Approved by OMB 3060–0678

Date & Time Filed: Jan 18 2008 6:03:48:496PM File Number: SES-AMD-INTR2008-00147

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: ATC Application – Amendment to METS Application

1–8. Legal Name of Applicant **Phone Number:** New ICO Satellite Services G.P. 425-828-8000 Name: DBA **Fax Number:** 425-828-8021 Name: Street: 2300 Carillon Point E-Mail: dennis.schmitt@ico.com City: Kirkland State: WA USA Zipcode: 98033 **Country:** \_ Attention: Dennis Schmitt

9–16. Name of C	Contact R	epresentative					
Nam	ie: (	Cheryl A. Tritt		Phone Number:		202-887-1510	
Com	pany:	Morrison & Foerste	er LLP	Fax Number:		202-887-0763	
Stree	et:	2000 Pennsylvania	Avenue, NW	E-Mail:		CTritt@mofo.com	
	:	Suite 5500					
City	:	Washington		State:		DC	
Cour	ntry:	USA		Zipcode:		20006-	
Atte	ntion:			<b>Relationship:</b>		Legal Counsel	
CLASSIFICAT	ION OF	FILING					
	at applies 1. and b. C	s to this filing for Choose only one	(N/A) b2. App	lication for License of lication for Registration	on of New Dom	nestic Receive–Only Station	

both questions a. and b. Choose only one for 17a and only one for 17b.	<ul> <li>(N/A) b2. Application for Registration of New Domestic Receive–Only Station</li> <li>b3. Amendment to a Pending Application</li> </ul>
<ul> <li>a1. Earth Station</li> <li>a2. Space Station</li> </ul>	<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> </ul>
	<ul> <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 applicat							
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 Noncommercial educational licensee							
• Other(please explain):							
17d.							
Fee Classification CGB – Mobile Satellite	e Earth Stations						
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending ap modification please enter only the file number:	pplication enter both fields, if this filing is a					
(a) Call sign of station: E070272	n: (a) Date pending application was filed: (b) File number:						
	12/03/2007	SESLIC2007120301646					

#### TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provid	e 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	Using Non–U.S. licensed satellites
facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these Public Switched Network ON/A
24. FREQUENCY BAND(S): Place an 'X' in the box(es) next to all a	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: 2000 Frequency Upper: 2200	(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
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.	-	Yes Exhil	-			
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.	iutic	al en	rou	te or		
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

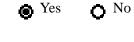
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	Yes	O No
36. Has the applicant or any party to this application or amendment had any FCC station authorization 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.



Yes

O No

Exhibit 3

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?United Kingdom

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.)

In this Amendment, Applicant makes revisions to its Mobile Earth Terminal (MET) Application, IBFS File No. SES-LIC-20071203-01646, to remove duplicate entries and correct formatting errors in the Form 312, Schedule B, that were generated unintentionally in the data entry process. In addition, by way of this Amendment, ICO restates that its MET

Exhibit 1

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>O</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.	● <sup>B</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
Dennis Schmitt	Director
>	
(U.S. Code, Title 18, Section 1001), AND/OR R	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:	METs	E5. Call Sign:	E070272		
E2: Contact Name	Bob White	E6. Phone Number:	702–639–5188		
E3. Street:	1 Aerojet Way	E7. City:	North Las Vegas		
	Suite 300	E8. County:	Clark		
E4. State	NV	E9. Zip Code	89030		
E10. Area of Operation:		CONUS, Hawaii, A	alaska, Puerto Rico,	US Virgin Islands	
E11. Latitude:	0 °0 '0.0 "				
E12. Longitude:	0 °0 '0.0 "				
E13. Lat/Lon Coord	linates are:	ONAD−27	O 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 O No	● N/A
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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	O <sup>№</sup>	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	• Yes	c	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0	Yes	۲	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0	Yes	۲	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.	0	Yes	۲	No

# Satellite Name: OTHER | OTHER | If you selected OTHER, please enter the following: E21. Common Name: ICO G1 E22. ITU Name: ICO-G E23. Orbit Location: 92.85 E24. Country: United Kingdom POINTS OF COMMUNICATION (Destination Points) E25. Site Identifier: METs

E26. Common Name: ICO G1	E27. Country: Puerto Rico
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E25. Site Identifier: METs	
E26. Common Name: ICO G1	E27. Country: USA

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)
METs	P1	1000000	Various	N/A	0.06	0.0 dBi at 2.01
METs	P2	1000000	Various	N/A	0.06	3.5 dBi at 2.01
METs	P3	1000000	Various	N/A	0.03	0.0 dBi at 2.01
METs	P4	1000000	Various	N/A	0.03	0.0 dBi at 2.01
METs	P5	1000000	Various	N/A	0.03	0.0 dBi at 2.01
METs	P6	1000000	Various	N/A	0.03	0.0 dBi at 2.01

		E40. Total
Id Diameter Ground Level (Level(meters)  Height Above Input Power at	Antenna Height	EIRP for al
Minor/Major (meters) Ground Level antenna flange	Above Rooftop	carriers(dBW)
(meters) (Watts)	(meters)	

P1	0.0/0.0	0.0	0.0	0.0	0.0	0.0	0.0
P2	0.0/0.0	0.0	0.0	0.0	2.0	0.0	6.5
P3	0.0/0.0	0.0	0.0	0.0	2.0	0.0	3.0
P4	0.0/0.0	0.0	0.0	0.0	2.0	0.0	3.0
P5	0.0/0.0	0.0	0.0	0.0	2.0	0.0	3.0
P6	0.0/0.0	0.0	0.0	0.0	2.0	0.0	3.0

### FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
P1	2180 2200	R	Vertical	5M00G7W	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.)

16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data

P2	2000	2020	Т	Right Hand Circular	156KG7W	5.71	-10.1

E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please g	go to the end of th	e form to view it in its
	SK, QPSK, 16A	PSK, non-unifo:	rm QAM – voice	e, data		
P2	2000 2020	Т	Right Hand Circular	31K3G7W	-1.27	-10.1
E50. Modulation entirety.)	and Services (If	the complete descript	ion does not appear	in this box, please g	to the end of th	e form to view it in its
16 QAM, 8P	SK, QPSK, 16A	PSK, non-unifo:	rm QAM – voice	e, data		
P2	2180 2200	R	Right Hand Circular	156KG7W	0.0	0.0
E50. Modulation entirety.) 16 QAM, 8P	`	the complete descript			to the end of th	e form to view it in its
P2	2180 2200	R	Right Hand	31K3G7W	0.0	0.0
					0.0	0.0

2000       2020       T       Right Hand Circular         E50. Modulation and Services       (If the complete description does not a entirety.)         16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - v		3.0 be go to the end of	-21.9 The form to view it in it
entirety.)		e go to the end of	the form to view it in it
2180 2200 R Right Hand Circular	1M25G7W	0.0	0.0

 P4
 2000
 2020
 T
 Vertical
 200KG7W
 3.0
 -14.0

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.)	

24	2180	2200	R	Vertical	200KG7W	0.0	0.0
E50. Mo	dulation and Se	ervices (If the	he complete d	escription does not app	ear in this box, please	go to the end of	the form to view it in its
16 Q2	ΑΜ, 8PSK, ζ	)PSK, 16AF	PSK, non-u	niform QAM – vo	ice, data		
25	2000	2020	Т	Vertical	1M25G7W	3.0	-21.9
E50. Mo	dulation and Se	vrvices (If the	he complete d	escription does not app	ear in this box, please	go to the end of	the form to view it in its
	AM, 8PSK, Ç	)PSK, 16AF	PSK, non-u	uniform QAM - vo	ice, data		
P5	2180	2200	R	Vertical	1M25G7W	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.)	

6	2000	2020	Т	Vertical	5M00G7W	3.0	-28.0
E50. Mod ntirety.)	lation and Servio	ces (If t	he complete d	escription does not app	pear in this box, please	go to the end of	the form to view it in t
16 QAI	-,, <u>-</u> -,						
16 QAI							
16 QAI	2180	2200	R	Vertical	5M00G7W	0.0	0.0

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)
P1	Geostationary	N/A 2 180–2200	92.85/92.85	237.7	26.0	99.6	5.0	0.0
P2	Geostationary	2000–2020 2180–2200	92.85/92.85	237.7	26.0	99.6	5.0	-13.1
Р3	Geostationary	2000–2020 2180–2200	92.85/92.85	237.7	26.0	99.6	5.0	-21.9
P4	Geostationary	2000–2020 2180–2200	92.85/92.85	237.7	26.0	99.6	5.0	-14.0
P5	Geostationary	2000–2020 2180–2200	92.85/92.85	237.7	26.0	99.6	5.0	-21.9
P6	Geostationary	2000–2020 2180–2200	92.85/92.85	237.7	26.0	99.6	5.0	-28.0
E61. Call S E070290	ONTROL POIN Sign case enter the calls		l	702-	 . Phone Number -639–5188	1		

E62. Street Address 1 Aerojet Way			
E63. City North Las Vegas	E68. County Clark	E67/68. State/Country NV/ USA	E64. Zip Code 89030

#### 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).

In this Amendment, Applicant makes revisions to its Mobile Earth Terminal (MET) Application, IBFS File No. SES-LIC-20071203-01646, to remove duplicate entries and correct formatting errors in the Form 312, Schedule B, that were generated unintentionally in the data entry process. In addition, by way of this Amendment, ICO restates that its MET Application is intended to add authority to operate an ancillary terrestrial component (ATC) in connection with its 2 GHz Mobile Satellite Service (MSS) system. ICO has also filed an application to modify its LOI authorization to use ATC in conjunction with its MSS system, once operational. See IBFS File No. SAT-MOD-20071130-00167.