Date & Time Filed: May 22 2007 3:25:50:676PM File Number: SES-MOD-INTR2007-01224

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: Modification of E990402 - 5/2007

1–8. Legal Name of Ap	pplicant		
Name:	Globecomm Systems, Inc.	Phone Number:	631-231-9800
DBA Name:		Fax Number:	631–231–1557
Street:	45 Oser Avenue	E–Mail:	GJohnstonSr@globecommsystems .com
City:	Hauppauge	State:	NY
<b>Country:</b>	USA	Zipcode:	11788 -3816
Attention:	Mr. Gerry Johnston Sr.		

9–16. Name of Contact Representative

Name: Michelle A. McClure Phone Number: 202–728–0400

**Company:** Irwin, Campbell & Tannenwald, P. **Fax Number:** 202–728–0354

C.

Street: 1730 Rhode Island Ave., N.W. E-Mail: mmcclure@ictpc.com

Suite 200

City: Washington State: DC

**Country:** USA **Zipcode:** 20036–3101

Attention: Relationship: Legal Counsel

**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.	(N/A) b1. Application for License of New Station (N/A) b2. Application for Registration of New Domestic Receive—Only Station b3. Amendment to a Pending Application
a1. Earth Station a2. Space Station	<ul> <li>b4. Modification of License or Registration</li> <li>b5. Assignment of License or Registration</li> <li>b6. Transfer of Control of License or Registration</li> <li>b7. Notification of Minor Modification</li> <li>(N/A) b8. Application for License of New Receive—Only Station Using Non—U.S. Licensed Satellite</li> <li>(N/A) b9. Letter of Intent to Use Non—U.S. Licensed Satellite to Provide Service in the United States</li> <li>(N/A) b10. Other (Please specify)</li> <li>(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</li> <li>(N/A) b12. Application for Database Entry</li> <li>b13. Amendment to a Pending Database Entry Application</li> <li>b14. Modification of Database Entry</li> </ul>
17c. Is a fee submitted with this application of the submitted with th	159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
17d.  Fee Classification CGX – Fixed Satellite T Station	Transmit/Receive Earth

18. If this filing is in reference to an existing station, enter:	19. If this filing is an ame modification please enter		g application enter both fields, if this filing is a
(a) Call sign of station:	(a) Date pending application	ion was filed:	(b) File number:
E990402			SESMOD2005090901248
			SESIMOD2003070701240
TYPE OF SERVICE			
20. NATURE OF SERVICE: This filing i	s for an authorization to provi	de or use the follow	ring 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 only one.  Common Carrier  Non-Common		Using U.S. li	on applicant, check all that apply. icensed satellites U.S. licensed satellites

23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these

lacktriangle Connected to a Public Switched Network lacktriangle Not connected to a Public Switched Network lacktriangle N/A

facilities:

24.	FREQUENCY BAND(S): Place an	'X' in the box(es) next to all an	oplicable frequency band(s).
		and (12/14 GHz)	1 2
	Other (Please specify upper and lo		
	Frequency Lower: 13750	Frequency Upper: 14000	(Please specify additional frequencies in an attachment)
TYPE	OF STATION		
25. Cl	LASS OF STATION: Choose the bu	tton next to the class of station t	hat applies. Choose only one.
<b>●</b> a	. Fixed Earth Station		
O b	. Temporary–Fixed Earth Station		
<b>O</b> c	. 12/14 GHz VSAT Network		
O d	. Mobile Earth Station		
Ое	. Geostationary Space Station		
O f	Non-Geostationary Space Station		
O g	. Other (please specify)		
-			
26. T	YPE OF EARTH STATION FACIL	TY:	
● T	ransmit/Receive	nly O Receive-Only O	N/A
"For S	Space Station applications, select N	Α "	

# 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 & countries)
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

	<del></del>	
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	<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.	<b>⊚</b> 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
	Hispasat 1C	
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issue coordinated or is in the process of coordinating the space station?	d, 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.)

Globecomm Systems, Inc. desires to modify license E990402 to delete antenna AOT 11 from the license, and to transfer the traffic licensed on antenna AOT 11, as well as operations to the Hispasat 1C satellite in the extended Ku-band, to antenna AOT 10. Further, the emissions originally licensed on antenna AOT 10 will remain on the license. Antenna AOT

Radiation Hazard Stu

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.	<b>●</b> 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.	O 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.	<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 a	pplicable response.)	
o Individual		
<ul> <li>Unincorporated Association</li> </ul>		
Partnership		
<ul><li>Corporation</li></ul>		
Governmental Entity		
Other (please specify)		
45. Name of Person Signing	46. Title of Person Signing	
Kenneth A. Miller	President	
>	•	
	DE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRIS 1 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATIO	

(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 Station Site E1: Site Identifier: Hauppauge E5. Call Sign: E990402 E2: Contact Name Gerry Johnston Sr. E6. Phone 631-231-9800 Number: E3. Street: 45 Oser Avenue E7. City: Hauppauge E8. County: Suffolk E9. Zip Code 11788 E4. State NY **CONUS** E10. Area of Operation: 40 °48 '54.1 "N E11. Latitude: E12. Longitude: 73 °14 '17.8 "W E13. Lat/Lon Coordinates are: **⋒** NAD-83 NAD-27 N/A E14. Site Elevation (AMSL): 33.5 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 Set Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	<b>O</b> 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	O Yes	•	No
E19. Is coordination with another country required? If YES, attach the necoordination 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? FAA Notification 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: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you s	elected OTHER, please enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			
Satellite Name: HISPASAT 1C   HISPASAT 1C   30.0 W.L. If you sel	ected OTHER, please enter the following:			

E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:
POINTS OF COMMUNICATION (Destination Points)	
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Argentina
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Bolivia
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Brazil
	2211 Country . Diable
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Chile
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Colombia
E25. Site Identifier: Hauppauge	<u> </u>
E26. Common Name:	E27. Country: Costa Rica
	1
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Ecuador

E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Honduras
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Nicaragua
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Panama
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Peru
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Puerto Rico
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Paraguay
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: El Salvador
E25. Site Identifier: Hauppauge	
E26. Common Name:	E27. Country: Uruguay

E25. Site Identifier: Hauppauge

E26. Common Name: E27. Country: USA

E25. Site Identif	fier: Hauppauge						
E26. Common N	Vame:			E27. Country:	Venezuela		
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)	
Hauppauge	AOT-10	1	Vertex Comm.	9.3 KPK	9.3	59.3 dBi at 11.95	
Hauppauge	AOT-10	1	Vertex Comm.	9.3 KPK	9.3	60.8 dBi at 14.25	
E28. Antenna Id	E33/34. Diameter Minor/Major	E35. Above Ground Level (meters)	E36. Above Sea Level(meters)	E37. Building Height Above Ground Level	E38. Total Input Power at antenna flange	E39. Maximum Antenna Height Above Rooftop	

# FREQUENCY

AOT-10

(meters)

0.0/0.0

9.3

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)
AOT-10	11700 12000	R	Horizontal and Vertical	615KG2D	0.0	0.0

42.8

(meters)

0.0

(Watts)

310.0

(meters)

85.7

0.0

E50. Modula	tion and Services	(If the complete	description does not appear	in this box, please	go to the end of t	he form to view it in its
entirety.)						
Digital	Data					
AOT-10	11700 12200	R	Horizontal and Vertical	3M00G2D	0.0	0.0
E50. Modula entirety.)	tion and Services	(If the complete	description does not appear	in this box, please	go to the end of t	he form to view it in its
Digital	Data					
AOT-10	13750 14000	T	Horizontal and Vertical	3M00G2D	64.6	35.8
E50. Modula entirety.)	tion and Services	(If the complete	description does not appear	in this box, please	go to the end of t	he form to view it in its
Digital	Data					
AOT-10	13750 14000	Т	Horizontal and Vertical	615KG2D	57.9	36.0

E50. Modulatio entirety.)	n and Services (If t	he complete desc	cription does not appear	in this box, please	go to the end of t	the form to view it in its
Digital Da	ata					
AOT-10	11700 12200	R	Horizontal and Vertical	15M4G7D	0.0	0.0
E50. Modulatio entirety.)	n and Services (If t	he complete des	cription does not appear	in this box, please	go to the end of t	the form to view it in its
Digital Da	ata, 16QAM, FEC	2 7/8, 45,00	0 Kbps			
AOT-10	11700 12200	R	Horizontal and Vertical	18M0G7D	0.0	0.0
E50. Modulatio entirety.)	n and Services (If t	the complete desc	cription does not appear	in this box, please	go to the end of t	the form to view it in its
Digital Da	ata, 16QAM, FEC	7/8, 45,00	0 Kbps			
AOT-10	13754 13790	Т	Horizontal and Vertical	15M4G7D	72.5	36.6

E50. Modu	lation and Services	(If the complete de	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
entirety.)						
Digital	. Data, 16QAM,	FEC 7/8, 45,0	000 Kbps			
AOT-10	13754 13790	Т	Horizontal and Vertical	18M0G7D	72.5	36.0
E50. Modulentirety.)	lation and Services	(If the complete de	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
Digital	Data, 16QAM,	FEC 7/8, 45,0	000 Kbps			
AOT-10	13794 13830	Т	Horizontal and Vertical	15M4G7D	72.5	36.6
E50. Modulentirety.)	lation and Services	(If the complete de	escription does not appear	in this box, please	go to the end of the	ne form to view it in its
Digital	Data, 16QAM,	FEC 7/8, 45,0	000 Kbps			
AOT-10	13794 13830	Т	Horizontal and Vertical	18M0G7D	72.5	36.0

E50. Modulation entirety.)	on and Services (I	f the complete d	escription does not appear i	in this box, please	go to the end of the	he form to view it in its
Digital D	ata, 16QAM, FE	C 7/8, 45,	000 Kbps			
AOT-10	13834 13870	Т	Horizontal and Vertical	15M4G7D	72.5	36.6
E50. Modulation entirety.)	on and Services (I	f the complete d	escription does not appear i	in this box, please	go to the end of the	he form to view it in its
Digital D	ata, 16QAM, FE	GC 7/8, 45,	000 Kbps			
AOT-10	13834 13870	Т	Horizontal and Vertical	18M0G7D	72.5	36.0
E50. Modulation entirety.)	on and Services (I	f the complete d	escription does not appear i	in this box, please	go to the end of the	he form to view it in its
Digital D	ata, 16QAM, FE	CC 7/8, 45,0	000 Kbps			
AOT-10	13874 13910	Т	Horizontal and Vertical	15M4G7D	72.5	36.6

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 Data, 16QAM, FEC 7/8, 45,000 Kbps

AOT-10	13874	Т	Horizontal and	18M0G7D	72.5	36.0
	13910		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 Data, 16QAM, FEC 7/8, 45,000 Kbps

# FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	O	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)
AOT-10	Geostationary	13750 14000	28.0/32.0	123.0	24.3	126.7	26.9	-25.9
	Geostationary	13754 13790	30.0/30.0	124.8	25.6	124.8	25.6	-34.0

Geostationary	13794 13830	30.0/30.0	124.8	25.6	124.8	25.6	-34.0		
Geostationary	13834 13870	30.0/30.0	124.8	25.6	124.8	25.6	-34.0		
Geostationary	13874 13910	30.0/30.0	124.8	25.6	124.8	25.6	-34.0		
REMOTE CONTROL POINT LOCATION									
E61. Call Sign				E66. Phone Number					
NOTE: Please enter the calls callsign for which this application	•	•	ot the						
E62. Street Address			•						
E63. City		E68. County	y		E67/68. State/Country	7	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.

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

Globecomm Systems, Inc. desires to modify license E990402 to delete antenna AOT 11 from the license, and to transfer the traffic licensed on antenna AOT 11, as well as operations to the Hispasat 1C satellite in the extended Ku-band, to antenna AOT 10. Further, the emissions originally licensed on antenna AOT 10 will remain on the license. Antenna AOT 10 will continue to provide digital video and data services to their clients.