Date & Time Filed: Dec 16 2020 1:52:34:940PM File Number: SES-AMD-INTR2020-03816

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:

Draft Reno-3 amendment

1–8. Legal Name of Applicant

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: 985–335–1503

Company: Globalstar, Inc. **Fax Number:** 985–335–1703

Street: 1351 Holiday Square Blvd. 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 classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

a1. Earth Station

a2. Space Station

(N/A) b1. Application for License of New Station

(N/A) b2. Application for Registration of New Domestic Receive–Only Station

a b3. Amendment to a Pending Application

b4. Modification of License or Registration

b5. Assignment of License or Registration

b6. Transfer of Control of License or Registration

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)

(N/A) 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) b12. Application for Database Entry

b13. Amendment to a Pending Database Entry Application

b14. Modification of Database Entry

17c. Is a fee submitted with this application of the submitted with the submi	on? 159. If No, indicate reason for fee exemption (se	e 47 C.F.R.Section 1.1114).
O Governmental Entity O Noncomme	rcial educational licensee	
Other(please explain):		
17d.		
Fee Classification CGX – Fixed Satellite 7 Station	Transmit/Receive Earth	
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:	plication enter both fields, if this filing is a
(a) Call sign of station:	(a) Date pending application was filed:	(b) File number:
	10/26/2020	SESLIC2020102601178

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide	le 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 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	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	(Please specify additional 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. 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)	
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 frequency(ies)
h — authorization to add frequency
i — authorization to add Points of Communication (satellites & Double
j — authorization to change Points of Communication (satellites & Double of Communication (satellites & Doub
k — authorization for facilities for which environmental assessment and
radiation hazard reporting is required
1 — authorization to change orbit location
m — authorization to perform fleet management
n — authorization to extend milestones
o — Other (Please specify)

ENVIRONMENTAL POLICY

under the laws of a foreign country?

impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.						
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aerona aeronautical fixed radio station services are not required to respond to Items 30–34.	autic	al er	ı roı	ıte o	r	
29. Is the applicant a foreign government or the representative of any foreign government?	٥	Yes	•	, No)	
30. Is the applicant an alien or the representative of an alien?	0	Yes	•	. No	0	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	•	, No	, o	N/A
32. Is the applicant a corporation of which more than one—fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized	0	Yes	•	. No	· o	N/A

O Yes No

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

		
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one–fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes •	No O N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.		
BASIC QUALIFICATIONS		
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	• Yes	No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	O Yes	No

37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	• Yes	⊚ No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	• 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	⊘ 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	No No ased Sat.
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	l, what administr	ration 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.)

GUSA Licensee LLC (together with its parent Globalstar, Inc., 'Globalstar'), hereby amends its pending application for permanent authority for the operation of a new, second-generation feeder link earth station antenna in Reno, Nevada to request permanent authority for two additional receive emission designators associated with a new burst mode

Cover letter

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.

44. Applicant is a (an): (Choose the button next to applicant is a (an):	plicable response.)
o Individual	
Unincorporated Association	
Partnership	
O Corporation	
Governmental Entity	
Other (please specify)	
45. Name of Person Signing	46. Title of Person Signing
L. Barbee Ponder IV	General Counsel and VP – Regulatory Affairs
>	· · · · · · · · · · · · · · · · · · ·
(U.S. Code, Title 18, Section	E ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION 2(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 Station Site E1: Site Identifier: REN3 E5. Call Sign: E2: Contact Name Travis Bennett E6. Phone 985-335-1585 Number: E3. Street: McCarran 3135 Waltham Way E7. City: E8. County: Storey E9. Zip Code E4. State NV89434 E10. Area of Operation: McCarran 39 °33 '17.0 "N E11. Latitude: E12. Longitude: 119 °29 '50.0 "W E13. Lat/Lon Coordinates are: NAD-27 **⋒** NAD-83 N/A E14. Site Elevation (AMSL): 1342.0 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 prop gain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	osed antenna(s) comply with the antenna	● Yes	O No	O N/A
E17. Is the facility operated by remote control? If YES, provide the locat point.	ion and telephone number of the control	Yes	0	No
E18. Is frequency coordination required? If YES, attach a frequency coordination	rdination report as E18 Response	• Yes	0	No
E19. Is coordination with another country required? If YES, attach the na coordination contours as	ame of the country(ies) and plot of	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.11 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RAPPLICATION.	's study regarding the potential hazard of	O Yes	•	No
POINTS OF COMMUNICATION		!		
Satellite Name: OTHER OTHER If you selected OTHER, please en	tter the following:			
E21. Common Name: Globalstar 2.0	E22. ITU Name: HIBLEO-X			
E23. Orbit Location: NGSO	E24. Country: France			

Satellite Name: GLOBALSTAR (S2115) | HIBLEO-4 | NGSO If you selected OTHER, please enter the following:

E28. Antenna Id	E43/44. Frequency Ba (MHz)	ands	E45. T/R M	ode	E46. Ant Polarizat L,R)		E47. E Design	Emission nator		Maximum P per Carrier W)	E49. Maximum ERIP Density per Carrier
REN3 (FREQUENCY	0.0/0.0	8.69		1350.6	9	0.0		295.0		0.0	72.2
Id]	E33/34. Diameter Minor/Major (meters)	Grou (met	Above und Level eers)	Level(bove Sea meters)	E37. Buil Height A Ground I (meters)	bove	E38. Total Input Powe antenna fla (Watts)		Above Roofton (meters)	EIRP for al carriers(dBW)
REN3	REN3	1		Cobhai SATCO		SeaTel Tr T6000	acker	6.0		51.2 dBi at 6.975	
REN3	REN3	1		Cobhai SATCO		SeaTel Tr T6000	acker	6.0		47.5 dBi at 5.1	5
	E28. Antenna Id	E29.	Quantity	E30. Manuf	facturer	E31. Moo	del	E32. Antend Size <meter< th=""><th></th><th>E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)</th><th></th></meter<>		E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)	
ANTENNA							•				
E26. Common Nar						E27. Cou	ntrv:				
E25. Site Identifier		.011 (1	Destination	Politis)							_
E23. Orbit Locatio		ON (I	Doctination	Dointa)		E24. Cou	ntry:				
E21. Common Name:							E22. ITU Name:				

(dBW/4kHz)

REN3	5096	5250	Т	Left and Right Circular	1M23G7W	55.0	30.1
E50. Modulation entirety.)	and Service	s (If tl	ne complete descrip	ption does not appear	in this box, please	go to the end of the	he form to view it in its
CDMA voice	and dat	a					
REN3	5096	5250	Т	Left and Right Circular	2M46G7W	55.0	27.1
CDMA voice	and dat	a					
REN3	6900	7055	R	Left and Right Circular	1M23G7W	0.0	0.0
E50. Modulation entirety.) CDMA voice			ne complete descri	ption does not appear	in this box, please	go to the end of the	he form to view it in its

REN3	6900	7055	R	Left and Right Circular	2M46G7W	0.0	0.0
E50. Modulation entirety.)	and Services	(If th	ne complete descri	ption does not appear in	this box, please	go to the end of t	he form to view it in its
CDMA voice	and data						
REN3	6875.9 6879.1		R	Left Hand Circular	70K0G7D	0.0	0.0
Telemetry	carrier						
REN3	5096	5250	Т	Left and Right Circular	NON	59.0	59.0
E50. Modulation entirety.) Unmodulate				ption does not appear in	this box, please	go to the end of t	he form to view it in its

REN3	6900	7055	R	Left and Right Circular	NON	0.0	0.0
E50. Modulation entirety.)	and Services	(If the	ne complete d	escription does not appear in	this box, please	go to the end of t	he form to view it in its
Unmodulate	d CW for	testi	.ng				
REN3	6875.95 6877.15		R	Left Hand Circular	7K00G1D	0.0	0.0
Telemetry	carrier						
REN3	5091.38 5091.62		Т	Left Hand Circular	40K0G2D	68.0	58.0
E50. Modulation entirety.)	and Services	(If the	ne complete d	escription does not appear in	this box, please	go to the end of t	he form to view it in its
Telecomman	d carrier	î					

REN3	6900	7055	R	Left and Right Circular	230KG7D	0.0	0.0
E50. Modulatio entirety.)	n and Service	es (If the	he complete d	escription does not appear	in this box, please	go to the end of t	he form to view it in its
Burst mod	e packet	data w	vith BPSK	modulation			
REN3	6900	7055	R	Left and Right Circular	280KG7D	0.0	0.0
Burst mod	e packet	data w	vith BPSK	modulation			
REN3	5096	5250	Т	Left and Right Circular	1M23G2W	55.0	30.1
E50. Modulatio entirety.)	n and Service	es (If the	he complete de	escription does not appear	in this box, please	go to the end of t	he form to view it in its
CDMA for	single-ca	arrier	AMSS				

REN3	5096	5250	Т	Left and Right Circular	2M46G2W	55.0	27.1
E50. Modulation entirety.)	and Services	s (If th	ne complete descri	ption does not appear	in this box, please	go to the end of the	he form to view it in its
CDMA for s	ingle-car	rrier	AMSS				
REN3	6900	7055	R	Left and Right Circular	1M23G2W	0.0	0.0
CDMA for s	ingle-car	rrier	AMSS				
REN3	6900	7055	R	Left and Right Circular	2M46G2W	0.0	0.0
E50. Modulation entirety.) CDMA for s				ption does not appear	in this box, please	go to the end of the	he form to view it in its

REN3	5091	5092	Т	Left Hand Circular	76K0F2D	68.0	55.2
E50. Modulation entirety.)	and Service	s (If th	ne complete descri	ption does not appear ir	n this box, please	go to the end of th	ne form to view it in its
FM subcarr	ier on t	elecom	nmand carrier				
REN3	5096	5250	Т	Left and Right Circular	1M23XXX	59.0	34.1
White nois	e modula	ted ca	arrier for te	sting			
REN3	6900	7055	R	Left and Right Circular	1M23XXX	0.0	0.0
E50. Modulation entirety.)	and Service	s (If th	ne complete descri	ption does not appear ir	this box, please	go to the end of th	ne form to view it in its
White nois	e modula	ted ca	arrier for te	sting			

6900	7055	R	Left and Right Circular	200KG7D	0.0	0.0
on and Service	ces (If the	he complete d	escription does not appear	in this box, please	go to the end of t	he form to view it in its
le packet	data v	vith BPSK	modulation			
5096	5250	Т	Left and Right Circular	4M50G7D	72.2	41.5
le packet	data v	vith π	0;/2-BPSK modulatio	on		
6900	7055	R	Left and Right Circular	2M50G2D	0.0	0.0
					go to the end of t	he form to view it in its
	on and Service de packet 5096 on and Service de packet 6900 on and Service	on and Services (If the depacket data was been sometimed of the packet data was been sometimed on and Services (If the depacket data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services (If the packet data was been sometimed on and Services).	on and Services (If the complete december data with BPSK) 5096 5250 T	On and Services (If the complete description does not appear de packet data with BPSK modulation 5096 5250 T	on and Services (If the complete description does not appear in this box, please de packet data with BPSK modulation 5096 5250 T	Circular on and Services (If the complete description does not appear in this box, please go to the end of the packet data with BPSK modulation 5096 5250 T

REN	3	6900	7055		Left and Right Circular	2M50G7D	0.0	0.0	
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.)								
	Direct-sequence CDMA for single-carrier telemetry data								

FREQUENCY COORDINATION

E28. Antenna Id	1	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern 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)
REN3	Non– Geostationary	5091 5250	0.0/0.0	0.0	10.0	360.0	10.0	10.29
	Non– Geostationary	6875 7055	0.0/0.0	0.0	10.0	360.0	10.0	0.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E66. Phone Number 985–335–1500
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	

E62. Street Address 1351 Holiday Square Blvd.			
E63. City Covington	E68. County St. Tammany Par	E67/68. State/Country LA/ USA	E64. Zip Code 70433

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 PRA@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.

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

GUSA Licensee LLC (together with its parent Globalstar, Inc., 'Globalstar'), hereby amends its pending application for permanent authority for the operation of a new, second-generation feeder link earth station antenna in Reno, Nevada to request permanent authority for two additional receive emission designators associated with a new burst mode packet data carrier that will support short-messaging data service.