Date & Time Filed: Aug 11 2003 4:55:32:536PM File Number: SES-AMD-INTR2003-01499

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM	FCC Use Only
FCC 312 MAIN FORM FOR OFFICIAL USE ONLY	

## APPLICANT INFORMATION

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

Amendment to C-SAT Network Application for Oil Platforms in the Gulf of Mexico

Legal Name of A <sub>1</sub>	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:** 337-232-0739

Sola Communications Inc Fax Number: Company: 337-235-2775

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

City: Lafayette LA **State:** 

USA Zipcode: **Country:** 70506 -

**Relationship:** Contact Systems Engineer Engineer

Title:

#### **CLASSIFICATION OF FILING**

17. Choose the button next to the classification that applies to this filing for (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)

both questions a. and b. Choose only one for 17a and only one for 17b.

a1. Earth Station

a2. Space Station

17c. Is a fee submitted with this application If Yes, complete and attach FCC Form	on? 159. If No, indicate reason for fee exemption (se	te 47 C.F.R.Section 1.1114).						
O Governmental Entity O Noncommercial educational licensee								
Other(please explain):	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 apmodification please enter only the file number:	oplication enter both fields, if this filing is a						
(a) Call sign of station:	(a) Date pending application was filed:	(b) File number:						
E030114	05/21/2003	SESLIC2003051500670						

## TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide of	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)	
	2. 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 ser facilities:	vice, see instructions regarding Sec. 214 filings. Choose one. Are these
Connected to a Public Switched Network  Not connected to a Public Switched Network	blic Switched Network N/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all app	licable 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	l frequencies in an attachment)

## TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.
a. Fixed Earth Station
<b>b.</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) 4/6 C–SAT Network
26. 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 assigned frequency(ies)
h — authorization to add frequency
i — authorization to add Points of Communication (satellites & to countries)
j — authorization to change Points of Communication (satellites & touther)
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**

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	O Yes O No	
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.	Exhibit B	

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?	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 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?	0	Yes	•	No	0	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 Ye	s 🛛	No	<b>O</b> 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	C	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.	•	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.	• Yes	<b>⊚</b> 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	• Yes	No
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	• Yes	<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.		

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	<b>⊚</b> 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	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 Inc., desites to amend their C-Sat Network application to add the AMC-3 satellite (87 degrees W.L.) to the license and add one additional C-band remote site to their network. All operational parameters remain the same as filed.

#### **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	e, complete and correct to the best of his or he	er knowledge and belief	, and are made in good fa	aith.		
44.	Applicant is a (an): (Choose the button next t	o 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 Pat Meche		46. Title of Person Sign Systems Engineer	ning	]	
_	Please supply any need attachments. ttachment 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	ation Site							
E1: Site Identifier:	Hub Site	E5. Call Sign:						
E2: Contact Name	Guy Brewer	E6. Phone Number:	281-261-0708					
E3. Street:	1920 Scanlin Road	E7. City:	Missouri City					
		E8. County:	Fort Bend					
E4. State	TX	E9. Zip Code	77459					
E10. Area of Operat	tion:	Gulf of Mexico Area						
E11. Latitude:	29 °36 '24.8 "N							
E12. Longitude:	95 °31 '53.8 "W							
E13. Lat/Lon Coordinates are:		<b>O</b> NAD-27	● NAD-83	O N/A				
E14. Site Elevation (AMSL):		23.8 meters						

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 Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	posed antenna(s) comply with the antenna	O Yes	O No	● N/A
E17. Is the facility operated by remote control? If YES, provide the loca point.	tion and telephone number of the control	• Yes	٥	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as Exhibit A	Yes	0	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 APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION		!		
Satellite Name: OTHER If you selected OTHER, please enter the	following:			
E21. Common Name: AMC-3	E22. ITU Name: USASAT-24T			
23. Orbit Location: 87.0 W.L. E24. Country: USA				
Satellite Name: OTHER If you selected OTHER, please enter the	following:			

E21. Common Name: AMC-2	E22. ITU Name: USASAT-24U
E23. Orbit Location: 85.0 W.L.	E24. Country: USA

## POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

## ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)
Hub Site	Hub	1	Andrew Corporation	ESA45	4.5	44 dBi at 3
						46 dBi at 6
	Remote 1	12	Channel Master	2.4M	2.4	38 dBi at 4
						42 dBi at 6

Id	Diameter		` ′	Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Hub	/	5.0	28.8	0.0	20.0	0.0	59.7
Remote 1	/	0.0	0.0	0.0	10.0	0.0	52.0

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Hub	4015.0 4035.0	R	Horizontal and Vertical	768KG7W	0.0	0.0
E50. Modulation entirety.)  Digital Vo	n and Services (If the poice, Data and		tion does not appear ir	this box, please go	to the end of the form	to view it in its
Hub	4015.0 4035.0	R	Horizontal and Vertical	56K0G7W -	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descrip	tion does not appear ir	i this box, please go	to the end of the form	to view it in its
Digital Vo	oice, Data, and	l Fax				
Hub	6240.0 6260.0	Т	Horizontal and Vertical	768KG7W	59.7	36.9

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Digital Voice, Data, and Fax

Hub	6240.0	Т	Horizontal and	56K0G7W -	55.5	44.0
	6260.0		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.)

Digital Voice, Data, and Fax

## 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		4015.0 4035.0	85.0/87.0	159.4	53.6	163.1	54.2	0.0
		6240.0 6260.0	85.0/87.0	159.4	53.6	163.1	54.2	-12.7

REMOTE CONTROL POINT LOCATION

E61. Call Sign  NOTE: Please enter the callsign of the contro callsign for which this application is being filed.	E66. Phone Number 281–261–0708			
E62. Street Address 10404 Cash Road Building C				
E63. City Stafford	E68. County Fort Bend		E67/68. State/Country TX/ USA	E64. Zip Code 77477

# 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 1	E5. Call Sign:		
E2: Contact Name	Pat Meche	E6. Phone Number:	337–232–7039	
E3. Street:	Various Locations Throughout	E7. City:		
	the Gulf of Mexico	E8. County:		
E4. State		E9. Zip Code		
E10. Area of Operat	ion:	Gulf of Mexico		
E11. Latitude:	0 °0 '0.0 "N			
E12. Longitude:	0 °0 '0.0 "W			
E13. Lat/Lon Coordinates 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.	O Yes	<b>⊘</b> 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 loca point.	tion and telephone number of the control	O Yes ⊗ No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as Exhibit C	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	• 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? Exhibit D FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL I APPLICATION.	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: AMC-2	E22. ITU Name: USASAT-24U	
E23. Orbit Location: 85.0 W.L.		
Satellite Name: OTHER If you selected OTHER, please enter the f	following:	
E21. Common Name: AMC-3		
E23. Orbit Location: 87.0 W.L.		
POINTS OF COMMUNICATION (Destination Points)	1	
E25. Site Identifier:		

E26. Common Name:	E27. Country:
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## 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)
Remote 1	Remote 1	12	Channel Master	2.4M	2.4	38 dBi at 4
						42 dBi at 6

Id	Diameter		, ,	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
Remote 1	/	0.0	0.0	0.0	10.0	0.0	52.0

## 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 1	4015.0 4035.0	R	Horizontal and Vertical	768KG7W	0.0	0.0

E50. Modulation entirety.)	n and Services (If the	ne complete description	on does not appear ir	n this box, please go t	o the end of the form	to view it in its
Digital Vo	oice, Data, and	l Fax				
Remote 1	4015.0 4035.0	R	Horizontal and Vertical	56K0G7W -	0.0	0.0
E50. Modulation entirety.)  Digital Vo	pice, Data, and		on does not appear ir	i this box, please go t	o the end of the form	to view it in its
Remote 1	6240.0 6260.0	Т	Horizontal and Vertical	768KG7W	52.0	29.2
E50. Modulation entirety.)  Digital Vo	n and Services (If the price, Data, and		on does not appear ir	n this box, please go t	o the end of the form	to view it in its
Remote 1	6240.0 6260.0	Т	Horizontal and Vertical	56K0G7W -	41.5	30.0

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its								
entirety.)								
Digital Voice, Data	, and Fax							
EDECLIENCY COODDINATIO	NAT							

#### 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 1		4015.0 4035.0	85.0/87.0	0.0	5.0	0.0	5.0	0.0
		6240.0 6260.0	85.0/87.0	0.0	5.0	0.0	5.0	-22.0

## REMOTE CONTROL POINT LOCATION

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

#### FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD–PERM, Paperwork Reduction Project (3060–0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104–13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.