Date & Time Filed: Oct 4 2010 3:51:36:453PM File Number: SES-MOD-INTR2010-03116

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: E000048 license modification (AK–10)

–8. Legal Nai		plicant		
Na	ame:	PanAmSat Licensee Corp.	Phone Number:	202-944-7848
DE Na	BA ame:		Fax Number:	202–944–7870
Str	reet:	c/o Intelsat Corporation	E-Mail:	susan.crandall@intelsat.com
		3400 International Drive, N.W.		
Cit	ty:	Washington	State:	DC
Co	ountry:	USA	Zipcode:	20008 -3006
Att	tention:	Susan H Crandall		

9–16. Name of Contact Representative

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–

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

b 3. 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 CGX – Fixed Satellite 1 Station	Fransmit/Receive Earth			
18. If this filing is in reference to an existing station, enter:(a) Call sign of station: E000048	19. If this filing is an amendment to a pending an modification please enter only the file number: (a) Date pending application was filed:	opplication enter both fields, if this filing is a (b) File number: SESRWL2010040500393		

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide	e 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	22. If earth station applicant, check all that apply.
only one.	Using U.S. licensed satellites
Common Carrier Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER s facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
O 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 a	pplicable 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 addition	nal 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 & p; countries)
j — authorization to change Points of Communication (satellites & Double of Communication)
k — authorization for facilities for which environmental assessment and
radiation hazard reporting is required
1 — authorization to change orbit location
m — authorization to perform fleet management
n — authorization to extend milestones
o — Other (Please specify)

ENVIRONMENTAL POLICY

under the laws of a foreign country?

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.		Exhil	oit B			
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeror aeronautical fixed radio station services are not required to respond to Items 30–34.	nautic	al en	rout	te or		
29. Is the applicant a foreign government or the representative of any foreign government?	0	Yes	•	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	0	No	•	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	0	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		Yes		No	— ⊛	N/A

O Yes No

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

aliens or their representatives or by a foreign government or representative thereof or by any corporation organized

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?	٥	Yes	0	No	⊚ 1	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.		o `	Yes	€	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 explination of circumstances.		● `	Yes		No)
	Exh	ibit E				

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 explination 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 exhinit, 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	O 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, we coordinated or is in the process of coordinating the space station?	vhat administr	ration has

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. requests modification of its license, call sign E000048, to add frequencies and related points of communications and services. See also Exhibit A.

Exhibit A

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.	O 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.	o c

CERTIFICATION

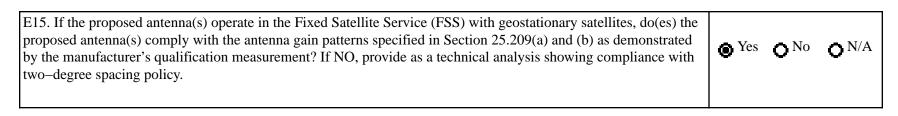
The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The 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 appli	icable response.)	
Individual		
 Unincorporated Association 		
Partnership		
Corporation		
Governmental Entity		
Other (please specify)		
45. Name of Person Signing	46. Title of Person Signing	
Susan Crandall	Asst. 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).

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 – Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY

Location of Earth S	tation Site					
E1: Site Identifier:	PAS ATLANTA	E5. Call Sign:	E000048			
E2: Contact Name	Tom Johnson	E6. Phone Number:	404–381–2752			
E3. Street:	2857 Fork Creek Church Rd	E7. City:	Ellenwood			
		E8. County:	Dekalb			
E4. State	GA	E9. Zip Code	30294			
E10. Area of Opera	tion:	Ellenwood				
E11. Latitude:	33 °39 '52.0 "N					
E12. Longitude:	84°16′14.0 "W					
E13. Lat/Lon Coord	dinates are:	NAD-27	O NAD-83	O N/A		
E14. Site Elevation (AMSL):		236.0 meters				



E16. If the proposed antenna(s) do not operate in the Fixed Satellite Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	oposed antenna(s) comply with the antenna	O Yes	O No	⊚ N/A
E17. Is the facility operated by remote control? If YES, provide the location.	ation and telephone number of the control	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as Exhibit C	Yes	0	No
E19. Is coordination with another country required? If YES, attach the coordination contours as	name of the country(ies) and plot of	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FAI the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION				
Satellite Name: INTELSAT 707 INTELSAT 707 53 W.L. If you se	elected OTHER, please enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
	1.61	_		
Satellite Name: IS 14 IS 14 45 W.L. If you selected OTHER, pleas	e enter the following:			

E21. Common Na	ame:			E22. ITU Name:				
E23. Orbit Locati	ion:			E24. Country:				
				•				
Satellite Name: O	THER OTHER	If you selected	OTHER, please e	nter the following	:			
E21. Common Na	ame: IS-9			E22. ITU Name: USASAT 26G 66M				
E23. Orbit Locati	ion: 58 W.L.			E24. Country: USA				
Satellite Name: O	THER OTHER	If you selected	OTHER, please e	nter the following	:			
E21. Common Na	ame: IS 1R			E22. ITU Name: INTELSAT (7–9) 310E				
E23. Orbit Locati	ion: 50 W.L.			E24. Country:	USA			
Satellite Name: O	THER OTHER	If you selected	OTHER, please e	nter the following	:			
E21. Common Na	ame: IS-11			E22. ITU Name: USASAT 26C 55F				
E23. Orbit Locati	ion: 43 W.L.			E24. Country:				
POINTS OF C	COMMUNICATI	ON (Destination	Points)					
E25. Site Identific	er:							
E26. Common N	ame:			E27. Country:				
ANTENNA								
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)		
PAS ATLANTA	AK-10	1	RSI	1130	13.0	62.5 dBi at 11		

PAS ATLANTA	AK-10	1		RSI		1130		13.0		63.8 dBi at 14	
E28. Antenna Id	E33/34. Diameter Minor/Major (meters)		Above und Level ters)		bove Sea meters)	E37. Buil Height A Ground I (meters)	bove	E38. Total Input Powe antenna flat (Watts)		E39. Maximum Antenna Heigh Above Roofton (meters)	nt EIRP for al
AK-10	13.0/13.0	15.1		251.1		0.0		337.0		0.0	89.0
FREQUENCY											•
E28. Antenna Id	E43/44. Frequency Ba (MHz)	nds	E45. T/R Mo	ode	E46. Anto Polarizat L,R)		E47. E Design	mission ator		-	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
AK-10	12750 13250		Т		Linear and	d Circular	850KF	2D	88.2		64.9
E50. Modulati entirety.)	on and Services	(If th	e complete d	lescription	on does no	t appear in	this box	x, please go to	the o	end of the form	to view it in its
Command	carrier										
AK-10	13750 13770		Т		Horizonta Vertical	l and	850KF	2D	68.0		44.7

E50. Modulation entirety.)	and Services (If the	he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Command ca	rrier					
AK-10	13780 14000	Т	Linear and Circular	850KF2D	68.0	44.7
E50. Modulation entirety.)	`	he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Command Ce						
AK-10	14000 14500	Т	Linear and Circular	850KF2D	88.2	64.9
E50. Modulation entirety.)	and Services (If the	he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Command ca	rrier					
AK-10	10700 10950	Т	Linear and Circular	64K0G7W	0.0	0.0

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
	deo and data					
AK-10	10700 10950	Т	Linear and Circular	72M0G7W	0.0	0.0
entirety.) Digital vi	deo and data					
AK-10	10950 11200	R	Linear and Circular	64K0G7W	0.0	0.0
E50. Modulation entirety.) Digital vi	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
AK-10	10950 11200	R	Linear and Circular	72M0G7W	0.0	0.0

E50. Modulation entirety.)	and Services (If th	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
	deo and data					
AK-10	11200 11450	Т	Linear and Circular	64K0G7W	0.0	0.0
entirety.) Digital vi	deo and data					
AK-10	11200 11450	Т	Linear and Circular	72M0G7W	0.0	0.0
E50. Modulation entirety.) Digital vi	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
AK-10	11450 11700	R	Linear and Circular	64K0G7W	0.0	0.0

E50. Modulation	and Services (If the	ne complete description	on does not appear in	this box please go to	o the end of the form	to view it in its
entirety.)	and services (ii ti	ie complete description	on does not appear in	tins box, piease go t	o the end of the form	to view it in its
1	deo and data					
AK-10	11450 11700	R	Linear and Circular	72M0G7W	0.0	0.0
E50. Modulation entirety.) Digital vi	deo and data	е сопірієїє деястрио	on does not appear in	tinis box, piease go ti	o the end of the form	to view it in its
AK-10	11700 12200	R	Linear and Circular	72M0G7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Digital vi	deo and data					
AK-10	12750 13250	Т	Linear and Circular	64K0G7W	61.8	49.8

E50. Modulation	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Digital vi	deo and data					
AK-10	12750 13250	Т	Linear and Circular	72M0G7W	89.0	46.4
entirety.) Digital vi	deo and data					
AK-10	13750 13770	Т	Linear and Circular	265KG7W	68.0	49.8
E50. Modulation entirety.) Digital vi	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
AK-10	13750 13770	Т	Linear and Circular	72M0G7W	84.0	44.5

E50. Modulation	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
entirety.)		-				
Digital vi	deo and data					
AK-10	13780 14000	Т	Linear and Circular	265KG7W	68.0	49.8
E50. Modulation entirety.) Digital vi	deo and data	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
AK-10	13780 14000	Т	Horizontal and Vertical	72M0G7W	84.0	44.5
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Digital vi	deo and data					
AK-10	14000 14500	Т	Linear and Circular	72M0G7W	89.0	46.4

E50. Modulation entirety.)	and Services (If the	e complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Digital vi	deo and data					
AK-10	14000 14500	Т	Linear and Circular	72M0G7W	89.0	46.4
Digital vi	deo and data					
AK-10	14000 14500	Т	Linear and Circular	72M0G7W	89.0	46.4
E50. Modulation entirety.) Digital vi	and Services (If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
AK-10	14000 14500	Т	Linear and Circular	72M0G7W	89.0	46.4

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

	Digital	video	and	data
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FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
AK-10	Geostationary	10950 11200	40.0/123.0	119.6	29.0	235.3	33.2	0.0
	Geostationary	11450 11700	40.0/123.0	122.3	29.0	119.6	33.2	0.0
	Geostationary	11700 12200	40.0/123.0	119.6	29.0	235.3	29.0	0.0
	Geostationary	12500 12750	40.0/123.0	119.6	29.0	235.3	33.2	0.0
	Geostationary	12750 13250	40.0/123.0	122.3	29.0	235.3	33.2	-3.24
	Geostationary	13750 13770	40.0/123.0	119.6	29.0	235.3	33.2	-7.24
	Geostationary	13780 14000	40.0/123.0	119.6	29.0	235.3	33.2	-7.24

	Geostationary	14000 14500	40.0/123.0	119.6		29.0	235.3	33.2	-24.24		
REMOTE CONTROL POINT LOCATION											
E61. Call Sign					E66. Phone Number						
	se enter the calls ch this application			ot the							
E62. Street Address											
E63. City			E68. Count	у			E67/68. State/Country	ry	E64. Zip Code		

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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