

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Special Temporary Authority for Clifton TCU antenna (CLFN-1)

1. Applicant

Name:	GUSA Licensee LLC	Phone Number:	408-933-4525
DBA Name:		Fax Number:	408-933-4960
Street:	461 S. Milpitas Boulevard	E-Mail:	tony.navarra@globalstar.com
City:	Milpitas	State:	CA
Country:	USA	Zipcode:	95035
Attention:	Mr Anthony J Navarra		

File # SES-STA-20100922-01188
Call Sign E970199 Grant Date 10/14/10
(or other identifier) Term Dates
From 10/18/10 To: +60 days
Approved: Kathy Madley
Chief, Satellite Eng's B.
"with conditions"



Attachment to Grant
GUSA Licensee LLC
IBFS File No. SES-STA-20100922-01188 (Call Sign E970199)

The request of GUSA Licensee LLC for special temporary authority IS GRANTED. GUSA Licensee LLC is authorized, for a period of 60 days, commencing on October 18, 2010, to operate the Clifton earth station (Call Sign E970199) in the 5091-5250 MHz (Earth-to-space) and 6875-7055 MHz (space-to-Earth) frequency bands for testing and telecommand, telemetry, and control communications with HIBLEO-X satellites, in accordance with the technical parameters specified in the application, and subject to the following additional condition.

1. All operations pursuant to this authorization shall be on an unprotected and non-harmful interference basis. Operations shall not cause harmful interference to, and GUSA Licensee LLC shall not claim protection from interference caused by, any other lawfully operating station. In the event that harmful interference results, operations shall cease immediately upon notification of such interference, and GUSA Licensee LLC shall immediately inform the Commission in writing of such event.
2. No authority for commercial operation is granted herein.
3. This action is without prejudice to disposition of the application in IBFS File No. SES-MOD-20081023-01403, as amended by SES-AFS-20091221-01607.



File # SES-STA-20100922-01188

Call Sign E970199 Grant Date 10/14/10
(or other identifier)

Term Dates
From 10/18/10 To: +60 days

Approved: Matthew Melley

With Conditions

Chief Satellite Engg B.

2. Contact	
Name:	Paul A. Monte
Company:	Globalstar
Street:	461 S. Milpitas Boulevard
City:	Milpitas
Country:	USA
Attention:	Mr. Paul A. Monte
Phone Number:	408-933-4521
Fax Number:	408-933-4904
E-Mail:	paul.monte@globalstar.com
State:	CA
Zipcode:	95035
Relationship:	Same
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESAFS2009122101607 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date	
10/18/2010	
7. City/Clifton	
8. Latitude	
(dd mm ss.s h) 31 48 0.2 N	

9. State TX	10. Longitude (dd mm ss.s h) 97 36 44.3 W
11. Please supply any need attachments. Attachment 1: Exhibit 1	Attachment 2: Exhibit 2 Attachment 3: Exhibit 3
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)	<p>GUSA Licensee LLC is applying for special temporary authority to operate the TCU earth station antenna in Clifton, TX, to support the launch campaign of the second generation replacement Globalstar satellites. The TCU earth station antenna in Clifton will be used to communicate with the current Globalstar satellites (Call sign S2115) and the</p>
13. 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.	<p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>
14. Name of Person Signing Mr. Anthony Navarra	15. Title of Person Signing President
<p style="text-align: center;">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).</p>	

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12. Description

GUSA Licensee LLC is applying for special temporary authority to operate the TCU earth station antenna in Clifton, TX, to support the launch campaign of the second generation replacement Globalstar satellites. The TCU earth station antenna in Clifton will be used to communicate with the current Globalstar satellites (Call sign S2115) and the replacement satellites Globalstar 2.0.

Attachment to Grant
GUSA Licensee LLC
IBFS File No. SES-STA-20100922-01188 (Call Sign E970199)

The request of GUSA Licensee LLC for special temporary authority IS GRANTED. GUSA Licensee LLC is authorized, for a period of 60 days, commencing on October 19, 2010, to operate the Clifton earth station (Call Sign E970199) in the 5091-5250 MHz (Earth-to-space) and 6875-7055 MHz (space-to-Earth) frequency bands for testing and telecommand, telemetry, and control communications with HIBLEO-X satellites, in accordance with the technical parameters specified in the application, and subject to the following additional condition.

1. All operations pursuant to this authorization shall be on an unprotected and non-harmful interference basis. Operations shall not cause harmful interference to, and GUSA Licensee LLC shall not claim protection from interference caused by, any other lawfully operating station. In the event that harmful interference results, operations shall cease immediately upon notification of such interference, and GUSA Licensee LLC shall immediately inform the Commission in writing of such event.
2. No authority for commercial operation is granted herein.
3. This action is without prejudice to disposition of the application in IBFS File No. SES-MOD-20081023-01403, as amended by SES-AFS-20091221-01607.

Clifton, TX Earth Station

GUSA Licensee LLC (“Globalstar”) is seeking Special Temporary Authority to operate the Globalstar gateway earth station at Clifton, Texas, with the following parameters:

File No.: SES-AFS-20091221-01607

Call Sign: E970199 (CLFN-1)

STA term: October 18, 2010, to April 16, 2011

Location: Clifton, Texas

Latitude: 31 °48 ’0.2 "N

Longitude: 97 °36 ’44.3 "W

Transmit frequency: 5091 – 5250 MHz

Receive frequency: 6875 – 7055 MHz

Polarization: RHCP & LHCP

Antenna Size: 5.5 m

Gain: Tx: 47.6 dBi at 5.150 GHz
Rx: 50.2 dBi at 6.975 GHz

Max. antenna height: 27 feet above ground level

Necessary Bandwidth: Transmit bandwidth is 159 MHz
Receive bandwidth is 180 MHz
Maximum carrier bandwidth is 1.23 MHz

Carrier: See table below

<u>Frequency Band (MHz)</u>	<u>T/R Mode & Polarization</u>	<u>Emission Designator</u>	<u>Maximum EIRP (dBW)</u>	<u>Maximum EIRP Density (dBW/4kHz)</u>	<u>Modulation</u>
5091 - 5092	Tx- LHCP	76K0F2D	68	55.2	FM subcarrier on telecommand carrier
6875.95 – 6877.15	Rx – LHCP	7K00G1D			Telemetry carrier
5096 – 5250	Tx – L/RHCP	1M23XXX	59	34.1	White noise modulated carrier for testing
6900 – 7055	Rx – L/RHCP	1M23XXX			White noise modulated carrier for testing
5096 – 5250	Tx – L/RHCP	N0N	59	59	Unmodulated CW for testing

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6900 – 7055	Rx – L/RHCP	N0N			Unmodulated CW for testing
5096 – 5250	Tx – L/RHCP	1M23G7W	55	30	CDMA/voice and data
6900 – 7055	Rx – L/RHCP	1M23G7W			CDMA/voice and data
5096 – 5250	Tx – L/RHCP	1M23G2W	55	30	CDMA/for single-carrier AMSS.
6900 – 7055	Rx – L/RHCP	1M23G7W			CDMA/for single-carrier AMSS
6900 – 7055	Rx – L/RHCP	2M50G2D			Direct sequence CDMA for single-carrier telemetry data
5096 – 5250	Tx – L/RHCP	2M46G7W	55	27.1	CDMA/voice and data
6900 – 7055	Rx – L/RHCP	2M46G7W			CDMA/voice and data
5096 – 5250	Tx – L/RHCP	2M46G2W	55	27.1	CDMA/for single-carrier AMSS.
6900 – 7055	Rx – L/RHCP	2M46G7W			CDMA/for single-carrier AMSS
5091.38 – 5091.62	Tx- LHCP	40K0G2D	68	58	Telecommand carrier
6875.9 – 6879.1	Rx – LHCP	70K0G7D			Telemetry carrier

Satellite: S2115 (U.S.-licensed Globalstar Big LEO MSS system)

Orbital Location: NGSO (1414 km altitude, 52 degree inclination)

Elevation Angle (E/W): 5 degrees to 90 degrees

Azimuth (E/W): 0 degrees to 360 degrees

Satellite: HIBLEO-X GLOBALSTAR 2.0 (Pending France-licensed Globalstar Big LEO MSS system)

Orbital Location: NGSO (1414 km altitude, 52 degree inclination)

Elevation Angle (E/W): 5 degrees to 90 degrees

Azimuth (E/W): 0 degrees to 360 degrees

NOTE: The telecommand / telemetry carrier with designator 40K0G2D/70K0G7D are for GLOBALSTAR 2.0 satellites while the telecommand / telemetry carrier with designator 76K0F2D/7K00G1D are for current Globalstar satellites (Call Sign S2115).

Information on MLS Sites

For the Clifton, Texas, Globalstar gateway site, there are four potential MLS sites, i.e., Category III airports, within the 200 nautical mile coordination distance. The Clifton site is located at 31-48 06 N, 97-36-45 W. The airports are:

IAH	Houston – George Bush International Airport, approximately 163 nautical miles from Clifton
AUS	Austin – Bergstrom International Airport, approximately 91 nautical miles away
DFW	Dallas/Ft. Worth International Airport, approximately 71 nautical miles away
AFW	Ft. Worth Alliance Field, approximately 68 nautical miles away

Based on a directory used for MLS coordination purposes, and to the best of its knowledge, Globalstar believes that MLS is not active at any of those sites and will not be active during the requested 180-day.