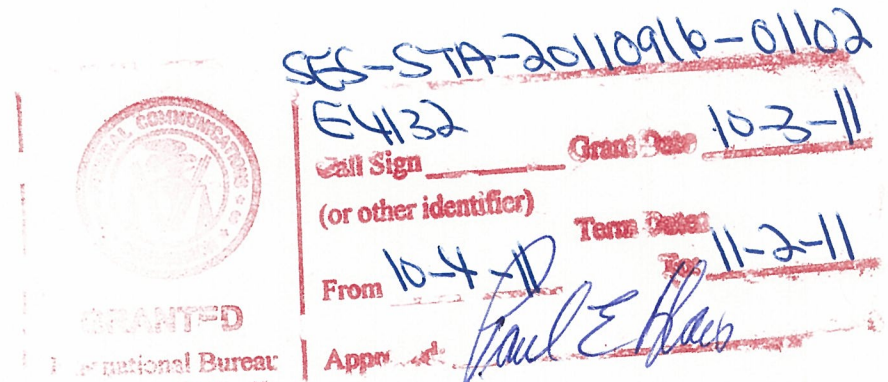


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for for Special Temporary Authority Using Fillmore, California Earth Station E4132

1. Applicant

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



Conditions of Grant of SES-STA-20110916-01102
Call Sign E4132

Intelsat Licenses LLC is granted Special Temporary Authority to provide launch and early orbit phase services for the Intelsat 18 satellite that is expected to be launched on October 4, 2011. This grant is for the period beginning October 4, 2011 through November 2, 2011.

The permanent orbital location for Intelsat 18 will be 180° E.L. The satellite will be in-orbit tested at 176° E.L.

Operations will be performed in the following frequency bands: 6173.7, 850 and 6176.3 MHz (uplink) and 3947.5 and 3952.5 MHz (downlink). Earth station operations are limited to transmission and reception parameters coordinated within the parameters in the coordination report of this application under the following conditions.

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station.
2. In the event that there is a report of interference, Intelsat must immediately terminate transmissions and notify the FCC in writing.
3. Intelsat must comply with all FAA antenna height restrictions defined in 47 CFR Part 17.
4. 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 Intelsat 18 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.

5. Intelsat must make all reasonable and customary measures to ensure that the earth station does not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. At a minimum, permanent warning labels shall be fixed to the earth station and its housing warning of the radiation hazard and including a diagram showing the regions around the earth station where radiation levels could exceed 1.0mW/cm². The earth station operator shall be responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits required by 47 C.F.R. §1.1310. This shall be accomplished by means of signs, caution tape, verbal warnings, placement of the earth station so as to minimize access to the hazardous region, and/or other appropriate means.

SES-STIA-20110916-01102

EN132


Call Sign (or other identifier)

Grant No. 10-3-11

Team Dates 11-2-11

From 10-4-10

Appr. *Paul E. Hales*



Federal Communications Commission
International Bureau

2. Contact	
Name: Susan H Crandall	Phone Number: 202-944-7848
Company: Intelsat Corporation	Fax Number: 202-944-7870
Street: 3400 International Drive, N.W.	E-Mail: susan.crandall@intelsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
Attention:	Relationship: 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:	
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: 10px; margin: 10px 0;">Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days, from October 4, 2011 through November 2, 2011, to use its Fillmore, California earth station, call sign E4132, to provide launch and early orbit phase services for the Intelsat 18 satellite that is expected to be launched on October 4, 2011.</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.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.

September 16, 2011

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th 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”)¹ for 30 days, from October 4, 2011 through November 2, 2011, to use its Fillmore, California earth station -- call sign E4132 -- to provide launch and early orbit phase (“LEOP”) services for the Intelsat 18 satellite that is expected to be launched on October 4, 2011.² The LEOP period is expected to last approximately ten days.³

The Intelsat 18 LEOP operations will be performed in the following frequency bands:

- 6173.7 MHz and 6176.3 MHz (LHCP) in the uplink, and
- 3947.5 MHz and 3952.5 MHz (RHCP) 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. 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 Intelsat 18 LEOP mission is as follows:

Ph.: (202) 944-7701 – East Coast Operations Center (primary)

¹ 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”).

² The satellite’s final orbital location will be 180.0° E.L. See *Policy Branch Information: Satellite Space Authorizations Accepted for Filing*, Report No. SAT-00796, File No. SAT-LOA-20101014-00219 (July 29, 2011) (Public Notice). The satellite will be in-orbit tested at 176.0° E.L. See *Intelsat License LLC Request for Special Temporary Authority*, File No. SAT-STA-20110915-00182 (filed Sept. 15, 2011).

³ Intelsat is seeking authority through November 2, 2011 to accommodate a possible launch delay.

Ms. Marlene H. Dortch
September 16, 2011
Page 2

(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 Exhibit A, which contains technical information concerning the Intelsat 18 LEOP operations. Intelsat notes that for purposes of the Intelsat 18 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 higher power level of 34.2 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. 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.

Grant of this STA request will allow Intelsat to help launch the Intelsat 18 satellite to the 180.0° E.L. location. This, in turn, will help ensure continuity of service to customers at that location, thereby promoting the public interest.

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

Prepared By

COMSEARCH

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

Prepared For
Intelsat License LLC
FILLMORE, CALIFORNIA

Temporary Transmit/Receive Earth Station
Operation Dates: 10/01/2011 - 01/01/2012

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 August 11, 2011.

Company

ANAHEIM CITY, COMMUNICATIONS DIVISION
AT&T California
Air-Sites2000, LLC
American Tower, LLC
BNSF Railway Company
Bishop Union High School
CNG Communications, Inc.
COAST COMMUNITY COLLEGE DISTRICT
California, State of
Cellico Partnership - California
Chevron USA Inc.
Coachella Valley Water District
Cox Communications - San Diego Mkt
Ducor Telephone Company
Exxon Communications Company
FALCON CABLEVISION, A CALIFORNIA L.P.
Federal Communications Commission
Fresno MSA Limited Partnership
Fresno, County of
GTE Mobilnet of California LTD Partnersh
GTE Mobilnet of Santa Barbara LTD Ptnsh
Goff, Wayne C.
KERN COMMUNITY COLLEGE DISTRICT BAKERSFI
KERN COUNTY SUPERINTENDENT OF SCHOOLS
KERN ED TELECOM CONSORTIUM
KTLA INC
Kern, County of
Kings County Office of Education
LOS ANGELES CITY WATER & POWER
LOS ANGELES UNIFIED SCHOOL DISTRICT

Company (Continued)

Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles SMSA Ltd. Partnership
METROPOLITAN AREA NETWORKS, INC.
MONTEBELLO CITY CALIFORNIA
Metropolitan Water Dist of So California
NEXTEL OF CALIFORNIA INC
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS -PNW Region
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC -San Diego
New Cingular Wireless PCS, LLC (was WW/C)
Nextweb Inc
OCCIDENTAL OF ELK HILLS INC
ORANGE COUNTY OF, CA
Pacific Gas and Electric Company
Paramount Farming Company, LLC.
Plains Exploration & Production Company
QUALCOMM INC.
Regional 3Cs
Riverside, County of
SAN DIEGO COUNTY
SAN DIEGO, CITY OF
SAN LUIS OBISPO COUNTY
SKYRIVER COMMUNICATIONS INC
SOUTHERN CALIFORNIA REGIONAL RAIL AUTH.
San Bernardino County of California
San Diego Gas & Electric Company
Santa Barbara Cellular Systems, Ltd.
Southern California Edison Company
Southern California Gas Company
T-Mobile License LLC
TULARE COUNTY OF
TV MICROWAVES CO
Turn Wireless, LLC
University of California,HPWREN
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAM) LLC (CA)
Vintage Production California LLC
WWC License L.L.C. - California
Western Pacific Mobile Microwave
Western Technical Services

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: 08/24/2011
Job Number: 110811COMSJ02

Administrative Information

Status: TEMPORARY (Operation from 10/01/2011 to 01/01/2012)
Call Sign: TEMP01
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 TR - Transmit-Receive
Modulation Analog and Digital
Minimum Elevation Angle 5.0°
Azimuth Range 0.0° to 360°
Antenna Centerline (AGL) 8.23 m / 27.0 ft

Antenna Information

	Receive	Transmit
Manufacturer	Scientific-Atlanta	Scientific-Atlanta
Model	10.3 Meter	10.3 Meter
Gain / Diameter	50.5 dBi / 10.3 m	53.8 dBi / 10.3 m
3-dB / 15-dB Beamwidth	0.40° / 1.00°	0.40° / 0.60°

Max Available RF Power (dBW/4 KHz) 10.9
(dBW/MHz) 34.2

Maximum EIRP (dBW/4 KHz) 64.7
(dBW/MHz) 88.0
(dBW) 88.0

Interference Objectives: Long Term -152.0 dBW/MHz 20%
Short Term -131.0 dBW/MHz 0.01%
-154.0 dBW/4 KHz 20%
-131.0 dBW/4 KHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz)	Receive 4.0 GHz	Transmit 6.1 GHz
180KFXD / 3947.5	180KFXD / 3947.5	850KFXD / 6173.7
180KFXD / 3952.5	180KFXD / 3952.5	850KFXD / 6176.3

Max Great Circle Coordination Distance 465.6 km / 289.3 mi
Precipitation Scatter Contour Radius 265.3 km / 164.8 mi
347.9 km / 216.2 mi
325.4 km / 202.2 mi

COMSEARCH
Earth Station Data Sheet
 19700 Janella 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
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	Receive 4.0 GHz
Interference Objectives: Long Term	-152.0 dBW/MHz
	-131.0 dBW/MHz
Short Term	20%
	0.01%
Max Available RF Power	10.9 (dBW/4 KHz)
	Transmit 6.1 GHz
	-154.0 dBW/4 KHz
	20%
	-131.0 dBW/4 KHz
	0.0025%

Azimuth (°)	Horizon		Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
	Elevation (°)	Antenna Discrimination (°)		Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	9.46	76.90	-10.00	373.70	-10.00	256.40	
5	9.82	73.29	-10.00	373.70	-10.00	256.40	
10	11.85	70.32	-10.00	373.70	-10.00	256.40	
15	10.92	66.54	-10.00	373.70	-10.00	256.40	
20	12.90	64.07	-10.00	373.70	-10.00	256.40	
25	13.86	61.47	-10.00	373.70	-10.00	256.40	
30	11.04	56.88	-10.00	373.70	-10.00	256.40	
35	11.06	53.98	-10.00	373.70	-10.00	256.40	
40	11.15	51.35	-10.00	373.70	-10.00	256.40	
45	12.08	49.66	-10.00	373.70	-10.00	256.40	
50	12.02	47.53	-10.00	373.70	-10.00	256.40	
55	12.03	45.81	-10.00	373.70	-10.00	256.40	
60	11.89	44.32	-10.00	373.70	-10.00	256.40	
65	10.11	41.64	-10.00	373.70	-10.00	256.40	
70	10.13	41.15	-10.00	373.70	-10.00	256.40	
75	10.10	41.10	-7.96	386.60	-7.96	269.20	
80	8.88	40.38	-4.20	410.40	-4.20	292.90	
85	8.89	41.39	0.77	441.80	0.77	324.20	
90	6.31	40.55	4.53	456.60	4.53	347.90	
95	6.30	42.57	4.53	456.60	4.53	347.90	
100	6.30	44.99	4.53	456.60	4.53	347.90	
105	6.32	47.74	4.53	456.60	4.53	347.90	
110	5.84	50.44	4.53	456.60	4.53	347.90	
115	3.99	52.69	4.53	456.60	4.53	347.90	
120	2.01	55.33	4.53	456.60	4.53	347.90	
125	1.94	59.11	4.53	456.60	4.53	347.90	
130	2.44	63.20	4.53	456.60	4.53	347.90	
135	2.70	67.25	4.53	456.60	4.53	347.90	
140	2.67	71.27	4.53	456.60	4.53	347.90	
145	2.73	75.36	4.53	456.60	4.53	347.90	
150	2.63	79.46	4.53	456.60	4.53	347.90	
155	3.07	83.64	4.53	456.60	4.53	347.90	
160	2.85	87.77	4.53	456.60	4.53	347.90	
165	3.41	91.91	4.53	456.60	4.53	347.90	
170	3.29	96.04	4.53	456.60	4.53	347.90	
175	3.00	100.19	4.53	456.60	4.53	347.90	
180	2.53	104.38	4.53	456.60	4.53	347.90	
185	2.35	108.51	4.53	456.60	4.53	347.90	

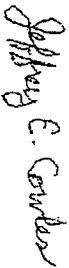
COMSEARCH
Earth Station Data Sheet
 19700 Janella Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

Coordination Values Licensee Name Latitude (NAD 83) Longitude (NAD 83) Ground Elevation (AMSL) Antenna Centerline (AGL) Antenna Model Antenna Mode Interference Objectives: Long Term Short Term Max Available RF Power	FILLMORE, CA Intelsat License LLC 34° 24' 22.0" N 118° 53' 37.4" W 313.94 m / 1030.0 ft 8.23 m / 27.0 ft Scientific-Atlanta 10.3 Meter Receive 4.0 GHz -152.0 dBW/MHz -131.0 dBW/MHz 20% 0.01% 10.9 (dBW/4 KHz) Transmit 6.1 GHz -154.0 dBW/4 KHz -131.0 dBW/4 KHz 20% 0.0025%
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Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	2.29	112.57	4.53	456.60	4.53	347.90
195	0.78	117.05	4.53	456.60	4.53	347.90
200	0.26	121.23	4.53	456.60	4.53	347.90
205	1.27	124.72	4.53	456.60	4.53	347.90
210	0.97	128.61	4.53	456.60	4.53	347.90
215	0.87	132.26	4.53	456.60	4.53	347.90
220	0.00	136.21	4.53	456.60	4.53	347.90
225	0.00	139.42	4.53	456.60	4.53	347.90
230	0.00	142.31	4.53	456.60	4.53	347.90
235	0.00	144.80	4.53	456.60	4.53	347.90
240	0.00	146.79	4.53	456.60	4.53	347.90
245	0.00	148.21	4.53	456.60	4.53	347.90
250	0.00	148.95	4.53	456.60	4.53	347.90
255	0.00	148.97	4.53	456.60	4.53	347.90
260	0.00	148.28	4.53	456.60	4.53	347.90
265	0.00	146.92	4.53	456.60	4.53	347.90
270	0.00	144.96	4.53	465.60	4.53	347.90
275	1.12	141.62	0.77	441.80	4.53	347.90
280	1.30	138.71	-4.20	410.80	0.77	324.20
285	2.87	134.60	-7.96	386.60	-4.20	292.90
290	4.19	130.57	-10.00	373.70	-7.96	269.20
295	4.03	127.29	-10.00	373.70	-10.00	256.40
300	4.42	123.56	-10.00	373.70	-10.00	256.40
305	3.80	120.15	-10.00	373.70	-10.00	256.40
310	3.10	116.58	-10.00	373.70	-10.00	256.40
315	2.76	112.74	-10.00	373.70	-10.00	256.40
320	3.32	108.58	-10.00	373.70	-10.00	256.40
325	4.76	104.28	-10.00	373.70	-10.00	256.40
330	5.94	100.11	-10.00	373.70	-10.00	256.40
335	7.80	95.98	-10.00	373.70	-10.00	256.40
340	8.26	92.08	-10.00	373.70	-10.00	256.40
345	9.32	88.23	-10.00	373.70	-10.00	256.40
350	9.66	84.45	-10.00	373.70	-10.00	256.40
355	9.64	80.68	-10.00	373.70	-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: August 24, 2011