Approved by OMB 3060–0678

Date & Time Filed: Nov 2 2010 1:55:01:190PM File Number: SES-AFS-20101102-01376

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 of Pending Modification of Earth Station License E940532

1–8. Legal Name of Applicant **Phone Number:** PanAmSat Licensee Corp. 202-944-7848 Name: DBA **Fax Number:** 202-944-7870 Name: Street: c/o Intelsat Corporation E-Mail: susan.crandall@intelsat.com 3400 International Drive, N.W. City: Washington State: DC **Country:** USA Zipcode: 20008 -3006 Attention: Susan H Crandall

Name:	Susa	n H. Crandall	Phone Number:	202–944–7848
Compa	ny:		Fax Number:	202–944–7870
Street:	c/o I	ntelsat Corporation	E-Mail:	susan.crandall@intelsat.com
	3400) International Drive, N.V	W.	
City:	Was	hington	State:	DC
Countr	y: USA	A	Zipcode:	20008-3006
Attenti	on: Susa	n H. Crandall	Relationship:	Legal Counsel
a1. Earth Statea2. Space State		b5. Assig b6. Trans	Modification of License or Registr ment of License or Registration afer of Control of License or Regis	stration
		¥	Notification of Minor Modification Application for License of New	n Receive–Only Station Using Non–U.S. Licensed
		(N/A) b9 States		. Licensed Satellite to Provide Service in the United
		(N/A) to Provide		to Access a Non–U.S.satellite Not Currently Authoriz posed Frequencies in the United States ry
		O b13.	Amendment to a Pending Databas	se Entry Application
		- 1.14	Modification of Database Entry	

17c. Is a fee submitted with this applicat	ion?							
⑥ 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 ONOncommercial educational licensee								
• Other(please explain):	* · · · ·							
17d.	7d.							
Fee Classification CGX – Fixed Satellite 'Station	Transmit/Receive Earth							
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending a modification please enter only the file number:	application enter both fields, if this filing is a						
(a) Call sign of station:	(a) Date pending application was filed:	(b) File number:						
E940532								
	07/17/2009	SESMFS2009071700872						

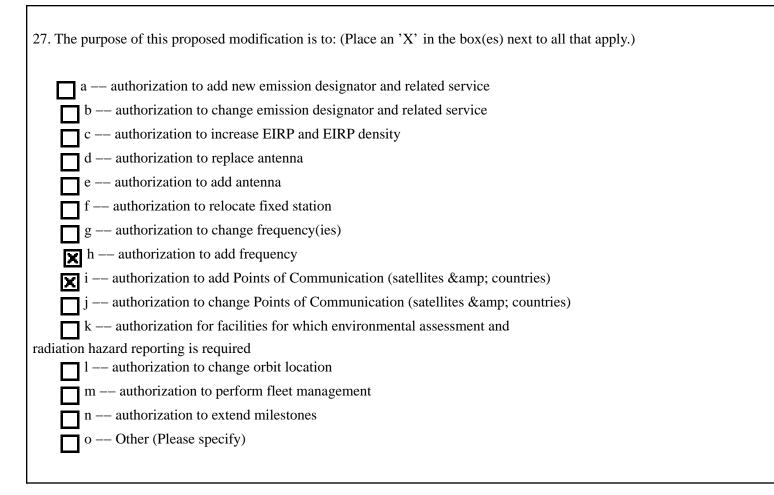
TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provid	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	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
• 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	applicable frequency band(s).
a. C–Band (4/6 GHz) k. Ku–Band (12/14 GHz)	
c.Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: Frequency Upper: (Please specify addition	onal 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
o c. 12/14 GHz VSAT Network
O 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



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 Exhil				
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aerona aeronautical fixed radio station services are not required to respond to Items 30–34.	autic	al en	rou	te or	•	
29. Is the applicant a foreign government or the representative of any foreign government?	0	Yes	۲	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	0	No	۲	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	0	No	۲	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?	0	Yes	0	No	۲	N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than	0	Yes	0	No	@	N/A
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?						

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? f Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	O Yes	
r	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	O No
		Exhibit D	

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.	O 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	O 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	O 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.

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.



O No

Yes

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?Permitted Space Station List Satellites Only

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 an amendment of its pending application to modify its Ellenwood, Georgia Ku-band earth station, call sign E940532 . Specifically, this amendment seeks to add authority to provide telemetry, tracking and command services to the Intelsat 11 satellite at 43.0 W.L.

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.	О ^В
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 applicable response	.)
O Individual	
• Unincorporated Association	
• Partnership	
Individual Unincorporated Association Partnership Corporation	
O Governmental Entity	
Other (please specify)	
U U	5 S
	Asst. General Counsel, Intersat Corporation
>	
(U.S. Code, Title 18, Section 1001), AND/OR	REVOCATION OF ANY STATION AUTHORIZATION

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

Location of Earth St	ation Site					
E1: Site Identifier:	Ellenwood	E5. Call Sign:	E940532			
E2: Contact Name	Mark Ratcliff	E6. Phone Number:	401-381-2839			
E3. Street:	2857 Fork Creek Road	E7. City:	Ellenwood			
		E8. County:	DeKalb			
E4. State	GA	E9. Zip Code	30294			
E10. Area of Opera	tion:	US CONUS				
E11. Latitude:	33 °39 '50.4 "N					
E12. Longitude:	84 °16 '18.7 "W					
E13. Lat/Lon Coord	linates are:	O ^{NAD-27}	● NAD-83	O N/A		
E14. Site Elevation	(AMSL):	237.8 meters				

by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy. \bigcirc Yes \bigcirc No \bigcirc N/A	by the manufacturer's quantication measurement? If NO, provide as a technical analysis showing compliance with	• Yes	O ^{No}	O N/A
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E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non–geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	O ^{Yes}	O ^{No}	● ^{N/A}
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	۲	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as Exhibit B	۲	Yes	0	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0	Yes	۲	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	0	Yes	۲	No

POINTS OF COMMUNICATION

Satellite Name: OTHER OTHER If you selected OTHER, please enter the following:					
E21. Common Name: INTELSAT 1R	E22. ITU Name:				
E23. Orbit Location: 310 E.L.	E24. Country: USA				

Satellite Name: ALSAT | ALL AUTHORIZED U.S. | ALSAT If you selected OTHER, please enter the following:

E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: INTELSAT 11 INTELSAT 11 43.0 W.L. If you selected OTHER, please enter the following:							
E21. Common Name:	E22. ITU Name:						
E23. Orbit Location:	E24. Country:						
POINTS OF COMMUNICATION (Destination Points)	POINTS OF COMMUNICATION (Destination Points)						
E25. Site Identifier:							
E26. Common Name:	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 at GHz)
Ellenwood	7.2M	1	General Dynamics	7.2 KPK	7.2	57.0 dBi at 12.00
Ellenwood	7.2M	1	General Dynamics	7.2 KPK	7.2	58.4 dBi at 14.00

Id	Diameter		· · · ·	Height Above Ground Level	Input Power at antenna flange	0	EIRP for al
7.2M	0.0/0.0	8.4	246.2	0.0	725.0	0.0	87.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
7.2M	11449 11449	R	Linear and Circular	300KF2D	0.0	0.0
E50. Modulation entirety.) TT&C Carri		ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
7.2M	11448 11448	R	Linear and Circular	300KFG2D	0.0	0.0
E50. Modulation entirety.) TT&C Carri	``````````````````````````````````````	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
7.2M	13246.5 13246.5	Т	Linear and Circular	750KF2D	78.4	55.7

E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
TT&C Carri	er					
7.2M	13995.5 13995.5	Т	Linear and Circular	750KF2D	78.4	55.7
E50. Modulation entirety.) TT&C Carri		ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
7.2M	10950.0 11200.0	R	OTHER	300KF3D	0.0	0.0
E50. Modulation entirety.)	and Services (If th	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
TT&C Carri	er					
7.2M	11450.0 12200.0	R	OTHER	300KF3D	0.0	0.0

E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
TT&C Carri	ler					
7.2M	13750.0 13772.0	Т	OTHER	950KF3D	80.0	56.2
E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
TT&C Carri	ler					
7.2M	13778.0 14000.0	Т	OTHER	950KF3D	80.0	56.2
E50. Modulation entirety.) TT&C Carri		ne complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
7.2M	14000.0 14500.0	Т	OTHER	950KF3D	80.0	56.2

E50. Modulation entirety.)	n and Services (If	the complete descrip	ption does not appe	ar in this box, please	go to the end of t	he form to view it in its
TT&C Carr	ier					
7.2M	10950.0 11200.0	R	OTHER	1M00G7F	0.0	0.0
E50. Modulation entirety.)	n and Services (If	the complete descrip	ption does not appe	ar in this box, please	go to the end of t	he form to view it in its
Digital V	ideo					
7.2M	10950.0 11200.0	R	OTHER	36M0G7F	0.0	0.0
E50. Modulation entirety.)	n and Services (If	the complete descrip	ption does not appe	ar in this box, please	go to the end of t	he form to view it in its
Digital V	ideo					
7.2M	11450.0 12200.0	R	OTHER	1M00G7F	0.0	0.0

E50. Modulation	n and Services (If t	he complete descript	ion does not appear ir	n this box, please go t	to the end of the form	to view it in its
entirety.)						
Digital V	ideo					
7.2M	11450.0 12200.0	R	OTHER	36M0G7F	0.0	0.0
E50. Modulation entirety.)	n and Services (If t	he complete descript	ion does not appear ir	n this box, please go t	to the end of the form	to view it in its
Digital V	ideo					
7.2M	14000.0 14500.0	Т	OTHER	1M00G7F	68.4	44.4
E50. Modulation entirety.)	n and Services (If t	he complete descript	ion does not appear ir	n this box, please go t	to the end of the form	to view it in its
Digital V	ideo					
7.2M	14000.0 14500.0	Т	OTHER	36M0G7F	83.9	44.4

E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Digital Vi	.deo					
7.2M	13772 13778	Т	Linear and Circular	6M00G7W	70.0	38.2
E50. Modulation entirety.)	and Services (If the services of the services	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Digital Vi	deo, Audio and	l Data				
7.2M	10950.0 11200.0	R	OTHER	36M0G7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Digital Vi	deo, Audio and	l Data				
7.2M	10950.0 11200.0	R	OTHER	56K0G7W	0.0	0.0

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.)	

7.2M	11450.0 12200.0	R	OTHER	36M0G7W	0.0	0.0
E50. Modul ntirety.)	lation and Services	(If the complete d	escription does not app	ear in this box, please	go to the end of	the form to view it in its
7.2M	11450.0 12200.0	R	OTHER	56K0G7W	0.0	0.0
E50. Modul entirety.)	lation and Services	(If the complete d	escription does not app	ear in this box, please	go to the end of	the form to view it in its
• /						
	l Video, Audio	and Data				

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, Audio and Data

7.2M	14000.0	Т	OTHER	56K0G7W	55.9	44.4
/.2111	14500.0	1	OTTILIC	50100710	55.9	

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, Audio and Data

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	Range of Satellite Arc Eastern/West	Station Azimuth Angle	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)
7.2M	Geostationary	10950 11200	43.0/58.0	122.3	31.3	138.3	41.8	0.0
	Geostationary	11450 11700	43.0/58.0	122.3	31.3	138.3	41.8	0.0

Geostationary	13750 14500	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	13772 13778	49.0/51.0	128.1	35.8	130.2	37.2	-14.9
Geostationary	14000 14500	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	10950.0 11200.0	49.0/51.0	128.1	35.8	130.2	37.2	0.0
Geostationary	11450.0 12750.0	49.0/51.0	128.1	35.8	130.2	37.2	0.0
Geostationary	13246.5 13246.5	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	13750.0 13772.0	49.0/51.0	128.1	35.8	130.2	37.2	-8.7
Geostationary	13778.0 14000.0	49.0/51.0	128.1	35.8	130.2	37.2	-8.7
Geostationary	13995.0 13995.0	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	13995.5 13995.5	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	14000.0 14500.0	49.0/51.0	128.1	35.8	130.2	37.2	-8.7
Geostationary	14000.5 14000.5	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	14494.5 14494.5	43.0/58.0	122.3	31.3	138.3	41.8	-12.7
Geostationary	14498.5 14498.5	43.0/58.0	122.3	31.3	138.3	41.8	-12.7

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number		
NOTE: Please enter the callsign of the contro callsign for which this application is being filed.				
E62. Street Address				
E63. City	E68. County		E67/68. State/Country /	E64. Zip Code

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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