Date & Time Filed: Jun 9 2006 4:41:47:760PM File Number: SES-MOD-INTR2006-01544

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MA	AIN 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:

Requesting authority to operate Ku band satellite Earth Stations on Vessels ('ESV') 6.1m

1–8. Legal Name of Ap	plicant		
Name:	Stratos Offshore Services Company	Phone Number:	504-323-2727
DBA Name:		Fax Number:	504-323-2729
Street:	701 Poydras St. Suite 1550	E–Mail:	sue.gibbs@stratosglobal.com
City:	New Orleans	State:	LA
Country:	USA	Zipcode:	70139 –
Attention:	Ms. Sue Gibbs		

#### 9–16. Name of Contact Representative

Name: Alfred Mamlet Phone Number: 202 429–6205

Company: Steptoe & Johnson LLP Fax Number: 202 429–3902

Street: 1330 Connecticut Ave., NW E-Mail: amamlet@steptoe.com

City: Washington State: DC

**Country:** USA **Zipcode:** 20036–1795

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

(N/A) b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

b5. Assignment of License or Registration

b6. Transfer of Control of License or Registration

(N/A) 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)

17c. Is a fee submitted with this application.  If Yes, complete and attach FCC Form.		ee 47 C.F.R.Section 1.1114).				
<ul> <li>If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).</li> <li>Governmental Entity</li> <li>Noncommercial educational licensee</li> </ul>						
Other(please explain):						
17d.						
Fee Classification CGV – Fixed Satellite VSAT System						
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:	pplication enter both fields, if this filing is a				
(a) Call sign of station: E980235	(a) Date pending application was filed:	(b) File number:				
L700233		SESMOD2005092101307				

### 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)	
	. 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 services:	ice, see instructions regarding Sec. 214 filings. Choose one. Are these
Connected to a Public Switched Network Not connected to a Public Switched Network	lic Switched Network N/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all appli	cable 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

5. 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)
6. 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 & Double
j — authorization to change Points of Communication (satellites & tountries)
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?

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.	_		•			
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 er	ı roı	ıte o	r	
29. Is the applicant a foreign government or the representative of any foreign government?	٥	Yes	•	, No	)	
30. Is the applicant an alien or the representative of an alien?	0	Yes	•	. No	0	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	•	, No	, o	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	0	Yes	•	. No	· o	N/A

O Yes No

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental

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?	● Yes ◆	No O 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.	Attachment A	
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.	• 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.	O Yes	<b>⊚</b> No

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	<b>O</b> 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.	O Yes  Attachment E	<b>●</b> 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.	Attachment D	

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.	<b>⊚</b> 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 Attachment C	<b>⊚</b> No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued coordinated or is in the process of coordinating the space station?	, what administra	ntion 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.)

Stratos Offshore Services Company ('Stratos Offshore') seeks authority to modify its existing earth station authorization (E980235)to permit the operation of Ku band Earth Stations on Board Vessels ('ESVs') through a hub station (6.1m) in the United States.

Attachment B

#### **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.)	
<ul> <li>Individual</li> <li>Unincorporated Association</li> <li>Partnership</li> <li>Corporation</li> <li>Governmental Entity</li> <li>Other (please specify)</li> </ul>	
45. Name of Person Signing Sue Gibbs>	46. Title of Person Signing Regulatory Specialist

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 St	tation Site					
E1: Site Identifier:	Hub-2	E5. Call Sign:	E980235			
E2: Contact Name	N/A	E6. Phone Number:	337 761–2000			
E3. Street:	1710 W. Willow Street	E7. City:	Scott			
		E8. County:	Lafayette			
E4. State	LA	E9. Zip Code	70583			
E10. Area of Opera	tion:	CONUS				
E11. Latitude:	30 °18 '37.7 "N					
E12. Longitude:	92 °3 '6.4 "W					
E13. Lat/Lon Coord	dinates are:	<b>○</b> NAD-27	● NAD-83	O N/A		
E14. Site Elevation	(AMSL):	11.6 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.

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?	pposed antenna(s) comply with the antenna	O Yes	O No	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the loca point.	ation and telephone number of the control	O Yes	•	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the recoordination 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 FAZ the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	O Yes	•	No	
POINTS OF COMMUNICATION				
Satellite Name: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you s	selected OTHER, please enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
POINTS OF COMMUNICATION (Destination Points)	•			
E25. Site Identifier: Hub–2				

E26. Common Name:	E27. Country: USA
	1

### ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
Hub-2	Hub-2	1	Vertex	KPK	6.1	56.0 dBi at 12.0	
Hub-2	Hub-2	1	Vertex	KPK	6.1	57.0 dBi at 14.0	

Id	Diameter		,	Height Above Ground Level	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Hub-2	0.0/0.0	7.0	18.7	0.0	68.0	0.0	75.7

# FREQUENCY

	E43/44. Frequency Bands (MHz)				E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Hub-2	11700.0000 12200.0000	R	Horizontal and Vertical	58KG7D	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
QPSK, DATA						
Hub-2	14000.0000 14500.0000	Т	Horizontal and Vertical	58KG7D	39.7646	28.1373
QPSK, DATA						
Hub-2	11700.0000 12200.0000	R	Horizontal and Vertical	154KG7W	0.0	0.0
E50. Modulation entirety.)  QPSK, 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
Hub-2	11700.0000 12200.0000	R	Horizontal and Vertical	4M67G7W	0.0	0.0

E50. Modulation	and Caminas (If the			4h:a haw wlassa as 4s		
entirety.)	and Services (II th	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
QPSK, DATA						
Hub-2	11700.0000 12200.0000	R	Horizontal and Vertical	5M57G7D	0.0	0.0
E50. Modulation entirety.)  QPSK, 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
Hub-2	14000.0000 14500.0000	Т	Horizontal and Vertical	154KG7W	44.6343	28.7592
E50. Modulation entirety.)	and Services (If th	e complete description	on does not appear in	this box, please go to	the end of the form	to view it in its
QPSK, DATA						
Hub-2	14000.0000 14500.0000	Т	Horizontal and Vertical	4M67G7W	59.8825	29.1202

### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	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)
Hub-2	Geostationary	11700.0 12200.0	43.0/143.0	113.6	26.7	247.8	25.1	0.0
	Geostationary	14000.0 14500.0	43.0/143.0	113.6	26.7	247.8	25.1	-17.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign		E66. Phone Number		
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.				
E62. Street Address	•			
E63. City	E68. County		E67/68. State/Country	E64. Zip Code

# 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:	Remote 1	E5. Call Sign:	N/A	
E2: Contact Name	N/A	E6. Phone Number:	337 761–2000	
E3. Street:	1710 W. Willow Street	E7. City:	Scott	
		E8. County:	Lafayette	
E4. State	LA	E9. Zip Code	70583	
E10. Area of Opera	tion:	CONUS		
E11. Latitude:	0 °0 '0.0 "			
E12. Longitude:	0 °0 '0.0 "			
E13. Lat/Lon Coord	linates are:	○ NAD-27	<b>●</b> NAD-83	O N/A
E14. Site Elevation	(AMSL):	0.0 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.	O Yes	O No	<b>⊚</b> 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?	○ Yes	O No	<b>⊗</b> N/A

E17. Is the facility operated by remote control? If YES, provide the locat point.	ion and telephone number of the control	O Yes	No
		1	
E18. Is frequency coordination required? If YES, attach a frequency coordination required?	rdination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the national contours as	ame of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	O Yes	No	
POINTS OF COMMUNICATION			
Satellite Name: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you se	elected OTHER, please enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier: Remote 1			
E26. Common Name:	E27. Country: USA		

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)	
Remote 1	Remote 1	300	Seatel	4003	1.0	39.63 dBi at 11.95	
Remote 1	Remote 1	300	Seatel	4003	1.0	41.7 dBi at 14.25	

E28. Antenna Id	Diameter		, ,	Height Above Ground Level	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 1	0.0/0.0	0.0	0.0	0.0	2.56	0.0	45.78

# FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Remote 1	11700.0000 12200.0000	R	Horizontal and Vertical	58KG7D	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
QPSK, DATA						
Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	58KG7D	34.437	22.8097
E50. Modulation entirety.)  QPSK, DATA		ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 1	11700.0000 12200.0000	R	Horizontal and Vertical	154KG7W	0.0	0.0
E50. Modulation entirety.)  QPSK, DATA		ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 1	11700.0000 12200.0000	R	Horizontal and Vertical	465KG7D	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
QPSK, DATA						
Remote 1	11700.0000 12200.0000	R	Horizontal and Vertical	619KG7W	0.0	0.0
E50. Modulation entirety.)  QPSK, DATA		ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	154KG7W	39.6678	23.7928
E50. Modulation entirety.)  QPSK, DATA	,	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	465KG7D	43.4681	22.81

E50. Modulation ntirety.)	and Services (If	the complete desc	ription does not appear	in this box, please	go to the end of the	e form to view it in its
QPSK, DATA	<b>\</b>					
emote 1	14000.0000 14500.0000	Т	Horizontal and Vertical	619KG7W	45.6884	23.7915
E50. Modulation tirety.)	and Services (If	the complete desc	ription does not appear	in this box, please	go to the end of the	e form to view it in its
QPSK, DATA						

## FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle		E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 1	Geostationary	11700.0000 12200.0000	43.0/143.0	0.0	15.0	0.0	15.0	0.0

	Geostationary	14000.0000 14500.0000	43.0/143.0	0.0	1	15.0	0.0	15.0	-12.79	
REMOTE CONTROL POINT LOCATION										
E61. Call Sign						Phone Nui	mber			
callsign for whi	NOTE: Please enter the callsign of the controlling station, not the allsign for which this application is being filed.									
E62. Street	Address									
E63. City E68. County							E67/68. State/Count	rry	E64. Zip Code	
				lule B:(Te		d Operation	ATIONS onal Description)			

Location of Earth St	tation Site				
E1: Site Identifier:	Remote 2	E5. Call Sign:	N/A		
E2: Contact Name	N/A	E6. Phone Number:	337 761–2000		
E3. Street:	1710 W. Willow Street	E7. City:	Scott		
		E8. County:	Lafayette		
E4. State	LA	E9. Zip Code	70583		
E10. Area of Opera	tion:	CONUS			
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	dinates are:	O NAD-27	<b>○</b> NAD-83	N/A	
E14. Site Elevation (AMSL):		0.0 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	O No	● 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?	<b>○</b> Yes	O No	<b>⊚</b> N/A

E17. Is the facility operated by remote control? If YES, provide the locat point.	ion and telephone number of the control	O Yes	No
		1	
E18. Is frequency coordination required? If YES, attach a frequency coordination required?	rdination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION			
Satellite Name: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you se	elected OTHER, please enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier: Remote 2			
E26. Common Name:	E27. Country: USA		

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)
Remote 2	Remote 2	150	Seatel	4996	1.2	39.6 dBi at 11.95
Remote 2	Remote 2	150	Seatel	4996	1.2	43.2 dBi at 14.25

E28. Antenna Id	Diameter		, ,	Height Above Ground Level	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 2	0.0/0.0	0.0	0.0	0.0	6.0	0.0	50.98

## FREQUENCY

	E43/44. Frequency Bands (MHz)				E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	1M4G7D	0.0	0.0

E50. Modulation entirety.)	and Services (If t	he complete descripti	on does not appear ir	this box, please go t	o the end of the form	to view it in its
QPSK, DATA						
Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	58KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descripti	on does not appear ir	this box, please go t	o the end of the form	to view it in its
QPSK, DATA						
Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	1M4G7D	48.6974	23.2454
E50. Modulation entirety.)	and Services (If t	he complete descripti	on does not appear ir	this box, please go t	o the end of the form	to view it in its
QPSK, DATA	<b>.</b>					
Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	58KG7D	34.5735	22.9463

E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	n this box, please g	go to the end of the	e form to view it in its
QPSK, DATA						
Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	309KG7W	0.0	0.0
E50. Modulation entirety.)  QPSK, DATA		the complete descript	ion does not appear	n this box, please g	go to the end of the	e form to view it in its
Remote 2	11700.0000 12200.0000	R	Horizontal and Vertical	928KG7W	0.0	0.0
E50. Modulation entirety.)  QPSK, DATA		the complete descript	ion does not appear	n this box, please g	go to the end of the	e form to view it in its
Remote 2	14000.0000 14500.0000	Т	Horizontal and Vertical	309KG7W	42.5917	23.7051

### FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	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)
Remote 2	Geostationary	11700.0 12200.0	43.0/143.0	0.0	15.0	0.0	15.0	0.0
	Geostationary	14000.0 14500.0	43.0/143.0	0.0	15.0	0.0	15.0	-12.7

REMOTE CONTROL POINT LOCATION

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

# 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:	Remote 3	E5. Call Sign:	N/A	
E2: Contact Name	N/A	E6. Phone Number:	337 761–2000	
E3. Street:	1710 W. Willow Street	E7. City:	Scott	
		E8. County:	Lafayette	
E4. State		E9. Zip Code	70583	
E10. Area of Operat	tion:	CONUS		
E11. Latitude:	0 °0 '0.0 "			
E12. Longitude:	0 °0 '0.0 "			
E13. Lat/Lon Coord	linates are:	<b>○</b> NAD-27	O NAD-83	N/A
E14. Site Elevation	(AMSL):	0.0 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	O 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?	○ Yes	O No	<b>⊚</b> N/A

E17. Is the facility operated by remote control? If YES, provide the locat point.	ion and telephone number of the control	O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	's study regarding the potential hazard of	O Yes	No
POINTS OF COMMUNICATION			
Satellite Name: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you se	elected OTHER, please enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier: Remote 3			
E26. Common Name: ANTENNA	E27. Country: USA		

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)	
Remote 3	Remote 3	150	Seatel	9797–32	2.4	47.49 dBi at 11.95	
Remote 3	Remote 3	150	Seatel	9797–32	2.4	49.3 dBi at 14.45	

Id	Diameter		, ,	Height Above	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 3	0.0/0.0	0.0	0.0	0.0	8.0	0.0	58.3

## FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	116G7D	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.)		r r		, r 8		
QPSK, DATA						
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	1M4G7D	0.0	0.0
E50. Modulation entirety.)  QPSK, DATA		ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	116G7D	38.5065	23.8689
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
QPSK, DATA	·					
Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	1M4G7D	49.3221	23.8701

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
QPSK, DATA						
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	2M06G7W	0.0	0.0
E50. Modulation entirety.)  QPSK, 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
Remote 3	11700.0000 12200.0000	R	Horizontal and Vertical	309KG7W	0.0	0.0
E50. Modulation entirety.)  QPSK, DATA		ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	2M06G7W	52.7694	25.6507

E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please	go to the end of the	form to view it in its
QPSK, DATA	•					
Remote 3	14000.0000 14500.0000	Т	Horizontal and Vertical	309KG7W	43.7389	24.8522
E50. Modulation ntirety.)	and Services (If	the complete descript	ion does not appear	in this box, please	go to the end of the	form to view it in its
QPSK, DATA	s					

## 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		E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 3	Geostationary	11700.0000 12200.0000	43.0/143.0	0.0	15.0	0.0	15.0	0.0

	Geostationary	14000.0000 14500.0000	43.0/143.0	0.0		15.0	0.0	15.0	-10.65
REMOTE CO	NTROL POIN	T LOCATION		•		•		•	
E61. Call Sign  NOTE: Please enter the callsign of the controlling station, not the					E66	. Phone Number			
eallsign for which this application is being filed.									
E62. Street A	Address								
E63. City			l				E67/68. State/Country	E64	. Zip Code
			ATELLITE EAR m 312 – Schedu FOR		hnical a	and Operational			

Location of Earth St	tation Site				
E1: Site Identifier:	Remote 4	E5. Call Sign:	N/A		
E2: Contact Name	N/A	E6. Phone Number:	337 761–2000		
E3. Street:	1710 W. Willow Street	E7. City:	Scott		
		E8. County:	Lafayette		
E4. State	LA	E9. Zip Code	70583		
E10. Area of Opera	tion:	CONUS			
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	dinates are:	O NAD-27	<b>○</b> NAD-83	N/A	
E14. Site Elevation	(AMSL):	0.0 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	O No	● 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?	<b>○</b> Yes	O No	<b>⊚</b> N/A

E17. Is the facility operated by remote control? If YES, provide the locat point.	ion and telephone number of the control	O Yes	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as	O Yes	No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	O Yes	No	
POINTS OF COMMUNICATION			
Satellite Name: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you se	elected OTHER, please enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		
POINTS OF COMMUNICATION (Destination Points)			
E25. Site Identifier: Remote 4			
E26. Common Name: ANTENNA	E27. Country: USA		

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)	
Remote 4	Remote 4	150	Seatel	4006	1.0	39.6 dBi at 11.95	
Remote 4	Remote 4	150	Seatel	4006	1.0	41.7 dBi at 14.25	

Id	Diameter		, ,	Height Above Ground Level	Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 4	0.0/0.0	0.0	0.0	0.0	4.0	0.0	47.72

## FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	1M4G7D	0.0	0.0

E50. Modulation	and Sarvigae (If th	a complete description	on door not appear in	this how places go to	o the end of the form	to viou it in its
entirety.)	and services (if the	ie complete description	on does not appear in	uns box, please go u	o the end of the form	to view it iii its
QPSK, DATA						
Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	58KG7D	0.0	0.0
E50. Modulation entirety.)  QPSK, 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
Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	1M4G7D	47.4967	22.0447
E50. Modulation entirety.)  QPSK, DATA	· ·	le complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	58KG7D	34.437	22.8097

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
QPSK, DATA						
Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	154KG7W	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
QPSK, DATA						
Remote 4	11700.0000 12200.0000	R	Horizontal and Vertical	928KG7W	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
QPSK, DATA						
Remote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	154KG7W	39.6678	23.7928

E50. Modulation ntirety.)	and Services (If	the complete descri	ription does not appear	in this box, please	go to the end of the	form to view it in its
QPSK, DATA						
emote 4	14000.0000 14500.0000	Т	Horizontal and Vertical	928KG7W	47.4492	23.7935
E50. Modulation tirety.)	and Services (If	the complete descri	ription does not appear	in this box, please	go to the end of the	form to view it in its
QPSK, DATA						

## 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		E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 4	Geostationary	11700.0000 12200.0000	43.0/143.0	15.0	0.0	15.0	0.0	0.0

	Geostationary	14000.0000 14500.0000	43.0/143.0	0.0		15.0	0.0	15.0	-13.04	
REMOTE CC	<u> </u> NTROL POIN	<u> </u> T LOCATION		<u> </u>						
E61. Call Si	gn				E66	. Phone Nun	nber			
	se enter the calls	•	•	t the						
E62. Street	Address									
E63. City			E68. County	7			E67/68. State/Count	rry	E64. Zip Code	

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