Geostationary)

18. If this filing is in reference to an existing station, enter:

(a) Call sign of station:
S2715

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:

12/19/2006

(b) File number:

SATRPL2006121900155

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

Schedule S Inputs

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

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
	Technical Exhibit
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

<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><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><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><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>	

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. submits this amendment to correct certain technical errors in the Galaxy 17 replacement satellite application, as described herein. PanAmSat is providing a corrected version of the Technical Exhibit section and Schedule S for the application. All other information provided in the application remains the same.

Narrative

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
Assistant General 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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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.

Before the
Federal Communications Commission
Washington, DC 20554

In the Matter of

PanAmSat Licensee Corp.

Application for Authority to Launch and
Operate a Replacement Satellite at 91°
W.L.

File No. SAT-RPL-20061219-00155

AMENDMENT

On December 19, 2006, PanAmSat Licensee Corp. (“PanAmSat”) filed the above captioned application seeking authority to launch and operate a replacement C/Ku-band satellite, to be known as Galaxy 17, at the 91° W.L. orbital location. PanAmSat hereby submits this amendment correcting certain technical information in that application.

First, PanAmSat corrects the Orbital Debris Mitigation portion of its Technical Exhibit to properly identify PanAmSat rather than Intelsat.

Second, PanAmSat changes its response to question 35 on FCC Form 312 to “yes” to reflect the following two waivers requested: (i) waiver of section 25.210(i), on pages 10-12 of the Technical Exhibit; and (ii) waiver of section 25.114(d)(3), on page 16 of the Technical Exhibit.

Third, PanAmSat has discovered an error in the calculation of the saturated flux density (“SFD”) range for the C-band and Ku-band receive beams. This error, in turn, resulted in a change in the transponder gain of the C-band and Ku-band channels. Accordingly, in this amendment, PanAmSat provides the appropriate corrections to the Technical Exhibit section of

above referenced application. Consequential corrections are also made in the associated Schedule S. Conformed copies of the Technical Exhibit (Word file) and Schedule S (mdb file) as modified by this amendment are attached for the sake of clarity and convenience. A revised version of the Inputs to the Schedule S (Word file) is also being submitted for convenience.

A. Technical Exhibit Corrections:

- 1) Section 2.7.2: In the fifth line of the third paragraph on page 10, the value of “-91.2 dBW/m²” should be changed to “-114.2 dBW/m²”.
- 2) Section 2.7.2: In the seventh line of the third paragraph on page 10, the value of “-89.1 dBW/m²” should be changed to “-119.1 dBW/m²”.
- 3) Certification Statement: On page 27, the date should be changed from “December XX, 2006” to “December 19, 2006”
- 4) Exhibit 2: On page 31, in the rows titled “Conus (Horizontal Polarization)” and “Conus (Vertical Polarization)”, associated with the C-band Uplink SFD Range @Maximum G/T, the range “-91.2 to -44.2 dBW/m²” should be changed to “-114.2 to -67.2 dBW/m²”.
- 5) Exhibit 2: On page 31, in the rows titled “Conus (Horizontal Polarization)” and “Conus (Vertical Polarization)”, associated with the Ku-band Uplink SFD Range @Maximum G/T, the range “-89.1 to -42.1 dBW/m²” should be changed to “-119.1 to -72.1 dBW/m²”.
- 6) Exhibit 2: On page 31, in the rows titled “Conus (H-Pol. Up) /Conus (V-Pol. Dn.)” and “Conus (V-Pol. Up) /Conus (H-Pol. Dn.)”, associated with the C-band uplink to C-Band downlink transponder gain, the range “111.5 to 64.5 dBi” should be changed to “134.5 to 87.5 dB”.
- 7) Exhibit 2: On page 31, in the rows titled “Conus (H-Pol. Up) /Conus (V-Pol. Dn.)” and “Conus (V-Pol. Up) /Conus (H-Pol. Dn.)”, associated with the Ku-band uplink to Ku-

Band downlink transponder gain, the range “118.1 to 71.1 dB” should be changed to “148.1 to 101.1 dB”.

- 8) Exhibit 5B: On page 39, under the table column titled “Maximum Transponder Gain (dB)”, the value of “111.5 dB” should be changed to “134.5 dB”.
 - 9) Exhibit 5B: On page 40, under the table column titled “Maximum Transponder Gain (dB)”, the value of “118.1 dB” should be changed to “148.1 dB”.
 - 10) Exhibit 6A: On page 41, the portion of the title that reads “SFD RANGE AT PEAK G/T: -91.2 TO -44.2 dBW/m²” should be changed to read “SFD RANGE AT PEAK G/T: -114.2 TO -67.2 dBW/m²”.
 - 11) Exhibit 6C: On page 43, the portion of the title that reads “SFD RANGE AT PEAK G/T: -89.1 TO -42.1 dBW/m²” should be changed to read “SFD RANGE AT PEAK G/T: -119.1 TO -72.1 dBW/m²”.
 - 12) Exhibit 7: On page 54 in the row titled “Minimum SFD [G/T: Peak; Attn: 0 dB] – (dBW/m²)” the value of “-91.2” should be changed to “-114.2” and the value of “-89.1” should be changed to “-119.1”.
- B. Schedule S Corrections:
- 1) Section S7: In the first row associated with the CUP Beam ID, the value in column p should be changed from “-91.2” to “-114.2”.
 - 2) Section S7: In the third row associated with the KUP Beam ID, the value in column p should be changed from “-89.1” to “-119.1”.
 - 3) Section S10: For those rows associated with transponder IDs of 1C through 24C, the value under column b should be changed from “111.5” to “134.5”.

- 4) Section S10: For those rows associated with transponder IDs of 1K through 24K, the value under column b should be changed from “118.1” to “148.1”.

Please direct any questions regarding this amendment to Jose Albuquerque at 202-944-6897.

Respectfully submitted,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Jennifer D. Hindin
WILEY REIN & FIELDING LLP
1776 K Street, N.W.
Washington, DC 20006

January 23, 2007

Certification Statement

I hereby certify that I am a technically qualified person and am familiar with Part 25 of the Commission's Rules and Regulations. The contents of this engineering statement were prepared by me or under my direct supervision and to the best of my knowledge are complete and accurate.

/s/

January 17, 2007

Jose Albuquerque

Date

Intelsat

Senior Director, Spectrum Engineering

Exhibit A
FCC Form 312, Response to Question 34: Foreign Ownership

The Commission previously approved the foreign ownership in PanAmSat Licensee Corp. See *Constellation, LLC, Carlyle PanAmSat I, LLC, Carlyle PanAmSat II, LLC, PEP PAS, LLC, and PEOP PAS, LLC, Transferors and Intelsat Holdings, Ltd., Transferee, Consolidated Application for Authority to Transfer Control of PanAmSat Licensee Corp. and PanAmSat H-2 Licensee Corp.*, Memorandum Opinion and Order, FCC 06-85 (rel. June 19, 2006) (“*Intelsat-PAS Order*”). There have been no material changes to the foreign ownership since the date of the *Intelsat-PAS Order*.

Exhibit B
FCC Form 312, Response to Question 36: Cancelled Authorizations

PanAmSat Licensee Corp. (“PanAmSat”) has never had an FCC license “revoked.” However, on June 26, 2000, the International Bureau “cancelled” two Ka-band satellite authorizations issued to PanAmSat, based on the Bureau’s finding that PanAmSat had not satisfied applicable construction milestones. *See* PanAmSat Licensee Corp., Memorandum Opinion and Order, DA 00-1266, 15 FCC Rcd 18720 (IB 2000). In that same order, the Bureau denied related applications to modify the cancelled authorizations. PanAmSat filed an application for review of the Bureau’s decision, which the Commission denied, and subsequently filed an appeal with the United States Court of Appeals for the District of Columbia Circuit, which was dismissed in January 2003 at PanAmSat’s request. Notwithstanding the fact that the Bureau’s action does not seem to be the kind of revocation action contemplated by question 36, PanAmSat is herein making note of the decision in the interest of absolute candor and out of an abundance of caution. In any event, the Bureau’s action with respect to PanAmSat does not reflect on PanAmSat’s basic qualifications, which are well-established and a matter of public record.

Exhibit C
FCC Form 312, Response to Question 40:
Officers, Directors, and Ten Percent or Greater Shareholders

Following are the officers of PanAmSat Licensee Corp.:

James B. Frownfelter, President & COO
Patricia Casey, General Counsel & Secretary
Anita Beier, Controller
Linda Kokal, Treasurer

The address of all PanAmSat Licensee Corp. officers is:

3400 International Drive NW
Washington, DC 20008-3006

PanAmSat Licensee Corp. is wholly owned by PanAmSat International Systems LLC, which in turn is wholly owned by Intelsat Corporation (formerly known as PanAmSat Corporation). Intelsat Corporation holds 59% of its interest in PanAmSat International Systems LLC directly and 41% indirectly. (Specifically, Intelsat Corporation wholly owns 100% of PanAmSat International Holdings LLC, which wholly owns USHI, LLC, which in turn holds a direct, 41% interest in PanAmSat International Systems LLC.) Intelsat Corporation is wholly owned by Intelsat Holding Corporation (formerly known as PanAmSat Holding Corporation). Intelsat Holding Corporation is wholly owned by Intelsat (Poland) Sp. z.o.o., which is in turn wholly owned by Intelsat (Luxembourg) Sarl, which is in turn wholly owned by Intelsat (Gibraltar), Ltd., which is in turn wholly owned by Intelsat (Bermuda), Ltd. Intelsat (Bermuda), Ltd. is wholly owned by Intelsat, Ltd. Intelsat, Ltd., in turn, is wholly owned by Intelsat Holdings, Ltd.

Following are the officers and directors of Intelsat Holdings, Ltd.:

Officers

Joseph Wright, Chairman
David P. McGlade, Chief Executive Officer
Andrew D. Africk, Deputy Chairman
Jeffrey Freimark, Executive Vice President and Chief Financial Officer
Phillip Spector, Executive Vice President, General Counsel and Assistant Secretary
Gloria Dill, Secretary

Directors

Andrew D. Africk
Douglas Grissom
Richard A. Haight
David P. McGlade
James N. Perry, Jr.

Alan Peyrat
 Andrew P. Sillitoe
 Aaron J. Stone
 Nicola Volpi
 Joseph Wright

Shareholders holding 10% or more of the voting stock of Intelsat Holdings, Ltd. are as follows (percentage ownerships indicated are approximate):

Shareholder	Jurisdiction of Incorporation	Address	% of voting ¹ and equity stock
AIF V Euro Holdings, L.P.	Cayman Islands	c/o Walkers SPV Limited Walker House PO Box 908GT George Town, Grand Cayman Cayman Islands	23.9% of voting stock 31.4% of Series A Common Stock
Apax WW Nominees Ltd. ²	United Kingdom	15 Portland Place London W1B 1PT	22.2% of voting stock 92.8% of Series B Common Stock
MDCP IV Global Investments, L.P.	Cayman Islands	c/o Walkers SPV Limited PO Box 908GT Walker House Mary Street George Town, Grand Cayman Cayman Islands, B.W.I.	23.9% of voting stock 31.4% of Series A Common Stock
Permira Europe III L.P. ³	Guernsey	PO Box 255 Trafalgar Court Les Banques St. Peter Port, Guernsey CI, GY1 3QL	17.2% of voting stock 22.6% of Series A Common Stock

¹ The percentage of voting stock is calculated by dividing the number of votes represented by the common shares held by the entity by the total number of votes represented by the common shares that are outstanding and have the right to vote.

² Registered shareholder for nine entities. Other entities advised by or associated with Apax Partners hold, in the aggregate, an additional 1.7% of voting stock and 7.2% of Series B Common Stock of Intelsat Holdings, Ltd.

³ Other entities affiliated or otherwise associated with Permira Europe III, L.P. 2 hold, in the aggregate, an additional 6.7% of voting stock and 8.9% of Series A Common Stock of Intelsat Holdings, Ltd.