Approved by OMB 3060–0678

Date & Time Filed: Feb 4 2011 5:09:36:630PM File Number: SES-MFS-20110204-00111

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: Request to Modify Earth Station License Call Sign E950307

1–8. Legal Name of Applicant Intelsat License LLC **Phone Number:** 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:	Susan H. Crandall	Phone Number:	202-944-7848
Company:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporati	n E-Mail:	susan.crandall@intelsat.com
	3400 International Dr	ve, N.W.	
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008-3006
Attention:	Susan H. Crandall	Relationship:	Legal Counsel
oth questions a. and b	•	I/A) b2. Application for Registration of N	•
	1 71		
	· · · · · · · · · · · · · · · · · · ·	b3. Amendment to a Pending Applicati	
r 17a and only one fo		b4. Modification of License or Registra	
	l d	b4. Modification of License or Registra Assignment of License or Registration	ation
r 17a and only one fo a1. Earth Station	n b n b	b4. Modification of License or Registra	ation
r 17a and only one fo a1. Earth Station	n de n b () ()	 b4. Modification of License or Registra Assignment of License or Registration Transfer of Control of License or Regis b7. Notification of Minor Modification 	ation
or 17a and only one fo	n b n b (1 (1 Sa (1	 b4. Modification of License or Registration Assignment of License or Registration Transfer of Control of License or Registration b7. Notification of Minor Modification b8. Application for License of New Feellite 	tration

(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

17c. Is a fee submitted with this application								
If Yes, complete and attach FCC Form	159. If No, indicate reason for fee exemption (s	see 47 C.F.R.Section 1.1114).						
• Governmental Entity • Noncommercial educational licensee								
• Other(please explain):								
17d.								
Fee Classification CGX – Fixed Satellite 7 Station	Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station							
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: E950307	(a) Date pending application was filed:	(b) File number:						
		SESMOD2010101201281						

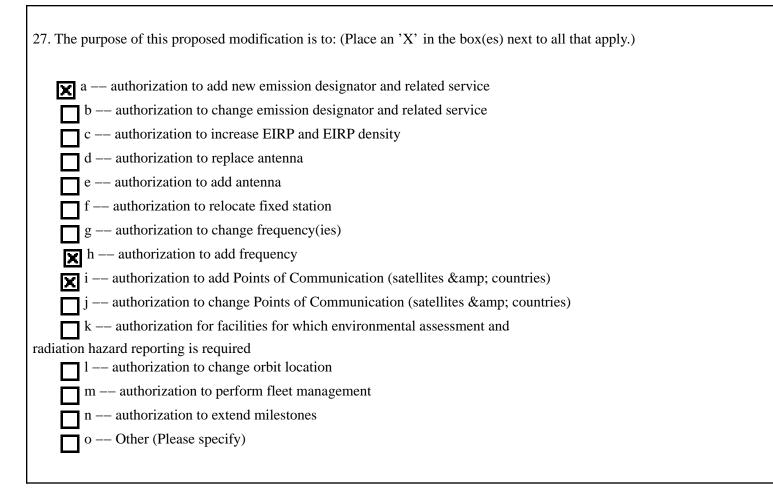
TYPE OF SERVICE

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
22. If and is and it is INTERNATIONAL COMMON CARDIER	
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) b. 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 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.)

Intelsat License LLC herein requests a modification of its Napa, California earth station license, call sign E950307, to add new polarization, frequencies, points of communication and emission designators. 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.	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.

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

Location of Earth St	tation Site					
E1: Site Identifier:	1	E5. Call Sign:	E970307			
E2: Contact Name	George Williams	E6. Phone Number:	(707)251–1131			
E3. Street:	961 ANSELMO COURT	E7. City:	NAPA			
		E8. County:				
E4. State	CA	E9. Zip Code	94558			
E10. Area of Operat	tion:	CONUS				
E11. Latitude:	38 °14 '43.7 "N					
E12. Longitude:	122 °16 '50.9 "W					
E13. Lat/Lon Coord	linates are:	ONAD-27	NAD-83	O N/A		
E14. Site Elevation	(AMSL):	7.6 meters				

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two–degree spacing policy.	● Yes ● No	O ^{N/A}
--	------------	------------------

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: INTEL 905 IS 905 24.5 W.L.	If you selected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: OTHER | OTHER | If you selected OTHER, please enter the following:

E21. Common Name: INTELSAT 901	E22. ITU Name:
E23. Orbit Location: 342E	E24. Country: USA

Satellite Name: INTELSAT 805 304.5 E.L. If you selected OTHER, please enter the following:				
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			

Satellite Name: INTEL 907 INTELSAT 907 27.5 W.L.	If you selected	ed OTHER, please enter the following:
E21. Common Name:		E22. ITU Name:
E23. Orbit Location:		E24. Country:

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: INTEL 903 INTELSAT 903 34.5 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)
1	1	1	VERTEX	15.2 KPC	15.2	54.9 dBi at 3.95
1	1	1	VERTEX	15.2 KPC	15.2	58.4 dBi at 6.175

Id			· · · · ·	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
1	15.2/15.2	15.39	23.01	0.0	3225.0	0.0	93.5

FREQUENCY

F	E43/44. Frequency (MHz)	Bands	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1	3700	4200	R	Linear and Circular	1M36G7W	0.0	0.0

							1
DATA							
	3700	4200	R	Linear and Circular	200KFXD	0.0	0.0
E50. Modulati ntirety.)	ion and Service	es (If the	ne complete descript	ion does not appear in	this box, please go	to the end of the form	m to view it in its
TT&C							
	5925	6425	Т	Linear and Circular	1M36G7W	68.0	42.7
E50. Modulati				Linear and Circular ion does not appear in			
E50. Modulati entirety.) DATA							

E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
TT&C							
1	5925	6425	Т	Linear and Circular	27M0F8F	82.8	52.8
E50. Modulation entirety.)	and Services	(If th	l ne complete description	l on does not appear in	this box, please go to	the end of the form	to view it in its
ANALOG TV							
1	5925	6425	Т	Linear and Circular	30M0F8F	83.2	53.2
E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
ANALOG TV							
1	5925	6425	Т	Linear and Circular	36M0F8F	84.0	54.0

E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
ANALOG TV							
1	5925	6425	Т	Linear and Circular	24M0G7F	80.5	42.7
E50. Modulation entirety.) DIGITAL TV		(If th	l ne complete descriptio	I on does not appear in	this box, please go to	the end of the form	to view it in its
1	5925	6425	Т	Linear and Circular	2M70G7F	71.0	42.7
E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
DIGITAL TV							
1	5925	6425	Т	Linear and Circular	54M0G7F	84.0	42.7

E50. Modulation entirety.)	n and Service	es (If the	he complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
DIGITAL T	V						
1	5925	6425	Т	Linear and Circular	6M50G7F	74.8	42.7
E50. Modulation entirety.)	n and Service	es (If th	he complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
DIGITAL T	V						
1	5925	6425	Т	Linear and Circular	8M00G7F	75.7	42.7
E50. Modulation entirety.)	n and Service	es (If th	he complete descripti	on does not appear in	this box, please go t	o the end of the form	to view it in its
DIGITAL T	V						
1	5925	6425	Т	Linear and Circular	9M80G7F	76.6	42.7

E50. Modulation entirety.)	and Services	(If th	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 TV							
1	3625	3700	R	Linear and Circular	60M0G7D	0.0	0.0
E50. Modulation entirety.)	and Services	(If th	l ne complete descriptio	n does not appear in	this box, please go to	the end of the form	to view it in its
DIGITAL DA	TA, VIDEO	OR V	OICE				
1	3700	4200	R	Linear and Circular	1M00G7W	0.0	0.0
E50. Modulation entirety.)	and Services	(If th	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 DA	TA, VIDEO	OR V	OICE				
1	3700	4200	R	Linear and Circular	72M0G7W	0.0	0.0

E50. Modulation entirety.)	and Services	(If th	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 DA	TA, VIDEC) OR V	OICE				
1	5850	5925	Т	Linear and Circular	1M00G7D	63.9	39.9
E50. Modulation entirety.)	and Services	(If th	l ne complete description	l on does not appear in	this box, please go t	the end of the form	to view it in its
DIGITAL DA	TA, VIDEC	OR V	OICE				
1	5850	5925	Т	Linear and Circular	72M0G7D	73.0	30.4
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
DIGITAL DA	TA, VIDEC) OR V	OICE				
1	5925	6425	Т	Linear and Circular	1M00G7W	64.0	40.0

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.)

DIGITAL DATA, VIDEO OR VOICE

1	5925	6425	Т	Linear and Circular	72M0G7W	73.0	30.5
1	5925	6425	1	Linear and Circular	/211100/ 1	73.0	50.5

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 DATA, VIDEO OR VOICE

FREQUENCY COORDINATION

E28. Antenna Id		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)
1	Geostationary	3625 3700	58.0/194.0	106.6	11.4	258.4	5.6	0.0
	Geostationary	3700 4200	58.0/194.0	106.6	11.4	258.4	5.6	0.0

	Geostationary	5850 5925	58.0/194.0	106.6	11.4	258.4	5.6	8.9				
	Geostationary	5925 6425	58.0/194.0	106.6	11.4	258.4	5.6	8.9				
REMOTE CO	NTROL POIN	T LOCATION	-									
E61. Call Sig	gn			E	6. Phone Number	r						
		ign of the contro on is being filed.		t the								
E62. Street A	Address			·								
E63. City			E68. County	1		E67/68. State/Country /	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.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060–0678.

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.