

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Request for Special Temporary Authority for Paumalu, Hawaii C-band Earth Station KA270

1. Applicant

<b>Name:</b>	Intelsat North America LLC	<b>Phone Number:</b>	202-944-7848
<b>DBA Name:</b>		<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	c/o Intelsat Corporation 3400 International Drive, N.W.	<b>E-Mail:</b>	susan.crandall@intelsat.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20008 -3006
<b>Attention:</b>	Susan H Crandall		

*With Conditions*



File # SES-STA-20100830-01104

Call Sign KA270 Grant Date 9/2/2010  
(or other identifier)

Term Dates  
From 9/2/2010 To: 10/1/2010

Approved: 

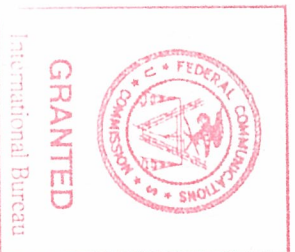
Attachment


SES-STA-20100830-01104  
KA270

Conditions:

1. Earth stations is authorized to communicate with JCSAT 2A in the conventional C-band, only under the following conditions, (a) In the future, should the Commission authorize access to the U.S. market by a satellite that is two-degree spacing compliant, and is located as close as two-degrees from a JCSAT 2A satellite, JCSAT 2A satellite operator would be expected to coordinate, in good faith, with the licensee of this satellite. (b) If a coordination agreement is not reached, Licensee's operation of JCSAT 2A must be on a non-harmful interference basis relative to U.S. services being provided by the compliant satellite. (c) If a coordination agreement is not reached, these satellite networks shall not cause harmful interference to, nor shall operators accessing these satellite networks claim protection from, U.S. services provided over U.S.-authorized satellite networks, and/or U.S.-authorized services provided over non-U.S.-authorized satellite networks that are providing service to the United States that are compliant with the Commission's two-degree spacing rules. (d) In addition, operation of JCSAT 2A in the conventional C-band, shall cease immediately upon notification of harmful interference. Complaints of all radio interference shall be forwarded to the Commission in writing.
2. All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat North America LLC shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.

*With Conditions*



File # SES-STA-20100830-01104  
Call Sign KA270 Grant Date 9/2/2010  
(or other identifier)  
Term Dates  
From 9/2/2010 To: 10/1/2010  
Approved: 

<b>2. Contact</b>	
<b>Name:</b> Jennifer D. Hindin <b>Company:</b> Wiley Rein LLP <b>Street:</b> 1776 K Street, N.W.  <b>City:</b> Washington <b>Country:</b> USA <b>Attention:</b>	<b>Phone Number:</b> 202-719-4975 <b>Fax Number:</b> 202-719-7207 <b>E-Mail:</b> jhindin@wileyrein.com  <b>State:</b> DC <b>Zipcode:</b> 20006 - <b>Relationship:</b> Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification    CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Paumalu	8. Latitude (dd mm ss.s h) 21 40 24.0 N

9. State HI	10. Longitude (dd mm ss.s h) 158 2 16.0 W
11. Please supply any need attachments. Attachment 1: STA Request                      Attachment 2: Exhibit A                      Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">Intelsat North America LLC herein requests a grant of Special Temporary Authority for 30 days, beginning September 2, 2010 to utilize its Paumalu, Hawaii C-band earth station to communicate with the JSAT-2A satellite -- which is licensed by Japan -- at 154 E.L. prior to grant of permanent operating authority.</div>	
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. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Asst. General Counsel, Intelsat Corporation
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).	

**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.

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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.**



August 30, 2010

Ms. Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

Re: Request for Special Temporary Authority  
Paumalu, Hawaii C-band Earth Station KA270

Dear Ms. Dortch:

Intelsat North America LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, beginning September 2, 2010 to utilize its Paumalu, Hawaii C-band earth station to communicate with the JSAT-2A satellite -- which is licensed by Japan -- at 154° E.L. prior to grant of permanent operating authority. The antenna will utilize the frequency bands 3700-4200 MHz and 5925-6425 MHz. Intelsat will shortly file a request to modify the KA270 license to communicate with JSAT-2A in these bands on a permanent basis.

Grant of this request is in the public interest because it will allow Intelsat to provide communications services to the U.S. Government in the Pacific Ocean region. Because the U.S. Government services are scheduled to commence on this antenna on September 2, 2010, Intelsat respectfully requests expedited treatment of this STA request.

In support of this request, Intelsat attaches as Exhibit A hereto the specific technical parameters of the proposed transmissions to JSAT-2A. Grant of this request will not result in harmful interference into any lawfully operating facility. The KA270 antenna already is licensed to provide communications services in the above referenced frequencies and the technical parameters of the proposed transmissions to JSAT-2A are consistent with the antenna’s licensed parameters.<sup>2</sup> In addition, the 154° E.L. orbital location of the JSAT-2A satellite is within the coordinated arc for this antenna.<sup>3</sup> In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> See File No. SES-RWL-20090129-00096.

<sup>3</sup> See *id.*

Ms. Marlene H. Dortch  
August 30, 2010  
Page 2

Earth station applicants seeking to access a foreign-licensed satellite must demonstrate that “U.S.-licensed satellites have effective competitive opportunities to provide analogous services in” the “country in which the non-U.S.-licensed space station is licensed.”<sup>4</sup> Although the JSAT-2A satellite is not on the Commission’s Permitted Space Station List, the Commission previously has authorized the satellite as a point of communication for a U.S. earth station.<sup>5</sup> In addition, a Japanese-licensed satellite – Horizons 1 – is on the Permitted Space Station List.<sup>6</sup> Intelsat incorporates herein by reference the information previously filed with the Commission regarding the JSAT-2A satellite,<sup>7</sup> as well as access by foreign-licensed satellites to the Japanese market.<sup>8</sup> Because the required information previously has been filed, and to the extent necessary, Intelsat respectfully requests a waiver of Sections 25.137 and 25.114 of the Commission’s rules.<sup>9</sup>

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

Respectfully submitted,

/s/ Susan H. Crandall

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Paul Blais  
Jeanette Spriggs

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<sup>4</sup> See 47 C.F.R. § 25.137(a)(1).

<sup>5</sup> See File No. SES-LIC-20030418-00503.

<sup>6</sup> See *Horizons Satellite LLC Petition for Declaratory Ruling to Add Horizons 1 to the Permitted Space Station List*, Order, 18 FCC Rcd 24,745, 24,748 (¶ 8) (2003) (“We conclude that Horizons 1’s proposed entry for purposes of offering fixed-satellite services, excluding DTH, will enhance competition for these services in the U.S. market.”). See also *Horizons Satellite LLC Application for Modification of Permitted List Authorization*, Order and Authorization, 19 FCC Rcd 20,349 (2004).

<sup>7</sup> See File No. SES-LIC-20030418-00503.

<sup>8</sup> See File No. SAT-PDR-20030210-00015 (requesting FSS market access for Horizons 1).

<sup>9</sup> 47 C.F.R. §§ 25.137 and 25.114.

**EXHIBIT A**

**FCC 312**  
Schedule B

**Page 1: Location**

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

(Place an "X" in one of the blocks below)

- STA REQUEST     Registration of new Domestic Receive-Only Station     Amendment to a Pending Application     Modification of License/Registration     Notification of Minor Modification

**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. 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.

**SAME AS IN LICENSE (CALL SIGN KA270)**

**B2. Points of Communications:** 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.

Satellite Name and Orbit Location	Satellite Name and Orbit Location	Satellite Name and Orbit Location
JCSAT-2A @ 154°E.L.		

**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 point(s) (countries) where the services will be provided by this earth station via each non-U.S. license satellite system. Use additional sheets as needed.

Satellite Name	List of Destination Points



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

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

(a) Site ID*	(b) Antenna ID**	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna Size (meters)	(g) Antenna Gain Transmit and/or Receive (____ dBi at ____ GHz)
SAME AS IN LICENSE (CALL SIGN KA270)						

**B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)**

(a) Antenna ID**	(b) Antenna Structure Registration No.	Maximum Antenna Height		(e) Building Height Above Ground Level (meters)***	(f) Maximum Antenna Height Above Rooftop (meters)***	(g) Total Input Power at antenna flange (Watts)	(h) Total EIRP for all carriers (dBW)
		(c) Above Ground Level (meters)	(d) Above Mean Sea Level (meters)				
SAME AS IN LICENSE (CALL SIGN KA270)							

- 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.

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

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

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) Range of Satellite Arc Eastern Limit**	(d) Range of Satellite Arc Western Limit**	(e) Antenna Elevation Angle Eastern Limit	(f) Antenna Elevation Angle Western Limit	(g) Earth Station Azimuth Angle Eastern Limit	(h) Earth Station Azimuth Angle Western Limit	(i) Maximum EIRP Density toward the Horizon (dBW/4kHz)
SAME AS IN LICENSE (CALL SIGN KA270)								

- 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.

**FEDERAL COMMUNICATIONS COMMISSION**  
**APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS**  
**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 (dBW/4kHz)	(h) Description of Modulation and Services
	6308-6362	T	H, V	4M20G7W	63	32.79	Digital data and video
	6308-6362	T	H, V	3M87G7W	63	33.14	Digital data and video
	6308-6362	T	H, V	7M74G7W	66	30.13	Digital data and video
	6308-6362	T	H, V	2M00G7W	59	32.01	Digital data and video
	6308-6362	T	H, V	3M00G7W	59	30.2	Digital data and video
	6308-6362	T	H, V	5M53G7W	66	34.59	Digital data and video
	4083-4137	R	V,H	4M20G7W	-	-	Digital data and video
	4083-4137	R	V,H	3M87G7W	-	-	Digital data and video
	4083-4137	R	V,H	7M74G7W	-	-	Digital data and video
	4083-4137	R	V,H	2M00G7W	-	-	Digital data and video
	4083-4137	R	V,H	3M00G7W	-	-	Digital data and video
	4083-4137	R	V,H	5M53G7W	-	-	Digital data and video

**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.): \_\_\_\_\_

B8. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with <b>geostationary</b> 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.	<input checked="" type="checkbox"/>	<b>YES</b>	<input type="checkbox"/>	<b>NO</b>															
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 <b>non-geostationary</b> 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?	<input type="checkbox"/>	<b>YES</b>	N/A	<input type="checkbox"/>	<b>NO</b>														
B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input type="checkbox"/>	<b>YES</b>	<input checked="" type="checkbox"/>	<b>NO</b>															
<b>Remote Control Point Location:</b>																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="5" style="padding: 2px;">B10a. Street Address</td> </tr> <tr> <td style="width:33%; padding: 2px;">B10b. City</td> <td style="width:20%; padding: 2px;">B10c. County</td> <td style="width:20%; padding: 2px;">B10.d. State/Country</td> <td colspan="2" style="padding: 2px;">B10e. Zip Code</td> </tr> <tr> <td style="padding: 2px;">B10f. Telephone Number</td> <td colspan="4" style="padding: 2px;">B10g. Call Sign of Control Station (if appropriate)</td> </tr> </table>					B10a. Street Address					B10b. City	B10c. County	B10.d. State/Country	B10e. Zip Code		B10f. Telephone Number	B10g. Call Sign of Control Station (if appropriate)			
B10a. Street Address																			
B10b. City	B10c. County	B10.d. State/Country	B10e. Zip Code																
B10f. Telephone Number	B10g. Call Sign of Control Station (if appropriate)																		
B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.	<input type="checkbox"/>	<b>YES</b>	<input type="checkbox"/>	<b>NO</b>															
<i>See Note 1</i>																			
B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.	<input type="checkbox"/>	<b>YES</b>	<input checked="" type="checkbox"/>	<b>NO</b>															
B13. <b>FAA Notification - (See 47 CFT Part 17 and 47 CFT Part 25.113(c))</b> <b>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? EXISTING FACILITY</b> <b>FAILURE TO COMPLY WITH 47 CFT PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION</b>	<input type="checkbox"/>	<b>YES</b>	<input checked="" type="checkbox"/>	<b>NO</b>															

**Note 1.** The coordination information in the current KA270 license will fully cover the proposed operations with JCSAT-2A.