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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:

Naalehu, Hawaii New Earth Station (SPS3)

1–8. Legal Name	of Applicant
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Name: GUSA Licensee LLC Phone Number: 985–335–1503

DBA Fax Number: 985–335–1703

Name:

Street: 1351 Holiday Square Blvd. E–Mail: Barbee.Ponder@Globalstar.com

City: Covington State: LA

Country: USA **Zipcode:** 70433 -

Attention: Mr L. Barbee Ponder IV

9–16. Name of Contact Representative

Name: Wen Doong Phone Number: 985–335–1675

Company: Globalstar, Inc. Fax Number:

Street: 1351 Holiday Square Boulevard E–Mail: Wen.Doong@Globalstar.com

City: Covington State: LA

Country: USA Zipcode: 70433-

Attention: Relationship: Engineer

CLASSIFICATION OF FILING

17. Choose the button next to the	b.
classification that applies to this filing for	b1. Application for License of New Station
both questions a. and b. Choose only one	b2. Application for Registration of New Domestic Receive–Only Station
for 17a and only one for 17b.	
	(N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration
a.	(N/A) b5. Assignment of License or Registration
a1. Earth Station	(N/A) b6. Transfer of Control of License or Registration
(N/A) a2. Space Station	(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 h 10. Other (Please specify)
	o b10. Other (Please specify)
	▶ b11. Application for Earth Station to Access a Non–U.S.satellite Not Currently Authorized to
	Provide the Proposed Service in the Proposed Frequencies in the United States.
	(N/A) b13. Amendment to a Pending Database Entry Application
	(N/A) b14. Modifiction of Database Entry
17c. Is a fee submitted with this applicati	on?
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 Noncomme	ercial educational licensee
Other(please explain):	
17d.	
Fee Classification BAX – Fixed Satellite T	ransmit/Receive Earth
Station	

18. If this filing is in reference to an existing station, enter: (a) Call sign of station: Not Applicable	19. If this filing is an amendment to a pending application was filed: Not Applicable	oplication enter: (b) File number of pending application: Not Applicable

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)	
only one. • Common Carrier • Non–Common Carrier	22. If earth station applicant, check all that apply. Using U.S. licensed satellites Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER ser facilities: Connected to a Public Switched Network Not connected to	rvice, see instructions regarding Sec. 214 filings. Choose one. Are these 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: 5091 Frequency Upper: 7055
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)
26. TYPE OF EARTH STATION FACILITY: Choose only one.
Transmit/Receive Transmit—Only Receive—Only N/A
PURPOSE OF MODIFICATION
FURFOSE 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 environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.	Yes No Rad. Hazard Analysis
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.	utical en route or
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes O No
30. Is the applicant an alien or the representative of an alien?	↑ Yes ♠ No ↑ N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No 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?	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 ● N	To 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.		
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.	○ 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 attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	O Yes	⊚ No
39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	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 Non–US Licer	O 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? France	d, what administr	ation has

43. Description. (Summarize the nature of the application and the services to be provided). not appear in this box, please go to the end of the form to view it in its entirety.)

(If the complete description does

GUSA Licensee LLC ('Globalstar') requests permanent authority for the operation of its new, second-generation feeder link earth station antenna in Naalehu, Hawaii. Grant of this application will generate substantial operational benefits for Globalstar's MSS network and its subscribers, including expanded MSS signal coverage, increased service

Public interest

43a. Geographic Service Rule Certification By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.	O A
By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.	● B
By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.	o c

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

Individual				
 Unincorporated Association 				
Partnership				
Corporation				
Governmental Entity				
Other (please specify)				
LLC				
45. Name of Person Signing		46. Title of Pers		
45. Name of Person Signing L.Barbee Ponder IV			on Signing el and VP − Regulatory Affa	irs
				irs
L.Barbee Ponder IV	nts.			irs
	ats. Attachment 2:			irs
L.Barbee Ponder IV 47. Please supply any need attachmen			el and VP − Regulatory Affa	irs
L.Barbee Ponder IV 47. Please supply any need attachmen			el and VP − Regulatory Affa	irs
L.Barbee Ponder IV 47. Please supply any need attachmen Attachment 1:	Attachment 2:	General Counse	el and VP − Regulatory Affa	

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: SPS3 E5. Call Sign:

E2: Contact Name Travis Bennett E6. Phone 985–335–1585

Number:

E3. Street: 93–1704 S Point E7. City: Naalehu

Rd

E8. County:

E4. State HI E9. Zip Code 96772

E10. Area of Operation: Naalehu, Hawaii

E11. Latitude: 19 °0 '51.99 "N

E12. Longitude: 155 °39 '47.0 "W

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

E14. Site Elevation (AMSL): 356.0 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 asE15 Response a technical analysis showing compliance with two–degree spacing policy.	O Yes	s 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?	● Yes	s O	No	O N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	⊚ Ye	∋s	0	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	● Ye	∋s	0	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Ye	es	•	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 Ye	es	•	No
POINTS OF COMMUNICATION				
Satellite Name:GLOBALSTAR (S2115) HIBLEO-4 NGSO	ing:			

E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:GLOBALSTAR 2.0 HIBLEO-X NGSO If yo	ou 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:	
E26. Common Name:	E27. Country:

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
SPS3	SPS3	1	Cobham SATCOM	SeaTel Tracker T6000	6.0	47.5 dBi at 5.150
						51.2 dBi at 6.975

Id	Diameter	E35. Above Ground Level (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange (Watts)	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
SPS3	0.0/0.0	8.69	373.69	0.0	295.0	0.0	72.2

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)
SPS3	6900 7055	R	Left and Right Circular	1M23G7W	0.0	0.0
E50. Modulation entirety.)	,	1	on does not appear in	,		
SPS3	6900 7055	R	Left and Right Circular	2M46G7W	0.0	0.0
E50. Modulation entirety.)	,	ne complete descripti	on does not appear in	this box, please go to	o the end of the form	to view it in its
SPS3	6875.9 6879.1	R	Left Hand Circular	70K0G7D	0.0	0.0

E50. Modulation	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
entirety.)							
Telemetry	carrier						
SPS3	6900 7	055		Left and Right Circular	NON	0.0	0.0
E50. Modulation entirety.) Unmodulate				on does not appear in	uns oox, piedse go u	o the end of the form	to view it in its
SPS3	6875.95 6877.15		R	Left Hand Circular	7K00G1D	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
Telemetry	carrier						
SPS3	6900 7	055	R	Left and Right Circular	1M23G2W	0.0	0.0

E50. Modulation entirety.)	n and Service	es (If t	he complete descrip	tion does not appear	in this box, please	go to the end of t	the form to view it in it	ts
CDMA/for	single-ca	arrier	AMSS					
SPS3	6900	7055	R	Left and Right Circular	2M46G2W	0.0	0.0	
CDMA/for	single-ca	arrier	AMSS					
SPS3	5096	5250	Т	Left and Right Circular	1M23G7W	55.0	30.1	
E50. Modulation entirety.)			he complete descrip	otion does not appear	in this box, please	go to the end of t	the form to view it in it	:s
SPS3	5096	5250	Т	Left and Right Circular	2M46G7W	55.0	27.1	

E50. Modulation entirety.)	and Services (I	If the complete descript	ion does not appear in	this box, please go t	o the end of the form	to view it in its
CDMA/voice	and data					
SPS3	5096 525	0 T	Left and Right Circular	NON	59.0	59.0
Unmodulate	d CW for tes	sting				
SPS3	5091.38 5091.62	Т	Left Hand Circular	40K0G2D	68.0	58.0
E50. Modulation entirety.) Telecomman		If the complete descript	ion does not appear in	this box, please go t	o the end of the form	to view it in its
SPS3	6900 705.	5 R	Left and Right Circular	1M23XXX	0.0	0.0

E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its	
	e modulate	ed ca	rrier for test	ing				
SPS3	6900	7055	R	Linear and Circular	230KG7D	0.0	0.0	
Burst mode	packet da	ata w	ith BPSK modul	ation				
SPS3	6900	7055	R	Linear and Circular	280KG7D	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.) Burst mode packet data with BPSK modulation								
SPS3	6900	7055	R	Left and Right Circular	200KG7D	0.0	0.0	

E50. Modulation entirety.)	and Service	es (If th	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its		
Burst mode	e packet	data w	rith BPSK modul	ation					
SPS3	5096	5250	Т	Left and Right Circular	1M23G2W	55.0	30.1		
T	CDMA/for single-carrier AMSS								
SPS3	5096	5250	Т	Left and Right Circular	2M46G2W	55.0	27.1		
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.) CDMA/for single-carrier AMSS									
SPS3	5091	5092	Т	Left Hand Circular	76K0F2D	68.0	55.2		

E50. Modulation entirety.)	and Service	es (If th	ne complete description	on does not appear in	this box, please go	to the end of the form	n to view it in its		
FM subcarr	rier on t	celecom	mand carrier						
SPS3	6900	7055	R	Left and Right Circular	2M50G2D	0.0	0.0		
entirety.)	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.) Direct sequence CDMA for single-carrier telemetry data								
SPS3	6900	7055	R	Left and Right Circular	2M50G7D	0.0	0.0		
E50. Modulation entirety.)						to the end of the form	n to view it in its		
Direct sequence CDMA for single-carrier telemetry data									
SPS3	5096	5250	Т	Left and Right Circular	1M23XXX	59.0	34.1		

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.)

White noise modulated carrier for testing

SPS3	5096	5250	Т	Left and Right	4M50G7D	72.2	41.5		
				Circular					

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.)

Burst mode packet data with π/2-BPSK modulation

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W 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)
SPS3	Non– Geostationary	6875 7055	0.0/ 0.0	0.0	10.0	360.0	10.0	0.0

	Non– Geostationary	5091 5250	0.0/ 0.0	0.0		10.0	360.0	10.0	10.29
REMOTE CO	<u> </u> NTROL POIN'	LOCATION							
E61. Call Sign N/A NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed. E65. Phone Number 985–335–1500									
E62. Street Address 1351 Holiday Square Blvd									
E63. City Covington	E67. County St. Tammany Par						E64/68. State/Country LA/ USA	7043	. Zip Code 33

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 0.25-24 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD–PERM, Paperwork Reduction Project (3060–0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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

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

43. Description. (Summarize the nature of the application and the services to be provided).

GUSA Licensee LLC ('Globalstar') requests permanent authority for the operation of its new, second-generation feeder link earth station antenna in Naalehu, Hawaii. Grant of this application will generate substantial operational benefits for Globalstar's MSS network and its subscribers, including expanded MSS signal coverage, increased service availability and quality in the United States, and greater innovation for Globalstar's safety-of-life service and other offerings.