Approved by OMB 3060–0678

Date & Time Filed: Jul 31 2012 5:19:13:270PM File Number: SES-AMD-INTR2012-01793

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 of AMSS Application July 2012

1–8. Legal Name of Applicant Gogo LLC **Phone Number:** Name: 202-870-7220 DBA **Fax Number:** Name: Street: 5505 Connecticut Avenue, NW E-Mail: bgordon@aircell.com #288 City: Washington State: DC **Country:** USA Zipcode: 20015 Attention: Mr William J Gordon

9–16. Name o	of Contact	Representative		
N	ame:	Karis Hastings	Phone Number:	202-599-0975
C	ompany:	C	Fax Number:	
St	treet:	1317 F St NW	E-Mail:	
		Suite 400		
C	ity:	Washington	State:	DC
C	ountry:	USA	Zipcode:	20004-
A	ttention:	Karis Hastings	Relationship:	Legal Counsel
CLASSIFIC	ATION O	F FILING		
both question for 17a and c al. Ea	that applie ts a. and b.	es to this filing for Choose only one r 17b.	States (N/A) b10. Other (Please specify)	Domestic Receive–Only Station n ion eive–Only Station Using Non–U.S. Licensed censed Satellite to Provide Service in the United Access a Non–U.S.satellite Not Currently Authorized d Frequencies in the United States

17c. Is a fee submitted with this application?						
● If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).						
O Governmental Entity O Noncomme	ercial educational licensee					
• Other(please explain):						
17d.						
Fee Classification CGB – Mobile Satellite Earth Stations						
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending an modification please enter only the file number:	pplication enter both fields, if this filing is a				
(a) Call sign of station:	(a) Date pending application was filed:	(b) File number:				
	06/18/2012	SESLIC2012061900574				

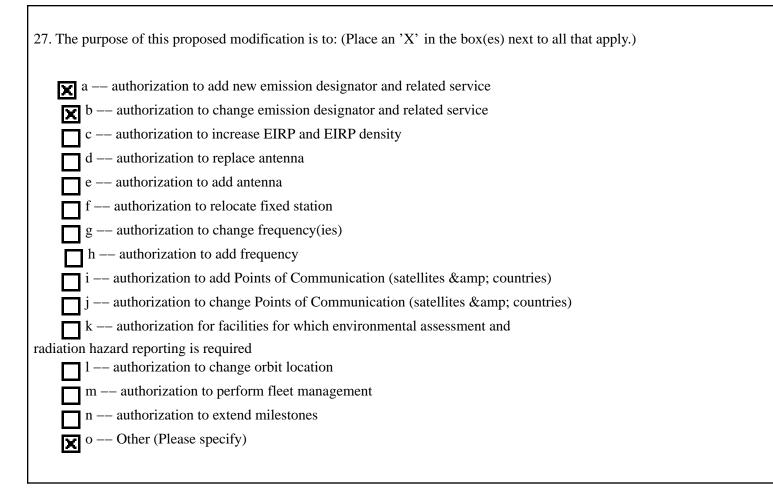
## TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide	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
O Common Carrier	■ Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER set facilities:	ervice, see instructions regarding Sec. 214 filings. Choose one. Are these
• Connected to a Public Switched Network • Not connected to a F	Public Switched Network 💿 N/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all ap	plicable frequency band(s).
a. C–Band (4/6 GHz) k. Ku–Band (12/14 GHz)	
c.Other (Please specify upper and lower frequencies in MHz.)	
Frequency Lower: Frequency Upper: (Please specify addition	al 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
o c. 12/14 GHz VSAT Network
O 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



#### 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?	0	Yes	۲	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	0	No	۲	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	0	No	۲	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?	0	Yes	0	No	۲	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?

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
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 No ■

O Yes O No ⊚ N/A

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.	• Yes	O 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.

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 No

Yes

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?Gibraltar

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.)

Gogo LLC hereby amends its application for a Ku-band AMSS blanket license in order to update the status of coordination of its AMSS network; revise certain language relating to proposed use of the 10.95-11.2 GHz, 11.45-11.7 GHz, and 12.25-12.75 GHz bands for receive operations; make other technical corrections; and request that the Gogo Application be

Narrative and Exh

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.	● 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>О</b> <sup>В</sup>
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.	<b>O</b> 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 applicable response.)	
O Individual	
• Unincorporated Association	
Partnership	
• Corporation	
Governmental Entity	
Other (please specify)	
45. Name of Person Signing	46. Title of Person Signing
William Gordon	Vice President Regulatory Affairs
>	
	I ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT EVOCATION OF ANY STATION AUTHORIZATION 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	tation Site			
E1: Site Identifier:	AES1	E5. Call Sign:		
E2: Contact Name	NOC Engineer on Duty	E6. Phone Number:	866-943-4662	
E3. Street:	1250 North Arlington Hghts Rd	E7. City:	Itasca	
		E8. County:	DuPage	
E4. State	IL	E9. Zip Code	60143	
E10. Area of Operation:		CONUS and OCON	NUS	
E11. Latitude:	0 °0 '0.0 "			
E12. Longitude:	0 °0 '0.0 "			
E13. Lat/Lon Coordinates are:		ONAD-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 a technical analysis showing compliance with two–degree spacing policy.	O Yes	<b>⊚</b> <sup>No</sup>	O <sup>N/A</sup>
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	<b>O</b> <sup>No</sup>	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	• Yes	0	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0	Yes	I No	0
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0	Yes	I No	D
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.	0	Yes	I No	0

Satellite Name: OTHER | OTHER | If you selected OTHER, please enter the following:

E21. Common Name: INTELSAT 21 (S2863)	E22. ITU Name:
E23. Orbit Location: 58 W.L.	E24. Country: USA

Satellite Name: IS 14   IS 14   45 W.L.	If you selected OTHER, please enter the following:				
E21. Common Name:		E22. ITU Name:			
E23. Orbit Location:		E24. Country:			

Satellite Name: SES-1   SES-1   101 W.L.	If you selected OTHER, please enter the following:			
E21. Common Name:		E22. ITU Name:		
E23. Orbit Location:		E24. Country:		

Satellite Name: OTHER   OTHER   If you selected OTHER, please en	If you selected OTHER, please enter the following:					
E21. Common Name: Intelsat 27 (S2827)	E22. ITU Name:					
E23. Orbit Location: 304.5 E.L.	E24. Country: USA					

Satellite Name: INTELSAT 19 (S2850)   INTELSAT 19   166.0 E.L.	If you selected OTHER, please enter the following:		
E21. Common Name:	E22. ITU Name:		
E23. Orbit Location:	E24. Country:		

Satellite Name: NSS-703   NSS-703   47.05 W.L. If you 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:
	127. County.

## 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 at GHz)
AES1	AES1	1000	AeroSat	HR6400	0.0	31.8 dBi at 11.7
AES1	AES1	1000	AeroSat	HR6400	0.0	29.0 dBi at 14.47

Id	Diameter			Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
AES1	0.17/0.62	0.0	0.0	0.0	35.48	0.0	44.5

## FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
AES1	10950 11200	R	Horizontal and Vertical	30M0G7D	0.0	0.0

E50. Modulation	and Services (If the	he complete descripti	on does not appear in	n this box, please go	to the end of the form	to view it in its
entirety.)	ata Services					
AES1	11450 11700	R	Horizontal and Vertical	30M0G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	he complete descripti	on does not appear in	n this box, please go	to the end of the form	to view it in its
	ata Services					
AES1	11700 12200	R	Horizontal and Vertical	30M0G7D	0.0	0.0
E50. Modulation entirety.)	and Services (If the	he complete descripti	on does not appear in	n this box, please go	to the end of the form	to view it in its
Digital Da	ata Services					
AES1	12250 12750	R	Horizontal and Vertical	30M0G7D	0.0	0.0

E50. Modulation	n and Services (I	f the complete de	scription does not appear	in this box, please	go to the end of th	ne form to view it in its
entirety.)						
Digital D	ata Services					
AES1	14000 14500	Т	Horizontal and Vertical	4M10G7D	42.8	12.7
E50. Modulation entirety.)	n and Services (I	f the complete de	scription does not appear	in this box, please	go to the end of th	ne form to view it in its
Digital D	ata Services					
AES1	14000 14500	Т	Horizontal and Vertical	6M00G7D	44.4	12.7
E50. Modulation entirety.)	n and Services (I	f the complete de	scription does not appear	in this box, please	go to the end of th	ne form to view it in its
Digital D	ata Services					
AES1	14000 14500	Т	Horizontal and Vertical	6M56G7D	44.43	12.28

E50. Modulati entirety.)	on and Services	(If the complete de	escription does not appear	in this box, please	go to the end of th	ne form to view it in its
-	Data Services	3				
AES1	14000 14500	Т	Horizontal and Vertical	6M94G7D	44.45	12.05
Digital	Data Services	3				
AES1	14000 14500	Т	Horizontal and Vertical	8M00G7D	44.5	11.49
entirety.)	on and Services		escription does not appear	in this box, please	go to the end of th	e form to view it in its

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern 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)
AES1	Geostationary	10950 11200	313.0/313.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	11450 11700	304.5/304.5	0.0	5.0	0.0	5.0	0.0
	Geostationary	11450 11700	313.0/313.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	11700 11950	313.0/313.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	11700 12200	101.0/101.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	11700 12200	302.0/302.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	11700 12200	315.0/315.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	12250 12750	166.0/166.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	12500 12750	313.0/313.0	0.0	5.0	0.0	5.0	0.0
	Geostationary	14000 14500	101.0/101.0	0.0	5.0	0.0	5.0	-3.9
	Geostationary	14000 14500	166.0/166.0	0.0	5.0	0.0	5.0	-3.9

	Geostationary	14000 14500	302.0/302.0	0.0	5.0	0.0	5.0	-3.9
	Geostationary	14000 14500	304.5/304.5	0.0	5.0	0.0	5.0	-3.9
	Geostationary	14000 14500	313.0/313.0	0.0	5.0	0.0	5.0	-3.9
	Geostationary	14000 14500	315.0/315.0	0.0	5.0	0.0	5.0	-3.9
REMOTE CO	DNTROL POIN	T LOCATIO	ON	<b>I</b>				
	-	•	ntrolling station, no	ot the	E66. Phone Nu 1 800 321 3959			
E62. Street 2857 Fork	Address Creek Church Ro	ad			1			
E63. City Ellenwood			E68. Count Dekalb	ty		E67/6 State/Cou GA/		E64. Zip Code

E61. Call Sign E980460 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	E66. Phone Number 1 800 321 3959
E62. Street Address 961 Anselmo Court	

E63. City	E68. County	E67/68.	E64. Zip Code
Napa	Napa	State/Country	
		CA/ USA	

E61. Call Sign E980467 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number 1 800 321 3959		
E62. Street Address 961 Anselmo Court				
E63. City Napa	E68. County Napa		E67/68. State/Country CA/ USA	E64. Zip Code

E61. Call Sign E070181 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number 1 703 367 7300		
E62. Street Address 2323 Grimville Rd				
E63. City Mount Airy	E68. County Carroll		E67/68. State/Country MD/ USA	E64. Zip Code

E61. Call Sign E030051 NOTE: Please enter the callsign of the controlling station, not the	E66. Phone Number 1 800 321 3959
callsign for which this application is being filed.	

E62. Street Address 17633 Technology Blvd				
E63. City Hagerstown	E68. County Washington		E67/68. State/Country MD/ USA	E64. Zip Code
E61. Call Sign E940333 NOTE: Please enter the callsign of the c callsign for which this application is being		E66. Phone Number 1 800 321 3959	er	
E62. Street Address 2857 Fork Creek Church Road		L		
E63. City Ellenwood	E68. County Dekalb		E67/68. State/Country GA/ USA	E64. Zip Code
E61. Call Sign E120051 NOTE: Please enter the callsign of the c callsign for which this application is being		E66. Phone Numb 1 800 321 3959	er	
E62. Street Address 17633 Technology Blvd				
E63. City Hagerstown	E68. County Washington		E67/68. State/Country MD/ USA	E64. Zip Code

E61. Call Sign E920698 NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.		E66. Phone Number 1 703 367 7300		
E62. Street Address 2323 Grimville Rd				
E63. City Mount Airy	E68. County Carroll		E67/68. State/Country MD/ USA	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 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).

Gogo LLC hereby amends its application for a Ku-band AMSS blanket license in order to update the status of coordination of its AMSS network; revise certain language relating to proposed use of the 10.95-11.2 GHz, 11.45-11.7 GHz, and 12.25-12.75 GHz bands for receive operations; make other technical corrections; and request that the Gogo Application be treated as permit-but-disclose under the ex parte rules.