Approved by OMB 3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu: STA Request for Earth Station E040125 to Provide LEOP Services for Galaxy 18 Satellite Launch

Name:

Intelsat North America LLC

c/o Intelsat Corporation

Street:

DBA Name:

3400 International Drive, N.W.

Washington

State: Zipcode:

USA

City:

Attention: Country:

Susan H Crandall

Phone Number:

Fax Number:

E-Mail:

202-944-7848

202-944-7870

susan.crandall@intelsat.com

DC

20008 -3006

Mic #SES-STA-2008 0331-00 403

Call Sign FOHO135 Grant Date 4184108

(or other identifier)

Term Dates

Spring Heavet & Springs

2. Contact			
Name:	Intelsat North America LLC	Phone Number:	202-944-7848
Company:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation	E-Mail:	susan.crandall@intelsat.com
	3400 International Drive, N.W.		
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H Crandall	Relationship:	Legal Counsel
(If your application is related to an application application. Please enter only one.) 3. Reference File Number or Submission ID	(If your application is related to an application filed with the Commission, enter either the file number or application. Please enter only one.) 3. Reference File Number or Submission ID	: Commission, enter	either the file number or the IB Submission ID of the related
 4a. Is a fee submitted with this application? If Yes, complete and attach FCC Form 159. Governmental Entity O Noncommercial Other(please explain): 	rith this application? ttach FCC Form 159. Noncommercial e	icate reason for fee Hicensee	If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114). ducational licensee
4b. Fee Classification	CGX - Fixed Satellite Transmit/Receive Earth Station	ceive Earth Station	
5. Type Request			
O Use Prior to Grant	O Chang	O Change Station Location	Other
6. Requested Use Prior Date	Date	·	
7. CityNuevo		8. Latitude (dd mm ss.	8. Latitude (dd mm ss.s h) 33 47 43.6 N

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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.	oplicant nor any efits pursuant to possession or depossession and application&q	ed certifies that neither apts that includes FCC ben ause of a conviction for ing of "party to the	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 of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance at 7 CFR 1.2002(b) for the meaning of " party to the application" for these purposes.	13. B subjection of 191 See 4
nt of STA for 30 days, from 05/13/2008 rnia earth station, E040125, to provide s expected to be launched on 05/13/2008.	lests a grant of	North America LLC herein requests 06/11/2008, to use its Riverside, vices for the Galaxy 18 satellite	Intelsat North America LLC herein requests a grant of STA : through 06/11/2008, to use its Riverside, California earth LEOP services for the Galaxy 18 satellite that is expected	Грен
(If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)	ar in this box, p	lescription does not appe	12. Description. (If the complete d	12. D
Attachment 3:	Attachment 2: Exhibit A	•	 Please supply any need attachments Attachment 1: STA Request 	Attac
10. Longitude (dd mm ss.s h) 117 5 20.4 W	10. (dd		9. State CA	9. Sta

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DO NOT SEND COMPLETED FORMS TO THIS ADDRESS your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept 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 searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions

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1, 1995, 44 U.S.C. SECTION 3507. THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER

March 31, 2008

TASJ3TNI

Ms. Marlene H. Dortch Secretary Federal Communications Commission 445 12th Street, S.W.

445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Riverside, California Earth Station E040125

Dear Ms. Dortch:

Intelsat Morth America LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA") for 30 days, from May 13, 2008 through June 11, 2008, to use its Riverside, California earth station — call sign E040125 — to provide launch and early orbit phase ("LEOP") services for the Galaxy 18 satellite that is expected to be launched on May 13, 2008.² The LEOP period is expected to last approximately ten days.³

Dands: Densitions will be performed in the following frequency

- 5926.5 MHz and 6424.5 MHz in the uplink;
- 4197.125 MHz and 4198.875 MHz in the downlink.

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

Intelest has filed its STA request, an FCC Form 159, a \$170.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

² The permanent orbital location for Galaxy 18 is 123.0° W.L. See Policy Branch Information; Actions Taken, Report No. SAT-00477, File No. SAT-RPL-20070222-00035 (Oct. 26, 2007) (Public Notice).

Intelsat is seeking authority through June 11, 2008 to accommodate a possible

launch delay. 'SS/L Loral, which is managing the Galaxy 18 launch mission, is conducting the coordination.

Intelsat Corporation

3400 International Drive NW, Washington DC 20008-3006 USA www.intelsat.com T+1 202-944-6800 F+1 202-944-7898

Ms. Marlene H. Dortch March 31, 2008 Page 2

The 24x7 contact information for the Galaxy 18 LEOP mission is as follows:

East Coast Satellite Operations Center Attn: Harry Burnham or Mike Munion Ph.: (202) 944-7701

During the LEOP of the Galaxy 18 satellite, the earth station will operate in accordance with parameters previously coordinated with the Fixed Service, as reflected in the current license for this antenna.⁵ Intelast is seeking the instant STA because the operational parameters, provided as Exhibit A of this application, will exceed the power level limit set forth in Section 25.212(d) of the Commission's rules.

Grant of this STA request will allow intelest to help launch the Galaxy 18 satellite to the 123.0° W.L. location. This, in turn, will help ensure continuity of services at that location.

Please direct any questions regarding this STA request to the undersigned at (202) 944-7848.

Respectfully submitted,

Susan H. Crandall Assistant General Counsel

Cc: Scott Kotler

Intelsat Corporation

5 See File number SES-MOD-20070427-0052.

	<u> </u>
Schedule B	
7	5
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EXI	
EXHIBIT A	
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Page 1: Location

APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FEDERAL COMMUNICATIONS COMMISSION Technical and Operational Description)

	License of New Station	
Receive-Only Station	Registration of new Domestic	
-	License of New Station Registration of new Domestic Armendment to a Pending Application X Modification of License/Registration	(Place an "X" in one of the blocks below)
	Notification of Minor Modification	

П

Bla. Station Call Sign B1. Location of Earth Station Site. If temporary-fixed, mobile, or VSAT remote facility, specify area of operation and point of contact. If VSAT hub station, give its location Bld. Mailing Street Address of Station or Area of Operation 22401 Juniper Flats Road Blb. Site identifier (HUB, REMOTE1, etc.) For VSAT networks attach individual Schedule B, Page 1 sheets for each hub station and each remote station. Individually provide the Location, Points of Communications, and Destination Points for each hub and remote station. Ble. Name of Contact Person Angela Maimo Blc. Telephone Number (202) 944 – 7523 Blj. Geographic Coordinates 3 Geographic Coordinates N/S, Deg. - Min. - Sec. - E/W 33° 117° 05,17 43.6" 20.4" ≨Z B1k. Lat./Lon. Coordinates are: X NAD-83 NAD-27

Bif. City Nuevo B2. Points of Communications: Blg. County Riverside List the names and orbit locations of all satellites with which this earth station will communicate. The entry "ALSAT" is sufficient to identify the names and locations of all satellite facilities licensed by the U.S. All non-U.S. licensed satellites must be listed individually. B1h. State CA B1i. Zip Code 92567 B11. Site Elevation (AMSL) 566,62 meters

Galaxy-18 LEOP Satellite Name and Orbit Location Satellite Name and Orbit Location Satellite Name and Orbit Location

B3. Destination points for communications using non-U.S. licensed satellites. For each non-U.S. licensed satellite facility identified in section B2 above, specify the destination nointle) (countries) where the services will be provided by this earth station via each pon-ITS licensed satellite system. The additional cheate as needed

point(s) (countries) where the services will	point(s) (countries) where the services will be provided by this earth station via each non-U.S. needs satellite system. Ose additional survival as accounts
Satellite Name	List of Destination Points
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APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B: (Technical and Operational Description) FEDERAL COMMUNICATIONS COMMISSION

B4. Earth Station Antenna Facilities: Use additional pages as needed.

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		-				(a) Antenna ID**		B5. Antenna H	 · · · · · · · · · · · · · · · · · · ·					And the same of th	······································		<	(a) Site ID*
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		minary (contract of the contract of the contra			0.28	antenna flange (Watts)	(g) Lotal input	B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)					many of the state	-				(f) Antenna Size (meters)
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Notes:

- If this is an application for a VSAT network, identify the site (Item B1b, Schedule B, Page 1) where each antenna is located. Also include this Site-ID on Schedule B, Page 5. Identify each antenna in VSAT network or multi-antenna station with a unique identifier, such as HUB, REMOTE1, A1, A2, 10M, 12M, 7M, etc. Use this same antenna ID throughout tables B4, B5, B6, and B7 when referring to the same antenna.
- Attach sketch of site or exemption, See 47 CFR Part 17.

APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FEDERAL COMMUNICATIONS COMMISSION

FCC Form 312 - Schedule B: (Technical and Operational Description)

B6. Frequency Coordination Limits: Use additional pages as needed.

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																						(a) Antenna ID*
												The state of the s	The state of the s		**************************************		Accessing to contain the second community of the second containing	6420.5-6425.0	5925. 0 -5929.5	де до на под на при дене на под н	and the second of the second o	(b) Frequency Limits (MHz)
		, A	•																*			(c) Range of Satellite Arc Eastern Limit**
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Notes:

Provide the ANTENNA-ID from table B4 to identify the antenna to which each frequency band and orbital arc range is associated.

If operating with geostationary satellites, give the orbital arc limits and the associated elevation and azimuth angles. If operating with non-geostationary satellites, give the notation "NON-GEO" for the satellite arc and give the minimum operational elevation angle and the maximum azimuth angle range.

APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FEDERAL COMMUNICATIONS COMMISSION

FCC Form 312 - Schedule B: (Technical and Operational Description)

B7. Particulars of Operation (Full particulars are required for each r.f. carrier): Use additional pages as needed.

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) T/R Mode	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum EIRP per Carrier (dBW)	(g) Maximum EIRP Density per Carrier	(h) Description of Modulation and Services
	(171,1544)	***	لابه در فهرا	Designates	Carrier (up w)	(dBW/4kHz)	
	5926.5	T	R,L,V,H	800KFXD	84.6	61.4	TT&C Carrier
	6424.5	-	R,L,V,H	800KFXD	84.6	61.4	TT&C Carrier
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ide the AN LENNA-ID from table B4 to identify the anterina to which each frequency band and emission is associated. For VSAT networks, include frequencies and emissions for all HUB and

Indicate whether the earth station transmits or receives in each frequency band.

FEDERAL COMMUNICATIONS COMMISSION APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B: (Technical and Operational Description)

If VSAT Network, provide the SITE-ID (Item B1b) of the station that B8-B13 are in response to (HUB, REMOTE1, etc.):

¥	B13. F V	B12. is	B11. Is						B10. Is	B9. If i (FS Sec	B8. If i
FAILURE TO COMPLY WITH 47 CFT PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION	B13. FAA Notification - (See 47 CFT Part 17and 47 CFT 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 notential hazard of the structure to aviation?	B12. Is coordination with another country required? If YBS, attach the name of the country(ies) and plot of coordination contours as an exhibit.	B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.		B10f. Telephone Number	B10b. City	B10a. Street Address	Remote Control Point Location:	B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	B9. 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 measurement?	B8. 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 measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.
17 AND 25 WILL RESULT IN THE RETUI	t 25.113(c)) sched a copy of a completed FCC Form 854	ich the name of the country(ies)	ency coordination report as an exhibit.		B10g. Call Sign of Control Station (if appropriate)	B10c. County B1			the location and telephone number of the control po	ite Service (FSS), or if they operate in the Fixed Sat I antenna(s) comply with the antenna gain patterns s urer's qualification measurement?	vice (FSS) with geostationary satellites, do(es) the p 5.209(a) and (b) as demonstrated by the manufactur alysis showing compliance with two-degree spacing
RN OF THIS APPLIC/					Station (if appropriate)	B10.d. State/Country			oint.	ellite Service pecified in	proposed antenna(s) er's qualification policy.
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