Date & Time Filed: Oct 8 2003 9:10:16:293PM File Number: SES-MOD-INTR2003-01980

Ī	FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM	FCC Use Only
	FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

VSAT Mod to Add ESV Authority

Legal Name of A	pplicant		
Name:	Stratos Offshore Services Company	Phone Number:	504-323-2708
DBA Name:		Fax Number:	504-323-2768
Street:	701 Poydras St. Suite 1550	E–Mail:	greg_necaise@stratosoilandgas.com
City:	New Orleans	State:	LA
Country:	USA	Zipcode:	70139 –
Attention:	Mr Greg Necaise		

9–16. Name of Contact Representative (If other than applicant)

Name: Alfred Mamlet Phone Number: 202–429–3000

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

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

City: Washington State: DC

Country: USA Zipcode: 20036–

Contact Relationship: Legal Counsel

Title:

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.

(N/A) b1.

(N/A) b2.

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 applicati a If Yes, complete and attach FCC Form	on? 159. If No, indicate reason for fee exemption	(see 47 C.F.R.Section 1.1114).
Governmental Entity Noncomme		
Other(please explain):		
17d.		
Fee Classification A 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 modification please enter only the file number.	
(a) Call sign of station: E980235	(a) Date pending application was filed:	(b) File number:
L700233		SESMOD2001082201612

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:
a. Fixed Satellite
b. Mobile Satellite
c. Radiodetermination Satellite
d. Earth Exploration Satellite
e. Direct to Home Fixed Satellite
f. Digital Audio Radio Service
g. Other (please specify)
21. STATUS: Choose the button next to the applicable status. Choose 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 service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:
Connected to a Public Switched Network Not connected to a Public Switched Network N/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all applicable frequency band(s).
a. C–Band (4/6 GHz) b . Ku–Band (12/14 GHz)
c.Other (Please specify upper and lower frequencies in MHz.)
Frequency Lower: Frequency Upper: (Please specify additional frequencies in an attachment)

TYPE OF STATION

25. CLASS OF STATION: Choose the button	next to the class of sta	tion that applies. Choose only	one.	
a. Fixed Earth Station				
o b. Temporary–Fixed Earth Station				
oc. 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/Δ		
Transmit/Receive Transmit-Only "For Space Station applications, select N/A."	O Receive—Only	O 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

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.		RadF	Iaz			
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronaeronautical fixed radio station services are not required to respond to Items 30–34.	autic	al en	rout	te or		
29. Is the applicant a foreign government or the representative of any foreign government?	0	Yes	•	No	0	N/A
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	0	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	•	No	0	N/A

O Yes O 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

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	0	No	O 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.		⊚ 7	Yes	С	No	
	VSA	AT_A	tt			
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.		0 7	Yes	•	No	
	Rem	note 4				

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
	Remote 6	
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	O Yes	No
means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	Remote 7	
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.	O 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?	hat administr	ration has
43. Description. (Summarize the nature of the application and the services to be provided). (If the complete descriptions, please go to the end of the form to view it in its entirety.) See attached narrative. Narrative	on does not a	ppear in this

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.

true, complete and correct to the best of his or h	ner knowledge and beli	ef, and are made in good f	faith.	
44. Applicant is a (an): (Choose the button next	to applicable response	e.)		
IndividualUnincorporated AssociationPartnership				
Corporation				
Governmental Entity				
Other (please specify)				
45. Name of Person Signing		46. Title of Person Sig		
Peter C. Malcolm		IP VSAT Program Ma	nager	
47. Please supply any need attachments.				
Attachment 1:	Attachment 2:		Attachment 3:	

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:	Remote 2	E5. Call Sign:	E980235	
E2: Contact Name	Peter C. Malcolm	E6. Phone Number:	(337) 761–3574	
E3. Street:	1710 W. Willow St.	E7. City:	Scott	
		E8. County:	Lafayette	
E4. State	LA	E9. Zip Code	70583	
E10. Area of Operation:		CONUS, Gulf of M	exico	
E11. Latitude:	0 °0 '0.0 "			
E12. Longitude:	0 °0 '0.0 "			
E13. Lat/Lon Coord	linates are:	O NAD-27	● 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.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Ser Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	O Yes	O No	● N/A	
E17. Is the facility operated by remote control? If YES, provide the loca point.	Yes	٥	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 n 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 FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL I APPLICATION.	O Yes	•	No	
POINTS OF COMMUNICATION				
Satellite Name: OTHER If you selected OTHER, please enter the	following:			
E21. Common Name: NSS-7 E22. ITU Name: NSS-16				
E23. Orbit Location: 22W E24. Country: Netherlands				
Satellite Name: OTHER If you selected OTHER, please enter the	following:			

E21. Common Name: AMC-4	E22. ITU Name: AMC-4
E23. Orbit Location: 101W	E24. Country: USA
POINTS OF COMMUNICATION (Destination Points)	

E25. Site Identifier: Remote 2	
E26. Common Name:	E27. Country: USA

E25. Site Identifier: Remote 2	
E26. Common Name: AMC-4	E27. Country: USA

E25. Site Identifier: Remote 2	
E26. Common Name: NSS-7	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer		Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
Remote 2	Remote 2	100	Channel Master	120	0.0	0.0 dBi at

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	0.0	0.0	0.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency (MHz)	y Bands T/R<	 br>Mode	E46. Antenna Polarization(H,V L,R)	E47. Emission Designator		Iaximum per Carrier	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
E50. Modulati entirety.)	ion and Service	es (If the con	nplete description	n does not appear	in this box, plea	se go to the end	d of the form	to view it in its
FREQUENCY (TO # 4 /# #	DEC D. A	7.55	T. T	T 50	In.(0
	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	0	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 CONTROL POINT LOCATION

E61. Call Sign E980235 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	E66. Phone Number (337) 761–2000
E62. Street Address 1710 W. Willow Street	

E63. City	E68. County	E67/68.	E64. Zip Code
Scott	Lafayette	State/Country	70583
		LA/ USA	

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

Location of Earth Station Site

E1: Site Identifier: Remote 3 E5. Call Sign: E980235

E2: Contact Name Peter C. Malcolm E6. Phone (337) 761–3574

Number:

E3. Street: 1710 W. Willow St. E7. City: Scott

E8. County: Lafayette

E4. State LA E9. Zip Code 70583

E10. Area of Operation: CONUS, Gulf of Mexico

E11. Latitude: 0 °0 '0.0 "

E12. Longitude: 0 °0 '0.0 "

E13. Lat/Lon Coordinates are: NAD-27 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?	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.	⊚ Yes	· o	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	· •	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.	O Yes	• •	No
POINTS OF COMMUNICATION			
Satellite Name: OTHER If you selected OTHER, please enter the following:			

E21. Common Name: NSS-7	E22. ITU Name: NSS-16
E23. Orbit Location: 22W	E24. Country: Netherlands

Satellite Name: OTHER If you selected OTHER, please enter the fo	If you selected OTHER, please enter the following:			
E21. Common Name: AMC-4	E22. ITU Name: AMC-4			
E23. Orbit Location: 101W	E24. Country: USA			

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier: Remote 3	
E26. Common Name:	E27. Country: USA

E25. Site Identifier: Remote 3	
E26. Common Name: AMC-4	E27. Country: USA

E25. Site Identifier: Remote 3	
E26. Common Name: NSS-7	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 3	Remote 3	100	Channel Master	243	2.4	47.6 dBi at 11.950
						49.3 dBi at 14.250

Id			` ′	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 3	0.0/0.0	0.0	0.0	0.0	2.0	0.0	52.3

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 12200	R	Horizontal and Vertical	50KG7D	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.)

QPSK, Data

L							
	Remote 3	11700	R	Horizontal and	100KG7D	0.0	0.0
		12200		Vertical			

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.)

QPSK, Data

Remote 3	11700 12200	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear i	n this box, please go t	to the end of the form	to view it in its
QPSK, Data						
Remote 3	11700 12200	R	Horizontal and Vertical	400KG7D	0.0	0.0
QPSK, data						
Remote 3	14000 14500	Т	Horizontal and Vertical	50KG7D	36.8	26.2
E50. Modulation entirety.) QPSK, Data	·	ne complete descripti	on does not appear i	n this box, please go t	o the end of the form	to view it in its
gron, baca						

Remote 3	14000 14500	Т	Horizontal and Vertical	100KG7D	39.8	26.2
E50. Modula entirety.)	ation and Services	(If the complete d	lescription does not appear	in this box, please	go to the end of the	he form to view it in its
QPSK, D	ata					
Remote 3	14000 14500	Т	Horizontal and Vertical	200KG7D	42.8	26.2
QPSK, D						
Remote 3	14000 14500	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modula entirety.)	ation and Services	(If the complete d	lescription does not appear	in this box, please	go to the end of the	he form to view it in its
QPSK, D	ata					

FREQUENCY COORDINATION

E28. Antenna Id			Range of Satellite Arc Eastern/West	Station Azimuth Angle	E57. Antenna Elevation Angle Eastern Limit	Station Azimuth Angle	Antenna Elevation Angle	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 3	Geostationary	11700 14500	43.0/143.0	0.0	8.0	0.0	8.0	-8.4

REMOTE CONTROL POINT LOCATION

E61. Call Sign E980235 NOTE: Please enter the callsign of the controcallsign for which this application is being filed.	E66. Phone Number (337) 761–2000			
E62. Street Address 1710 W. Willow Street				
E63. City Scott	E68. County Lafayette		E67/68. State/Country LA/ USA	E64. Zip Code 70583

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 4	E5. Call Sign:	E980235		
E2: Contact Name	Peter C. Malcolm	E6. Phone Number:	(337) 761–3574		
E3. Street:	1710 W. Willow St.	E7. City:	Scott		
		E8. County:	Lafayette		
E4. State	LA	E9. Zip Code	70583		
E10. Area of Operat	ion:	CONUS, Gulf of Mo	exico		
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	linates are:	○ NAD-27	● 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.	● 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?	O Yes	O No	● N/A

E17. Is the facility operated by remote control? If YES, provide the locar point.	tion and telephone number of the control	Yes No
E18. Is frequency coordination required? If YES, attach a frequency coo	ordination report as	O Yes O No
E19. Is coordination with another country required? If YES, attach the n coordination contours as	ame of the country(ies) and plot of	O Yes O 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 FAPPLICATION.	a's study regarding the potential hazard of	O Yes O No
POINTS OF COMMUNICATION		•
Satellite Name: OTHER If you selected OTHER, please enter the f	following:	
E21. Common Name: NSS-7	E22. ITU Name: NSS-16	
E23. Orbit Location: 22W	E24. Country: USA	
Satellite Name: OTHER If you selected OTHER, please enter the f	Following:	
E21. Common Name: AMC-4	E22. ITU Name: AMC-4	
E23. Orbit Location: 101W	E24. Country: USA	
POINTS OF COMMUNICATION (Destination Points)	1	
E25. Site Identifier: Remote 4		

E26. Common Name:	E27. Country: USA
E25. Site Identifier: Remote 4	
E26. Common Name: AMC-4	E27. Country: USA
E25. Site Identifier: Remote 4	
E26. Common Name: NSS-7	E27. Country: USA
ANTENNA	<u> </u>

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
Remote 4	Remote 4	25	Orbit	AL-7104	1.2	41.7 dBi at 11.950
						43.2 dBi at 14.250

E28. Antenna Id			` ′	Height Above	Input Power at	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	50.2

FREQUENCY

E43/44.					E49. Maximum
Frequency Bands	T/R Mode	Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
(MHz)		L,R)		(dBW)	Carrier
					(dBW/4kHz)

Remote 4	11700 12200	R	Horizontal and Vertical	50KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear i	in this box, please go	to the end of the form	n to view it in its
QPSK, Data						
Remote 4	11700 12200	R	Horizontal and Vertical	100KG7D	0.0	0.0
QPSK, Data						
Remote 4	11700 12200	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear i	in this box, please go	to the end of the form	n to view it in its
QPSK, Data						

Remote 4	11700 12200	R	Horizontal and Vertical	400KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descripti	on does not appear	in this box, please go t	to the end of the form	to view it in its
QPSK, Data	ı					
Remote 4	14000 14500	T	Horizontal and Vertical	50KG7D	36.8	26.2
QPSK, Data	ι					
Remote 4	14000 14500	Т	Horizontal and Vertical	100KG7D	39.8	26.2
E50. Modulation entirety.) QPSK, Data		lhe complete descripti	on does not appear	in this box, please go t	to the end of the form	to view it in its

Remote 4	14000 14500	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.)	and Services (If t	he complete descript	ion does not appear in	this box, please go t	o the end of the form	to view it in its
QPSK, Data						
Remote 4	14000 14500	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modulation entirety.) QPSK, Data		he complete descript	ion does not appear in	this box, please go t	o the end of the form	to view it in its

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	Station Azimuth Angle	Antenna Elevation Angle Western	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 4	Geostationary	11700 14500	43.0/143.0	0.0	8.0	0.0	8.0	-10.8

REMOTE CONTROL POINT LOCATION

E61. Call Sign E980235 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.		E66. Phone Number (337) 761–2000		
E62. Street Address 1710 W. Willow Street				
E63. City Scott	E68. County Lafayette		E67/68. State/Country LA/ USA	E64. Zip Code 70583

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 5	E5. Call Sign:	E980235	
E2: Contact Name	Peter C. Malcolm	E6. Phone Number:	(337) 761–3574	
E3. Street:	1710 W. Willow St.	E7. City:	Scott	
		E8. County:	Lafayette	
E4. State	LA	E9. Zip Code	70583	
E10. Area of Operat	cion:	CONUS, Gulf of Mo	exico	
E11. Latitude:	0 °0 '0.0 "			
E12. Longitude:	0 °0 '0.0 "			
E13. Lat/Lon Coord	linates are:	○ NAD-27	◎ 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.	● 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?	O Yes	O No	● N/A

E17. Is the facility operated by remote control? If YES, provide the location.	ntion and telephone number of the control	Yes No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes O No
E19. Is coordination with another country required? If YES, attach the r coordination contours as	name of the country(ies) and plot of	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 FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	Yes No
POINTS OF COMMUNICATION		
Satellite Name: OTHER If you selected OTHER, please enter the	following:	
E21. Common Name: NSS-7	E22. ITU Name: NSS-16	
E23. Orbit Location: 22W	E24. Country: Netherlands	
Satellite Name: OTHER If you selected OTHER, please enter the	following:	
E21. Common Name: AMC-4	E22. ITU Name: AMC-4	
E23. Orbit Location: 101W	E24. Country: USA	
POINTS OF COMMUNICATION (Destination Points)		
E25. Site Identifier: Remote 5		

E26. Common Name:	E27. Country: USA
	· · · · · · · · · · · · · · · · · · ·
E25. Site Identifier: Remote 5	
E26. Common Name: AMC-4	E27. Country: USA
E25. Site Identifier: Remote 5	
E26. Common Name: NSS-7	E27. Country: USA
ΔΝΤΕΝΝΔ	

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
Remote 5	Remote 5	25	Prodelin	1123	1.2	41.7 dBi at 11.950
						43.2 dBi at 14.250

Id	Diameter		, ,	Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 5	0.0/0.0	0.0	0.0	0.0	4.0	0.0	49.2

FREQUENCY

	E28. Antenna Id	E43/44.	E45.	E46. Antenna	E47. Emission	E48. Maximum	E49. Maximum
1		Frequency Bands	T/R Mode	Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
1		(MHz)		L , R)		(dBW)	Carrier
1							(dBW/4kHz)

Remote 5	11700 12200	R	Horizontal and Vertical	50KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	he complete descripti	ion does not appear	in this box, please go	to the end of the fo	rm to view it in its
QPSK, Data						
Remote 5	11700 12200	R	Horizontal and Vertical	100KG7D	0.0	0.0
QPSK, Data						
Remote 5	11700 12200	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	he complete descripti	ion does not appear	in this box, please go	to the end of the fo	rm to view it in its
QPSK, Data						

Remote 5	11700 12200	R	Horizontal and Vertical	400KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descripti	on does not appear	in this box, please go	to the end of the form	to view it in its
QPSK, Data						
Remote 5	14000 14500	Т	Horizontal and Vertical	50KG7D	36.8	26.2
QPSK, Data						
Remote 5	14000 14500	Т	Horizontal and Vertical	100KG7D	39.8	26.2
E50. Modulation entirety.) QPSK, Data		he complete descripti	on does not appear	in this box, please go	to the end of the form	n to view it in its

Remote 5	14000 14500	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.)	and Services (If t	he complete descript	tion does not appear in	this box, please go t	o the end of the form	to view it in its
QPSK, Data						
Remote 5	14000 14500	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modulation entirety.) QPSK, data		he complete descript	tion does not appear in	this box, please go t	o the end of the form	to view it in its

FREQUENCY COORDINATION

E28. Antenna Id		E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle		Station Azimuth Angle	Elevation Angle Western	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 5	Geostationary	11700 14500	43.0/143.0	0.0	8.0	0.0	8.0	-10.8

REMOTE CONTROL POINT LOCATION

E61. Call Sign E980235 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	E66. Phone Number (337) 761–2000			
E62. Street Address 1710 W. Willow Street				
E63. City Scott	E68. County Lafayette		E67/68. State/Country LA/ USA	E64. Zip Code 70583

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 6	E5. Call Sign:	E980235		
E2: Contact Name	Peter C. Malcolm	E6. Phone Number:	(337) 761–3574		
E3. Street:	1710 W. Willow St.	E7. City:	Scott		
		E8. County:	Lafayette		
E4. State	LA	E9. Zip Code	70583		
E10. Area of Operat	cion:	CONUS, Gulf of Mo	exico		
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	linates are:	O NAD-27	○ 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?	O Yes	O No	⊗ N/A

E17. Is the facility operated by remote control? If YES, provide the locar point.	tion and telephone number of the control	● Yes O N	10
E18. Is frequency coordination required? If YES, attach a frequency coo	ordination report as	O Yes O N	1 0
E19. Is coordination with another country required? If YES, attach the n coordination contours as	ame of the country(ies) and plot of	• Yes • N	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 FAPPLICATION.	a's study regarding the potential hazard of	O Yes O N	10
POINTS OF COMMUNICATION			
Satellite Name: OTHER If you selected OTHER, please enter the f	following:		
E21. Common Name: NSS-7	E22. ITU Name: NSS-16		
E23. Orbit Location: 22W	E24. Country: Netherlands		
Satellite Name: OTHER If you selected OTHER, please enter the f	Following:		
E21. Common Name: AMC-4	E22. ITU Name: AMC-4		
E23. Orbit Location: 101W	E24. Country: USA		
POINTS OF COMMUNICATION (Destination Points)	ı		
E25. Site Identifier: Remote 6			

E26. Common Name:	E27. Country:	USA
E25. Site Identifier: Remote 6		
E26. Common Name: AMC-4	E27. Country:	USA
	•	
E25. Site Identifier: Remote 6		
E26. Common Name: NSS-7	E27. Country:	USA
ANTENNA		

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer			E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
Remote 6	Remote 6	25	Seatel	4996T	1.2	41.7 dBi at 11.950
						43.3 dBi at 14.250

E28. Antenna Id	1		` ′	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 6	0.0/0.0	0.0	0.0	0.0	4.0	0.0	49.3

FREQUENCY

E43/44.					E49. Maximum
Frequency Bands	T/R Mode	Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
(MHz)		L,R)		(dBW)	Carrier
					(dBW/4kHz)

Remote 6	11700 12200	R	Horizontal and Vertical	50KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descrip	otion does not appear	in this box, please	go to the end of t	he form to view it in its
QPSK, Data						
Remote 6	11700 12200	R	Horizontal and Vertical	100KG7D	0.0	0.0
QPSK, Data						
Remote 6	11700 12200	R	Horizontal and Vertical	400KG7D	0.0	0.0
E50. Modulation entirety.) QPSK, Data		ne complete descrip	otion does not appear	in this box, please	go to the end of t	he form to view it in its

11700 14500	R	Horizontal and Vertical	200KG7D	0.0	0.0
and Services (If	f the complete de	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
1					
14000 14500	Т	Horizontal and Vertical	50KG7D	36.8	26.2
à					
14000 14500	Т	Horizontal and Vertical	100KG7D	39.8	26.2
a and Services (If	the complete de	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
	14000 14000 14500 14000 14500 14000 14500 1and Services (If	14000 T and Services (If the complete de la	14000 T Horizontal and Vertical 14000 T Horizontal and Vertical	14500 Vertical	14500 Vertical

Remote 6	14000 14500	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.)	and Services (If t	he complete descripti	on does not appear in	this box, please go to	o the end of the form	to view it in its
QPSK, Data						
Remote 6	14000 14500	Т	Horizontal and Vertical	400KG7D	45.8	26.2
E50. Modulation entirety.) QPSK, Data		he complete descripti	on does not appear in	this box, please go to	o the end of the form	to view it in its

FREQUENCY COORDINATION

E28. Antenna Id		E52/53. Frequency Limits(MHz)	Range of Satellite Arc Eastern/West	Station Azimuth	Antenna Elevation Angle	Station Azimuth Angle	Antenna Elevation Angle Western	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 6	Geostationary	11700 14500	43.0/143.0	0.0	8.0	0.0	8.0	-10.8

REMOTE CONTROL POINT LOCATION

E61. Call Sign E980235 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	E66. Phone Number 337–761–2000			
E62. Street Address 1710 W. Willow Street				
E63. City Scott	E68. County Lafayette		E67/68. State/Country LA/ USA	E64. Zip Code 70583

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

Location of Earth Station Site E1: Site Identifier: Remote 7 E5. Call Sign: E980235 E2: Contact Name Peter C. Malcolm E6. Phone (337) 761-3574 Number: E3. Street: 1710 W. Willow St. E7. City: Scott E8. County: Lafayette E9. Zip Code E4. State LA 70583 E10. Area of Operation: CONUS, Gulf of Mexico E11. Latitude: 0 °0 '0.0 " 0 °0 '0.0 " E12. Longitude: E13. Lat/Lon Coordinates are: 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	⊚ 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 local point.	tion and telephone number of the control	● Yes O No
E18. Is frequency coordination required? If YES, attach a frequency coo	rdination report as	O Yes O No
E19. Is coordination with another country required? If YES, attach the nation contours as	ame of the country(ies) and plot of	O Yes O 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 FAPPLICATION.	a's study regarding the potential hazard of	Yes No
POINTS OF COMMUNICATION		-
Satellite Name: OTHER If you selected OTHER, please enter the f	following:	
E21. Common Name: NSS-7	E22. ITU Name: NSS-16	
E23. Orbit Location: 22W	E24. Country: Netherlands	
Satellite Name: OTHER If you selected OTHER, please enter the f	Following:	
E21. Common Name: AMC-4	E22. ITU Name: AMC-4	
E23. Orbit Location: 101W	E24. Country: USA	
POINTS OF COMMUNICATION (Destination Points)	1	
E25. Site Identifier: Remote 7		

E26. Common Name:	E27. Country: USA
E25. Site Identifier: Remote 7	
E26. Common Name: AMC-4	E27. Country: USA
	•
E25. Site Identifier: Remote 7	
E26. Common Name: NSS-7	E27. Country: USA
ΔΝΤΕΝΝΔ	<u> </u>

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer			E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
Remote 7	Remote 7	500	Seatel	4003	1.0	39.6 dBi at 11.950
						41.3 dBi at 14.250

Id	Diameter		,	Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 7	0.0/0.0	0.0	0.0	0.0	4.0	0.0	50.2

FREQUENCY

E43/44.					E49. Maximum
Frequency Bands	T/R Mode	Polarization(H,V,	Designator	EIRP per Carrier	ERIP Density per
(MHz)		L,R)		(dBW)	Carrier
					(dBW/4kHz)

Remote 7	11700 12200	R	Horizontal and Vertical	50KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	he complete descripti	ion does not appear	in this box, please	go to the end of t	the form to view it in its
QPSK, Data						
Remote 7	11700 12200	R	Horizontal and Vertical	100KG7D	0.0	0.0
QPSK, Data	,					
Remote 7	11700 12200	R	Horizontal and Vertical	200KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	he complete descripti	ion does not appear	in this box, please	go to the end of t	the form to view it in its
QPSK, Data						

Remote 7	11700 12200	R	Horizontal and Vertical	400KG7D	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please §	go to the end of the	he form to view it in its
QPSK, Data						
Remote 7	14000 14500	Т	Horizontal and Vertical	50KG7D	36.8	26.2
QPSK, Data						
Remote 7	14000 14500	Т	Horizontal and Vertical	200KG7D	42.8	26.2
E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please §	go to the end of the	he form to view it in its
QPSK, Data						

Remote 7	14000 14500	Т	Horizontal and Vertical	400KG7D	45.8	26.2
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
QPSK, Data						
Remote 7	140000 14500	Т	Horizontal and Vertical	100KG7D	39.8	26.2
E50. Modulation entirety.) QPSK, Data		he complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its

FREQUENCY COORDINATION

E28. Antenna Id		E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	Station Azimuth Angle		Station Azimuth Angle	Elevation Angle Western	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote 7	Geostationary	11700 14500	43.0/143.0	0.0	8.0	0.0	8.0	-23.8

REMOTE CONTROL POINT LOCATION

E61. Call Sign E980235 NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	_	E66. Phone Number 337–761–2000		
E62. Street Address 1710 W. Willow St.				
E63. City Scott	E68. County Lafayette		E67/68. State/Country LA/ USA	E64. Zip Code 70583

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