Date & Time Filed: Aug 4 2005 5:21:07:146PM File Number: SES-MOD-INTR2005-01755

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 to add terminal and to correct typographical errors

Legal Name of A	pplicant			
Name:	Satamatics, Inc.	Phone Number:	202-728-6283	
DBA Name:		Fax Number:		
Street:	P.O. Box 393	E–Mail:		
City:	Buckeystown	State:	MD	
Country:	USA	Zipcode:	21717 –	
Attention:	Mr Brian Hester			

9–16. Name of Contact Representative

Name: Marc Paul Phone Number: (202)429–6484

Company: Steptoe & Johnson LLP Fax Number: (202)429–3902

Street: 1330 Connecticut Avenue, NW E-Mail: mpaul@steptoe.com

City: Washington State: DC

Country: USA **Zipcode:** 20036–1795

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.

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

 $\ \ \, \bigcirc \ \, (N/A)$ b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

b5. Assignment of License or Registration

b6. Transfer of Control of License or Registration

(N/A) 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)

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).				
Governmental Entity Noncommercial 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 application enter both fields, if this filing is a modification please enter only the file number:				
(a) Call sign of station: E020074				
E020074		SESMOD2003112601728		

TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide	de 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	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: 1525 Frequency Upper: 1645	(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

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, aero aeronautical fixed radio station services are not required to respond to Items 30–34.	onautical en route or
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes O No
30. Is the applicant an alien or the representative of an alien?	ο Ves ο No ο N/Δ

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	0	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	•	No	0	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?	● Yes ● No ● 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.	Foreign Ownership
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	O No
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		ation 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.)

Satamatics, Inc. ('Satamatics') seeks to modify its title III authorization to provide the Inmarsat D+ service to customers in the United States. Satamatics is currently authorized to use mobile earth terminals ('MET') model numbers -- JUE-610 DT, DMR-200 and SAT 101-- manufactured by JRC, Skywave and Satamatics respectively. By this modification

Mod Description

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.)					
 Individual Unincorporated Association Partnership Corporation Governmental Entity Other (please specify) 					
45. Name of Person Signing Brian Hester >	46. Title of Person Signing President and COO				

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).

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 – Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY

Location of Earth St	ration Site					
E1: Site Identifier:	1	E5. Call Sign:	E020074			
E2: Contact Name	N/A	E6. Phone Number:	N/A			
E3. Street:	INMARSAT D+ METs in U.S.	E7. City:	N/A			
		E8. County:	N/A			
E4. State		E9. Zip Code				
E10. Area of Operat	tion:	N/A				
E11. Latitude:	0 °0 '0.0 "					
E12. Longitude:	0 °0 '0.0 "					
E13. Lat/Lon Coord	linates are:	O NAD-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.

E16. If the proposed antenna(s) do not operate in the Fixed Satellite Sex Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	posed antenna(s) comply with the antenna	O 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 recoordination 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? Compliance Report 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: OTHER OTHER If you selected OTHER, please e	nter the following:			
E21. Common Name: INMARSAT AOR-W	E22. ITU Name: N/A			
E23. Orbit Location: 54 WL	E24. Country: United Kingdom			
Satellite Name: OTHER OTHER If you selected OTHER, please e	nter the following:			

E21. Common Na	n Name: INMARSAT AOR-E			E22. ITU Name: N/A				
E23. Orbit Locati	ion: 15.5 WL			E24. Country:	United Kingdom			
Satellite Name: O	THER OTHER	If you selected	OTHER, please en	nter the following:				
E21. Common Na	ame: INMARSAT	POR		E22. ITU Name:	N/A			
E23. Orbit Locati	ion: 178 EL			E24. Country:	United Kingdom			
POINTS OF C	OMMUNICATION	ON (Destination	Points)					
E25. Site Identific	er: 1							
E26. Common Na	ame:INMARSAT	AOR-W		E27. Country:	USA			
E25. Site Identifie	er: 1							
E26. Common Na	ame:INMARSAT	Ltd2		E27. Country: USA				
E25. Site Identific	er: 1							
E26. Common Na	ame:INMARSAT	POR		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 atGHz)		
1	4	0	Satamatics	SAT-201	0.11	1.5 dBi at 1.5000		

1	4	0	Satamatics	SAT-201	0.11	5.3 dBi at 1.6000
1	3	0	Satamatics	SAT-101	0.11	1.5 dBi at 1.5000
1	3	0	Satamatics	SAT-101	0.11	5.3 dBi at 1.6000
1	2	0	Skywave	DMR-200	0.11	1.5 dBi at 1.5000
1	2	0	Skywave	DMR-200	0.11	6.5 dBi at 1.6000
1	1	25000	JRC	JUE-610 DT	0.11	1.5 dBi at 1.5000
1	1	25000	JRC	JUE-610 DT	0.11	6.5 dBi at 1.6000

Id		E35. Above Ground Level (meters)	E36. Above Sea Level(meters)	Height Above	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
4	0.0/0.0	0.0	0.0	0.0	1.0	0.0	9.0
3	0.0/0.0	0.0	0.0	0.0	1.0	0.0	9.0
2	0.0/0.0	0.0	0.0	0.0	1.8	0.0	9.0

Ĺ	0.0/0.0	0.0	0.0	0.0	1.8	0.0	9.0
REQUENCY					-		
Z28. Antenna Id	E43/44. Frequency Ban (MHz)	E45. T/R M	F46. Anter Polarizatio L,R)		. Emission ignator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density pe Carrier (dBW/4kHz)
	1525.0000 1544.0000	R	Right Hand Circular	d 2K5	0F1D	0.0	0.0
E50. Modulati	on and Services	(If the complete	description does not	appear in this l	box, please go	to the end of the form	n to view it in its
Concinuo	us phase 32-a	ry FSK, 20H	ız cone				
Continuo	1626.5000	ry FSK, 20H	Right Hand	d 2K5	0F1D	9.0	9.0
E50. Modulatintirety.)	1626.5000 1645.5000 on and Services	T (If the complete	Right Hand Circular description does not			9.0 o to the end of the form	
E50. Modulati	1626.5000 1645.5000 on and Services	T (If the complete	Right Hand Circular				

E50 Modulati	ion and Services (If the complete	description does not appear	in this box please	go to the end of t	the form to view it in its	
entirety.)	ion and services	ir the complete	description does not appear	in this box, picuse	go to the end of t	the form to view it in its	
	us phase 32-ar	ry FSK, 20	Hz tone				
3	1626.5000 1645.5000	Т	Right Hand Circular	2K50F1D	9.0	9.0	
entirety.)	FSK, 256Hz ton		description does not appear	in this box, please	go to the end of t	the form to view it in its	
2	1525.0000 1544.0000	R	Right Hand Circular	2K50F1D	0.0	0.0	
E50. Modulati entirety.)	ion and Services (If the complete	description does not appear	in this box, please	go to the end of t	the form to view it in its	1
Continuo	us phase 32-ar	ry FSK, 20H	z tone				
2	1626.5000 1645.5000	Т	Right Hand Circular	2K50F1D	9.0	9.0	

E50. Modulation entirety.)	and Services (In	f the complete d	escription does not appea	ar in this box, please	go to the end of t	the form to view it in its
2 level F	SK, 256Hz ton	e spacing,	symbol rates			
1	1525.0000 1544.0000	R	Right Hand Circular	2K50F1D	0.0	0.0
E50. Modulation entirety.) Continuous	and Services (I		escription does not appea	ar in this box, please	go to the end of t	the form to view it in its
1	1626.5000 1645.5000	Т	Right Hand Circular	2K50F1D	9.0	9.0
E50. Modulation entirety.) 2 level F3	n and Services (In		escription does not appear	nr in this box, please	go to the end of t	the 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)
4	Geostationary	1525.0000 1544.0000	15.5/15.5	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	54.0/54.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	178.0/178.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1626.5000 1645.5000	15.5/15.5	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	54.0/54.0	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	178.0/178.0	360.0	5.0	360.0	90.0	9.0
3	Geostationary	1525.0000 1544.0000	15.5/15.5	360.0	5.0	360.0	90.0	0.0

	Geostationary	1525.0000 1544.0000	54.0/54.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	178.0/178.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1626.5000 1645.5000	15.5/15.5	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	54.0/54.0	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	178.0/178.0	360.0	5.0	360.0	90.0	9.0
2	Geostationary	1525.0000 1544.0000	15.5/15.5	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	54.0/54.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	178.0/178.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1626.5000 1645.5000	15.5/15.5	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	54.0/54.0	360.0	5.0	360.0	90.0	9.0

	Geostationary	1626.5000 1645.5000	178.0/178.0	360.0	5.0	360.0	90.0	9.0
1	Geostationary	1525.0000 1544.0000	15.5/15.5	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	54.0/54.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1525.0000 1544.0000	178.0/178.0	360.0	5.0	360.0	90.0	0.0
	Geostationary	1626.5000 1645.5000	15.5/15.5	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	54.0/54.0	360.0	5.0	360.0	90.0	9.0
	Geostationary	1626.5000 1645.5000	178.0/178.0	360.0	5.0	360.0	90.0	9.0

REMOTE CONTROL POINT LOCATION

E61. Call Sign	E66. Phone Number
NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.	
E62. Street Address	

E63. City	E68. County	E67/68.	E64. Zip Code
		State/Country	_
		/	

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).

Satamatics, Inc. ('Satamatics') seeks to modify its title III authorization to provide the Inmarsat D+ service to customers in the United States. Satamatics is currently authorized to use mobile earth terminals ('MET') model numbers -- JUE-610 DT, DMR-200 and SAT 101-- manufactured by JRC, Skywave and Satamatics respectively. By this modification application, Satamatics seeks to add another MET manufactured by Satamatics -- model number SAT 201. By this modification application, Satamatics is not seeking to increase the number of terminals that it is authorized for; rather, it seeks to use the additional terminal as part of the 25,000 terminals for which it is already authorized. In addition, by this modification application, Satamatics seeks to correct several typographical errors set forth in its authorization.