APPLICATION FOR EARTH STATION AUTHORIZATIONS 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:

CSAT Network for Oil Platforms in the Gulf of Mexico

Legal Name of A _l	pplicant		
Name:	Sola Communications Inc	Phone Number:	337-232-7039
DBA Name:		Fax Number:	337–235–2775
Street:	124 Toledo Drive	E–Mail:	pmeche@solacomm.com
City:	Lafayette	State:	LA
Country:	USA	Zipcode:	70506 –
Attention:	Pat Meche		

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

Name: Pat Meche Phone Number: 337–232–7039

Company: Sola Communications Inc. **Fax Number:** 337–235–2775

Street: 124 Toledo Drive E-Mail: pmeche@solacomm.com

City: Lafayette State: LA

Country: USA Zipcode: 70506–

Contact Systems Engineer Relationship: Engineer

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.

a.

a1. Earth Station

(N/A) a2. Space Station

b1. Application for License of New Station

6 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

(N/A) b5. Assignment of License or Registration

(N/A) 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

• b10. Other (Please specify)

17c. Is a fee submitted with this applied. If Yes, complete and attach FCC For		on (see 47 C FR Section 1 1114)			
 If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114). Governmental Entity Noncommercial educational licensee 					
Other(please explain):					
17d.					
Fee Classification BGV – Fixed Satellit	e VSAT System				
18. If this filing is in reference to an existing station, enter: (a) Call sign of station:	19. If this filing is an amendment to a pending (a) Date pending application was filed:	ng application enter: (b) File number of pending application:			
Not Applicable	Not Applicable	Not Applicable			
TYPE OF SERVICE					
20. NATURE OF SERVICE: This filing i	s for an authorization to provide or use the follow	wing 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)	g. Other (please specify)				

21. STATUS: Choose the button next to the applicable status. Choose	22. If earth station applicant, check all that apply.
only one.	■ Using U.S. licensed satellites
Common Carrier Non–Common Carrier	☐ Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER 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:	
TYPE OF STATION	
25. CLASS OF STATION: Choose the button next to the class of station	that applies. Choose only one.
a. Fixed Earth Station	
b. Temporary–Fixed Earth Station	
c. 12/14 GHz VSAT Network	
d. Mobile Earth Station	
(N/A) e. Geostationary Space Station (N/A) f. Non–Geostationary Space Station	
g. Other (please specify)4/6 CSAT Network	
26. TYPE OF EARTH STATION FACILITY: Choose only one. Transmit/Receive Transmit-Only Receive-Only N/A	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.) Not Applicable ENVIRONMENTAL POLICY 28. Would a Commission grant of any proposal in this application or amendment have a significant Yes No	
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.	
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.	
29. Is the applicant a foreign government or the representative of any foreign government? O Yes O No O N	'A
30. Is the applicant an alien or the representative of an alien? Yes No No	/A

31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No O	, N/A
32. Is the applicant a corporation of which any officer or director is an alien or 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?	e o Yes o No o	, N/A
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?	O Yes No	, 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.	● Yes O	No
	Exhibit F	

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	⊚ 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.	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 attemptiing 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.	O Yes	⊚ No

40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.		
41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti–Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.	Yes	O No
42a. Does the applicant intend to use a non–U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.	○ Yes	⊚ No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, w coordinated or is in the process of coordinating the space station?	hat administr	ation 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.)

Sola Communications desires to license a C-SAT Network, to provide digital voice, data and fax services to oil platforms located throughout the Gulf of Mexico.

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.)

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing Pat Meche		46. Title of Person Sig Systems Engineer	çning	
Attachment 1: Attachment 2: Attachment 3:				
(U.S. Code, Title	18, Section 1001), AND/OI	R REVOCATION OF ANY	BY FINE AND / OR IMPRISONMENT STATION AUTHORIZATION 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 Station Site

E1: Site Identifier: Hub Site E5. Call Sign:

E2: Contact Name Guy Brewer E6. Phone 281–261–0708

Number:

E3. Street: 1920 Scanlin Road E7. City: Missouri City

E8. County: Fort Bend

E4. State TX E9. Zip Code 77459

E10. Area of Operation: Gulf of Mexico

E11. Latitude: 29 °36 '24.8 "N

E12. Longitude: 95 °31 '53.8 "W

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

E14. Site Elevation (AMSL): 23.8 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	٥	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	● Yes	٥	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: AMC-2	E22. ITU Name:	
E23. Orbit Location: 85.0 W.L.	E24. Country:	
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 GainTransmint and/or Recieve (dBi atGHz)
Hub Site	Hub	1	Andrew Corporation	ESA45	4.5	44.0 dBi at 3.950
						46.7 dBi at 6.175

E28. Antenna Id	Diameter	E35. Above Ground Level (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Hub	/	5.0	28.8	0.0	20.0	0.0	59.7

FREQUENCY

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

Hub	4015	4035	R	Horizontal and Vertical	768KG7W	0.0	0.0
E50. Descriview it in its e	ription of Modul entirety.)	ation and S	Services (If	the complete description d	oes not appear in t	his box, please go	to the end of the form to
Digita	al Voice, Da	ata, and	l Fax				
Hub	4015	4035	R	Horizontal and Vertical	56K0G7W -	0.0	0.0
Digita	al Voice, Da	ata, and	l Fax				
Hub	6240	6260	Т	Horizontal and Vertical	768KG7W	59.7	36.9
view it in its e	ription of Modul entirety.)			the complete description d	oes not appear in t	his box, please go	to the end of the form to

Hub	6240	6260	Т	Horizontal and Vertical	56K0G7W -	55.5	44.0			
E50. Description of 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 Vo	ice, Da	ta, and	Fax							
L										

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	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		4015 4035	85.0/ 85.0	159.4	53.6	159.4	53.6	0.0
		6240 6260	85.0/ 85.0	159.4	53.6	159.4	53.6	-12.7

REMOTE CONTROL POINT LOCATION

REMOTE CONTROL FORM LOCATION	
E61. Call Sign	E65. Phone Number
	281–261–0708
NOTE: Please enter the callsign of the controlling station, not the	
callsign for which this application is being filed.	
E62. Street Address	
10404 Cash Road	
Building C	

E63. City	E67. County	E64/68.	E66. Zip Code
Stafford	Fort Bend	State/Country	77477
		TX/ 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 1 E5. Call Sign:

E2: Contact Name Pat Meche E6. Phone 337–232–7039

Number:

E3. Street: Various Locations E7. City:

Throughout

the Gulf of Mexico E8. County:

E4. State E9. Zip Code

E10. Area of Operation: 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 Exhibit E a technical analysis showing compliance with two–degree spacing policy.	O 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	•	No
E10 I. f	ı		
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	• Yes	٥	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: AMC-2	E22. ITU Name:
E23. Orbit Location: 85 W.L.	E24. Country:
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 GainTransmint and/or Recieve (dBi atGHz)
Remote 1	Remote	11	Channel Master	2.4M	2.4	38.0 dBi at 4.025
						42.0 dBi at 6.250

E28. Antenna Id	Diameter	E35. Above Ground Level (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange 	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
Remote	/	0.0	0.0	0.0	10.0	0.0	52.0

FREQUENCY

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

Remote	4015	4035	R	Horizontal and Vertical	768KG7W	0.0	0.0
E50. Description view it in its entiret		ation and S	Services (If t	the complete description d	oes not appear in the	his box, please go	to the end of the form to
Digital V	oice, Da	ata, and	l Fax				
Remote	4015	4035	R	Horizontal and Vertical	56K0G7W -	0.0	0.0
Digital V	oice, Da	ata, and	l Fax				
Remote	6240	6260	Т	Horizontal and Vertical	768KG7W	52.0	29.2
E50. Description view it in its entiret		ation and S	Services (If t	the complete description d	oes not appear in the	his box, please go	o to the end of the form to
Digital V	oice, Da	ata, and	l Fax				

Remote	6240	6260	Τ	Horizontal and Vertical	56K0G7W -	41.5	30.0		
E50. Description of 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 Vo	ice, Dat	ca, and	. Fax						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
Remote		4015 4035	85.0/85.0	0.0	5.0	0.0	5.0	0.0
		6240 6260	85.0/ 85.0	0.0	5.0	0.0	5.0	-22.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E65. 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	E67. County	E64/68.	E66. Zip Code
		State/Country	_
		/	

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