

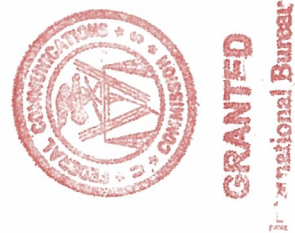
APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA Request for Earth Station E4132

1. Applicant

<b>Name:</b>	Intelsat License 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		

SES-STA-20120717-00656  
E4132  
Call Sign: E4132  
(or other identifier)  
From: 8-2-12  
Grant Date: 8-1-12  
Term Dates: 8-1-12  
To: 8-1-12  
Approved: [Signature]



Applicant: Intelsat License LLC  
Call Sign: E4132  
File No.: SES-STA-20120717-00656  
Special Temporary Authority (STA)

Intelsat is granted, under the following conditions, Special Temporary Authority for 30 days, from August 2, 2012 through September 1, 2012 to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase (LEOP) services to the HYLAS 2 satellite. The in-orbit test will be conducted at 31.0° E.L. The satellite is expected to be launched on August 2, 2012.

1. Uplink to HYLAS 2 on 6723.75 MHz and 7026.25 MHz (LHCP) within coordinated emission and power limits.
2. Downlink from HYLAS 2 on 4198.0 MHz and 4199.0 MHz (RHCP) .
3. The LEOP operations must be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. 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. Currently the 24x7 contact information for the HYLAS 2 LEOP mission is as follows: Ph.: (202) 944-7701 - East Coast Operations Center (primary); (310) 525-5900 - West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell
4. All operations shall be on an unprotected and non-harmful interference basis, Intelsat License LLC, E4132, 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.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
6. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately



**GRANTED**  
National Bureau

SES-STA-20120717-00656  
E4132  
Call Sign  
(or other identifier)  
Grant Date 8-1-12  
Term Expires 9-1-12  
From 8-2-12  
Approved [Signature]

<b>2. Contact</b>			
<b>Name:</b>	Susan H. Crandall	<b>Phone Number:</b>	202-944-7848
<b>Company:</b>	Intelsat Corporation	<b>Fax Number:</b>	202-944-7870
<b>Street:</b>	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	<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 Fillmore			
8. Latitude (dd mm ss.s h) 34 24 22.0 N			

9. State CA	10. Longitude (dd mm ss.s h) 118 53 34.0 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Exhibit A Attachment 3: Exhibit B	
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;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, from August 2, 2012 through August 31, 2012, to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services to the Hylas 2 satellite that is expected to be launched on August 2, 2012.</p> </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. <p style="text-align: center;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>	
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**

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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.**

## Exhibit A

### PETITION FOR WAIVER OF SECTIONS 25.137 AND 25.114

Pursuant to Section 25.137 of the Federal Communications Commission's ("Commission" or "FCC") rules, earth station applicants "requesting authority to operate with a non-U.S. licensed space station *to serve the United States*" must demonstrate that effective competitive opportunities exist and must provide the same technical information required by Section 25.114 for U.S.-licensed space stations.<sup>1</sup> Intelsat License LLC ("Intelsat") herein seeks authority to provide launch and early orbit phase ("LEOP") services -- not commercial services -- to the United States, and thus believes that Section 25.137 does not apply.

To the extent the Commission determines, however, that Intelsat's request for authority to provide LEOP services on a special temporary basis is a request to serve the United States with a non U.S.-licensed satellite, Intelsat respectfully requests a waiver of Sections 25.137 and 25.114 of the Commission's rules.<sup>2</sup> The Commission may grant a waiver for good cause shown.<sup>3</sup> The Commission typically grants a waiver where the particular facts make strict compliance inconsistent with the public interest.<sup>4</sup> In granting a waiver, the Commission may take into account considerations of hardship, equity, or more effective implementation of overall policy on an individual basis.<sup>5</sup> Waiver is therefore appropriate if special circumstances warrant a deviation from the general rule, and such a deviation will serve the public interest.

In this case, good cause exists for a waiver of both Section 25.137 and Section 25.114. With respect to Section 25.114, Intelsat seeks authority only to provide LEOP services for the Hylas 2 satellite. The information sought by Section 25.114 is not relevant to LEOP services. Moreover, Intelsat does not have such information because Intelsat is not the operator of the Hylas 2 satellite. Rather, an affiliate of Intelsat has a contract with Orbital Sciences, the manufacturer and operator of the Hylas 2 satellite, to conduct LEOP services for the satellite.

The information that Intelsat is not including is not required to determine potential harmful interference. The Schedule S information for this satellite would pertain to the operation of the Hylas 2 satellite at its final orbital location. However, the present application for LEOP services involves communications *prior* to the satellite attaining its final location in the geostationary orbit. In other words, during the LEOP mission, the earth station will not be communicating with a satellite located in the geostationary orbit. Rather, it will be transmitting to a satellite traveling on its "transfer orbit" or "LEOP

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<sup>1</sup> 47 C.F.R. § 25.137 (emphasis added).

<sup>2</sup> 47 C.F.R. §§ 25.137 and 25.114.

<sup>3</sup> 47 C.F.R. §1.3.

<sup>4</sup> *N.E. Cellular Tel. Co. v. FCC*, 897 F.2d 1164, 1166 (D.C. Cir. 1990) ("*Northeast Cellular*").

<sup>5</sup> *WAIT Radio v. FCC*, 418 F.2d 1153, 1159 (D.C. Cir. 1969); *Northeast Cellular*, 897 F.2d at 1166.

path”, which starts immediately following its separation from a launch vehicle, and ends when the satellite reaches its geostationary orbital location. Moreover, as with any STA, Intelsat will perform the LEOP services on a non-interference basis.

Because it is not relevant to the service for which Intelsat seeks authorization, and because Intelsat does not possess the information, Intelsat seeks a waiver of all the information required by Section 25.114. Intelsat has provided in this STA request the required technical information that is relevant to the LEOP services for which Intelsat seeks authorization.

Good cause also exists to waive Section 25.137. Section 25.137 is designed to ensure that “U.S.-licensed satellite systems have effective competitive opportunities to provide analogous services” in other countries. Here, there is no service being provided by the satellite; it is simply being placed in its orbital location after separating from the launch vehicle. Thus, the purpose of the information required by Section 25.137 is not implicated here. For example, Section 25.137(d) requires earth station applicants requesting authority to operate with a non-U.S.-licensed space station that is not in orbit and operating to post a bond.<sup>6</sup> The underlying purpose in having to post a bond—*i.e.*, to prevent warehousing of orbital locations by operators seeking to serve the United States—would not be served by requiring Intelsat to post a bond in order to provide approximately ten days of LEOP services to the Hylas 2 satellite.

It is Intelsat’s understanding that Hylas 2 is licensed by the United Kingdom, which is a WTO-member country. It is also Intelsat’s understanding that Hylas 2 will not serve the United States. Thus, the purposes of Section 25.137—to ensure that U.S. satellite operators enjoy “effective competitive opportunities” to serve foreign markets and to prevent warehousing of orbital locations serving the United States—will not be undermined by grant of this waiver request.

Finally, Intelsat notes that it expects to operate with the Hylas 2 satellite using its U.S. earth station for a period of approximately ten days. Requiring Intelsat to obtain copious technical and legal information from an unrelated party, where there is no risk of harmful interference and the operations will cease after approximately ten days, would pose undue hardship without serving underlying policy objectives. Given these particular facts, the waiver sought herein is plainly appropriate.

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<sup>6</sup> See 47 C.F.R. §25.137(d)(4).

Prepared By

**COMSEARCH**

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

Prepared For

**Intelsat License LLC  
FILLMORE, CALIFORNIA**

Temporary Transmit-Only Earth Station  
Operation Dates: 07/20/2012 - 09/20/2012

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations. Verbal and written coordination was conducted with the below listed carriers on July 9, 2012.

Company

3G Wireless, LLC  
ABC Holding Company Inc.  
AERIAL VIDEO SYSTEMS  
ALASCOM, INC.  
AT&T California  
Ascent Media Network Services, LLC  
BROADCAST COMMUNICATIONS INC  
Bellsouth Telecommunications, Inc.  
BFI Licenses, LLC  
Board of Trustees for San Diego Univ  
Borgeson, Tom R.  
Broadcast Sports Inc.  
CBS Broadcasting Inc  
CNG Communications, Inc.  
CP Communications PA, LLC  
COCOLA BROADCASTING COMPANIES LLC  
COWLES CALIFORNIA MEDIA COMPANY  
Carolina Telephone and Telegraph Co  
Casper, John  
CenturyTel of the Southwest, Inc.  
Channel 51 of San Diego, Inc.  
Chicago Comnet Corp  
Cincinnati Bell Wireless LLC  
Citywide News Network, Inc.  
Cohen, Elana  
Community TV of Southern California  
Cowboys Stadium LP  
DCI II, INC.  
DIOCESE OF FRESNO EDUCATION CORP.  
Direct Broadcast Services, Inc.



Company (Continued)

ELLIS COMMUNICATIONS KDOC LICENSEE, LLC  
ENTRAVISION HOLDINGS, LLC  
FOX TELEVISION STATIONS, INC.  
Federal Communications Commission  
Fisher Broadcasting - California TV LLC  
Fishman Brothers Enterprises  
GOODYEAR TIRE AND RUBBER COMPANY  
GSN New, Inc  
GULF-CALIFORNIA BROADCAST COMPANY  
HERO LICENSECO LLC  
HF Enterprises, Inc  
Hallco Unlimited, Inc.  
Hawaiian Telcom, Inc.  
Heiden Mr., William  
High Plains Broadcasting License Company  
INDIANA BELL TELEPHONE COMPANY INC  
Illinois Bell Telephone Company  
Information & Display Systems, Inc.  
Information Super Station, LLC  
International Communications Group, Inc.  
JOURNAL BROADCAST CORPORATION  
KFSN TELEVISION, LLC  
KFTV License Partnership GP  
KMEX License Partnership GP  
KRCA License, LLC  
KSBY Communications Inc  
KSLs INC  
KSWB INC  
KTLA INC  
KUVI LICENSE PARTNERSHIP, G.P.  
KVMD LICENSEE CO, LLC  
Kentucky RSA #3 Cellular General Partner  
Kentucky RSA #4 Cellular General Partner  
LOS ANGELES TELEVISION STATION KCAL LLC  
MERCURY COMMUNICATIONS  
MIDWEST TELEVISION INC.  
MORONGO BASIN TV CLUB INC  
Metro Networks Communications, Inc  
Metrosat Communications Inc..  
Michigan Bell Telephone Company  
Moreen, Steven K  
NBC TELEMUNDO LICENSE LLC  
NEW ENGLAND DIGITAL DISTRIBUTION, INC.  
NEW ENGLAND SATELLITE SYSTEMS INC  
NSM Surveillance  
Navajo Communications Company  
NorthWest Suburbs Community Access Corp  
Ohio Bell Telephone Company  
On Scene Video Production  
Onboard Images

Company (Continued)

Penn Service Microwave Co., Inc.  
Plateau Telecommunications, Inc.  
Plum TV, LLC  
Production & Satellite Services, Inc.  
Public Television Communications Center  
QUICK LINK CONNECTIONS INC  
QWEST CORPORATION  
RAUL AND CONSUELO PALAZUELOS  
RCC Minnesota Inc. - MN NE ND SD  
REMOTE FACILITIES CONSULTING SERVICES  
RF Central, LLC  
RF Film, Inc  
RF Technology, LLC  
Radiofone, Inc.  
Randy Hermes Production  
Regulus Media Services, Inc.  
Remote Broadcasts, Inc.  
STATION VENTURE OPERATIONS, LP  
San Bernardino Community Col Dis KVCR-TV  
Scripps Media, Inc.  
Smith Media License Holdings, LLC (KEYT)  
Southwestern Bell Telephone L.P.  
Speedshotz, Inc  
TELEFUTURA FRESNO LLC  
TTBG/KMPH LICENSE SUB, LLC  
Telefutura Bakersfield LLC  
Telefutura Los Angeles LLC - KFTR-TV  
Total RF Marketing Inc  
Trinity Broadcasting Network Inc  
Trinity Christian Center of Santa Ana  
UNA VEZ MAS SANTA MARIA LICENSE, LLC  
UNIVISION BAKERSFIELD LLC  
Unisat, Inc.  
United Telephone - Southeast  
VERIZON SOUTH INC.  
Valley Public Television, Inc.  
Verizon California Inc.  
Verizon Maryland, Inc.  
Verizon New England Inc.  
Verizon New Jersey, Inc.  
Verizon New York, Inc.  
Verizon North Inc.  
Verizon Northwest Inc.  
Verizon Pennsylvania, Inc.  
Verizon Virginia, Inc.  
Verizon Washington DC, Inc.  
Village Video Productions Inc  
Vyvx, LLC  
Westar Satellite Services LP  
Western Technical Services

Company (Continued)

Wexler Video, Inc.  
Winged Vision  
Wisconsin Bell, Inc.  
Wolfe Air Aviation

Society of Broadcast Engineers:

Arizona – Entire State

California – Fresno  
Northern California  
Sacramento  
Monterrey  
San Diego  
San Francisco/San Jose  
Southern California

Nevada – Reno  
Southern

Oregon – Entire State

There are no unresolved interference objections with the stations contained in these applications.

The following section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

## COMSEARCH Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

Date: 07/12/2012  
Job Number: 120709COMSJC08

### Administrative Information

Status: TEMPORARY (Operation from 07/20/2012 to 09/20/2012)  
Call Sign: TEMP09  
Licensee Code: INTELS  
Licensee Name: Intelsat License LLC

### Site Information FILLMORE, CALIFORNIA

Venue Name:  
Latitude (NAD 83): 34° 24' 22.0" N  
Longitude (NAD 83): 118° 53' 37.4" W  
Climate Zone: A  
Rain Zone: 4  
Ground Elevation (AMSL): 313.94 m / 1030.0 ft

### Link Information

Satellite Type: Low Earth Orbit  
Mode: TO - Transmit-Only  
Modulation: Digital  
Minimum Elevation Angle: 5.0°  
Azimuth Range: 0.0° to 360°  
Antenna Centerline (AGL): 8.23 m / 27.0 ft

### Antenna Information

Manufacturer: Scientific-Atlanta  
Model: 10.3 Meter  
Gain / Diameter: 53.8 dBi / 10.3 m  
3-dB / 15-dB Beamwidth: 0.40° / 0.60°

### Transmit

Max Available RF Power	(dBW/4 kHz)	10.9
	(dBW/MHz)	34.9
Maximum EIRP	(dBW/4 kHz)	64.7
	(dBW/MHz)	88.0
	(dBW)	88.0
Interference Objectives:	Long Term	-154.0 dBW/4 kHz 20%
	Short Term	-131.0 dBW/4 kHz 0.0025%

### Frequency Information

Emission / Frequency Range (MHz): 850KFXD / 7026.25

### Transmit 7.0 GHz

Max Great Circle Coordination Distance: 347.9 km / 216.2 mi  
Precipitation Scatter Contour Radius: 330.4 km / 205.3 mi

## COMSEARCH Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

<b>Coordination Values</b>	<b>FILLMORE, CA</b>	
Licensee Name	Intelsat License LLC	
Latitude (NAD 83)	34° 24' 22.0" N	
Longitude (NAD 83)	118° 53' 37.4" W	
Ground Elevation (AMSL)	313.94 m / 1030.0 ft	
Antenna Centerline (AGL)	8.23 m / 27.0 ft	
Antenna Model	Scientific-Atlanta 10.3 Meter	
Antenna Mode	Transmit 7.0 GHz	
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	10.9 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 7.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	9.45	76.90	-10.00	256.40
5	9.81	73.28	-10.00	256.40
10	11.84	70.32	-10.00	256.40
15	10.91	66.54	-10.00	256.40
20	12.89	64.07	-10.00	256.40
25	13.83	61.45	-10.00	256.40
30	11.05	56.89	-10.00	256.40
35	11.05	53.97	-10.00	256.40
40	11.16	51.36	-10.00	256.40
45	12.08	49.66	-10.00	256.40
50	12.02	47.53	-10.00	256.40
55	12.02	45.80	-10.00	256.40
60	11.89	44.32	-10.00	256.40
65	10.13	41.66	-10.00	256.40
70	10.13	41.15	-10.00	256.40
75	10.13	41.13	-7.96	269.20
80	8.91	40.41	-4.20	292.90
85	8.91	41.41	0.77	324.20
90	6.32	40.56	4.53	347.90
95	6.32	42.59	4.53	347.90
100	6.32	45.00	4.53	347.90
105	6.35	47.76	4.53	347.90
110	5.84	50.44	4.53	347.90
115	4.00	52.69	4.53	347.90
120	2.01	55.33	4.53	347.90
125	1.94	59.11	4.53	347.90
130	2.44	63.20	4.53	347.90
135	2.62	67.23	4.53	347.90
140	2.67	71.27	4.53	347.90
145	2.87	75.38	4.53	347.90
150	2.62	79.46	4.53	347.90
155	3.19	83.65	4.53	347.90
160	2.85	87.77	4.53	347.90
165	3.52	91.91	4.53	347.90
170	3.28	96.04	4.53	347.90
175	3.00	100.19	4.53	347.90
180	2.53	104.38	4.53	347.90
185	2.35	108.51	4.53	347.90

## COMSEARCH Earth Station Data Sheet

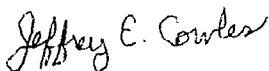
19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

Coordination Values		FILLMORE, CA	
Licensee Name		Intelsat License LLC	
Latitude (NAD 83)		34° 24' 22.0" N	
Longitude (NAD 83)		118° 53' 37.4" W	
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Antenna Model		Scientific-Atlanta 10.3 Meter	
Antenna Mode		Transmit 7.0 GHz	
Interference Objectives: Long Term		-154.0 dBW/4 kHz	20%
Short Term		-131.0 dBW/4 kHz	0.0025%
Max Available RF Power		10.9 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 7.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.28	112.57	4.53	347.90
195	0.78	117.05	4.53	347.90
200	0.41	121.18	4.53	347.90
205	1.23	124.74	4.53	347.90
210	0.97	128.61	4.53	347.90
215	0.94	132.22	4.53	347.90
220	0.00	136.21	4.53	347.90
225	0.00	139.42	4.53	347.90
230	0.00	142.31	4.53	347.90
235	0.00	144.80	4.53	347.90
240	0.00	146.79	4.53	347.90
245	0.00	148.21	4.53	347.90
250	0.00	148.95	4.53	347.90
255	0.00	148.97	4.53	347.90
260	0.00	148.28	4.53	347.90
265	0.00	146.92	4.53	347.90
270	0.00	144.96	4.53	347.90
275	1.12	141.62	0.77	324.20
280	1.30	138.71	-4.20	292.90
285	2.93	134.56	-7.96	269.20
290	4.19	130.57	-10.00	256.40
295	4.04	127.29	-10.00	256.40
300	4.42	123.56	-10.00	256.40
305	3.72	120.18	-10.00	256.40
310	3.09	116.58	-10.00	256.40
315	2.76	112.74	-10.00	256.40
320	3.33	108.58	-10.00	256.40
325	4.75	104.28	-10.00	256.40
330	5.93	100.12	-10.00	256.40
335	7.78	95.99	-10.00	256.40
340	8.25	92.08	-10.00	256.40
345	9.31	88.23	-10.00	256.40
350	9.65	84.45	-10.00	256.40
355	9.64	80.68	-10.00	256.40

## Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.



Jeffrey E. Cowles  
Engineer III, Telecommunications  
COMSEARCH  
19700 Janelia Farm Blvd.  
Ashburn, Va. 20147

DATED: July 12, 2012

July 17, 2012

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  
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 30 days, from August 2, 2012 through August 31, 2012, to use its Fillmore, California C-band earth station -- call sign E4132 -- to provide launch and early orbit phase ("LEOP") services to the Hylas 2 satellite that is expected to be launched on August 2, 2012.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The Hylas 2 LEOP operations will be performed in the following frequency bands:

Uplink: 6723.75 MHz and 7026.25 MHz (LHCP); and  
Downlink: 4198.0 MHz and 4199.0 MHz (RHCP)

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. 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.

The 24x7 contact information for the Hylas 2 LEOP mission is as follows:

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau's Filing System ("IBFS").

<sup>2</sup> It is Intelsat's understanding that the satellite's permanent orbital location will be between 30.0° and 66.0° E.L. It will be in-orbit tested at 31.0° E.L.

<sup>3</sup> Intelsat is seeking authority through August 31, 2012 to accommodate a possible launch delay.



Ms. Marlene H. Dortch  
July 17, 2012  
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Ph.: (202) 944-7701 – East Coast Operations Center (primary)  
(310) 525-5900 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat is attaching Exhibits A and B, which contain a waiver request, as well as technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Intelsat also notes that for purposes of the Hylas 2 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 26.5 dBW. The technical information submitted with the STA request reflects a power level as high as 34 dBW because that is the level at which Intelsat might operate in the event an emergency necessitates the use of a higher power level in order to command the satellite.

Grant of this STA request will enable Intelsat to help launch the Hylas 2 satellite. This will serve the public interest by ensuring that it can bring additional capacity to Europe, the Middle East, and Africa.

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

Respectfully submitted,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Paul Blais