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

1. Applicant

Name:	Intelsat License LLC	**Phone Number:**	202−944−7848
DBA Name:		**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		

GRANTED
International Bureau

File: SES-STA-20130110-00037
Call Sign E040125 Grant Date 1-29-13
(or other identifier)
Term Dates
From 1-29-13 To: 2-28-13
Approved: Paul E Blaney

Applicant: Intelsat License LLC
Call Sign: E040125
File No.: SES-STA-20130110-00037
Special Temporary Authority (STA)

Intelsat License LLC is granted special temporary authority, with conditions, for 30 days, from January 29, 2013, to use its Riverside, California C-band earth station, Call Sign E040125, to provide launch and early orbit phase (LEOP) services for the Intelsat 27 satellite, Call Sign S2827. Intelsat is granted authority to conduct telemetry, tracking, and command (TT&C) operations using center frequencies of 3701.25 MHz, 3701.75 MHz, 3702.25 MHz, and 3702.75 MHz (space-to-Earth), and 5925.5 MHz and 6424.5 MHz (Earth-to-space) necessary to maintain Intelsat 27 at 51.5° W.L. and to drift the Intelsat 27 space station to its authorized location of 55.5° W.L. Intelsat is also authorized to conduct in-orbit testing (IOT) of the Intelsat 27 satellite at the 51.5° W.L. orbital location using the 3700 – 4200 MHz (space-to-Earth), 5925 – 6425 MHz (Earth-to-space), 11.45 – 11.70 GHz (space-to-Earth), 11.7 – 12.2 GHz (space-to-Earth), 12.50-12.75 GHz (space-to-Earth), and 14.0 – 14.5 GHz (Earth-to-space) frequency bands. Operations under this authorization must be in accordance with the terms and conditions contained this application, authorization of Intelsat's application SAT-STA-20121126-00204, the Federal Communications Commission's rules not waived herein, and are subject to the following conditions:

1. 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 must 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 Intelsat 27 LEOP mission is as follows: Ph.: (202) 944-7701 - East Coast Operations Center (primary); (310) 525-5900 - West Coast Operations Center (back-up). Harry Burnham and Kevin Bell are the LEOP and IOT points of contact.

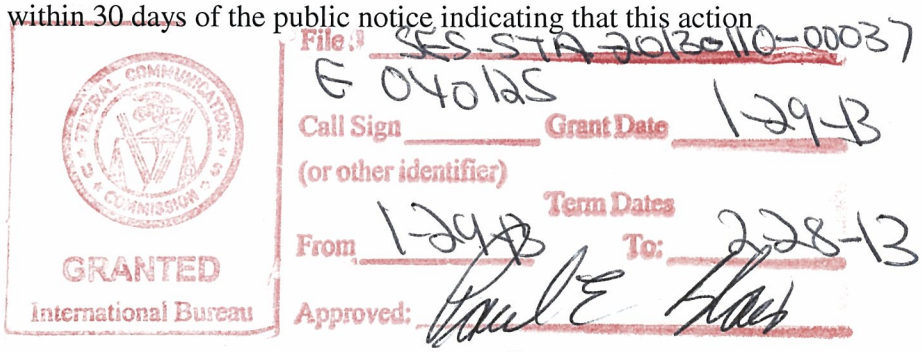
2. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, *i.e.,* Intelsat must not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station.

3. In the event of any harmful interference under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.

4. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat License LLC risk.

5. Intelsat is afforded 30 days from the date of release of this action to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.

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. Petitions for reconsideration under Section 1.106 of the Commission's rules or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the public notice indicating that this action was taken.



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 –
Attention:	Susan H. Crandall	**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?
◉ 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):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

○ Use Prior to Grant ○ Change Station Location ◉ Other

6. Requested Use Prior Date	
7. CityNuevo	8. Latitude (dd mm ss.s h) 33 47 43.6 N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 20.4 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.)

Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days commencing January 28, 2013 to use its C-band earth station E040125 located in Riverside, California to provide launch and early orbit phase services for the Intelsat 27 satellite that is expected to be launched on January 28, 2013.

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. ◉ Yes ○ 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.

January 10, 2013

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

INTELSAT

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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")[1] for 30 days commencing January 28, 2013 to use its C-band earth station E040125 located in Riverside, California to provide launch and early orbit phase ("LEOP") services for the Intelsat 27 satellite that is expected to be launched on January 28, 2013.[2] The LEOP period is expected to last approximately 17 days.[3]

The Intelsat 27 LEOP operations will be performed in the following frequency bands:

Uplink: 6424.5 MHz (LHCP) and 5925.5 MHz (H); and
Downlink: 3701.25 MHz, 3701.75 MHz, 3702.25 MHz and 3702.75 MHz (V and LHCP).

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

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[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 permanent orbital location will be 55.5° W.L. *See Policy Branch Information; Actions Taken*, Report No. SAT-00904, File No. SAT-LOA-20110610-00105 (Oct. 12, 2012) (Public Notice). The FCC's order granting the Intelsat 27 license prohibits Intelsat from operating the UHF payload without further order from the FCC. *See id.*, Condition # 4. Intelsat 27's C- and Ku-band payloads will be in-orbit tested at 51.5° E.L. *See Intelsat License LLC Request for Special Temporary Authority*, File No. SAT-STA-20121130-00204 (filed Nov. 30, 2012). The satellite's UHF payload will be tested at 55.5° W.L., subject to receipt of FCC approval.

[3] Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

[4] Boeing Satellite Systems, Inc., which is the LEOP mission manager for Intelsat 27, will handle the coordination.

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 27 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.

In further support of this request, Intelsat is attaching Exhibit A, which contains 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 Intelsat 27 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 32.6 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 allow Intelsat to help launch the Intelsat 27 satellite. This, in turn, will serve the public interest by providing replacement and new capacity at the satellite's permanent location of 55.5° W.L.

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

Prepared For

Intelsat License LLC
NUEVO, CALIFORNIA
Temporary Transmit-Only Earth Station
Operation Dates: 01/25/2013 - 03/01/2013

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 November 30, 2012.

Company

ABC Holding Company Inc.
ANAHEIM CITY, COMMUNICATIONS DIVISION
AT&T COMMUNICATIONS OF CALIFORNIA, INC.
AT&T COMMUNICATIONS OF MOUNTAIN STATES
AT&T California
AirSites2000, LLC
Airband Communications Inc
Arizona Public Service Company (APS)
Arizona, State Of Dept Of Public Safety
BNSF Railway Company
CCO SoCal I, LLC
CLARK, COUNTY OF
CNG Communications, Inc.
COAST COMMUNITY COLLEGE DISTRICT
California, State of
Calvary Chapel of Costa Mesa
Cellco Partnership - California
Chevron USA Inc.
Citizens Telecomm of the Golden State
Citizens Telecommunications of CA Inc.
Citizens Utilities Rural Company, Inc.
City Of Los Angeles, Dept Water & Power
City of Yuma
Coachella Valley Water District
DRS Technical Services
Ducor Telephone Company
Entravision Holdings, LLC
Federal Communications Commission
Fresno MSA Limited Partnership
Frontier Communications of the Southwest

Company (Continued)

GTE Mobilnet of California LTD Partnersh
Gila Electronics of Yuma, Inc
Goff, Wayne C.
KERN ED TELECOM CONSORTIUM
KTLA INC
Kern, County of
LOS ANGELES UNIFIED SCHOOL DISTRICT
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles SMSA Ltd. Partnership
MHO Networks
MOBILE RELAY ASSOCIATES INC
MONTEBELLO CITY CALIFORNIA
Metropolitan Water Dist of So California
New Cingular Wireless PCS LLC - AZ
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC -San Diego
Nextel License Holdings 4 Inc.
Nextel of California Inc.
Nextweb Inc
OCCIDENTAL OF ELK HILLS INC
ORANGE, COUNTY OF, CA
Pacific Gas and Electric Company
Plains Exploration & Production Company
Ponderosa Telephone Company
QUALCOMM INC.
QWEST CORPORATION
Regents of the University of California
Regional 3Cs
Riverside, County of
SAN DIEGO, CITY OF
San Bernardino County of California
San Diego County
San Diego Gas & Electric Company
Santa Barbara Cellular Systems, Ltd.
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Sparkplug Southwest, LLC
Sprint Spectrum, LP
T-Mobile License LLC
TV MICROWAVES CO
Telink Networks SW, LLC
Turn Wireless, LLC
University of California,HPWREN
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
Verizon Wireless(VAW) LLC-AZ/CO/NM/NV/UT

Company (Continued)

Vintage Production California LLC
WWC License L.L.C. - California
WWC License LLC - AZ/CO/NM/NV/UT
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:	12/21/2012
Job Number:	121130COMSJC02

Administrative Information

Status	TEMPORARY (Operation from 01/25/2013 to 03/01/2013)
Call Sign	TEMP03
Licensee Code	INTELS
Licensee Name	Intelsat License LLC

Site Information — NUEVO, CALIFORNIA

Venue Name	
Latitude (NAD 83)	33° 47' 43.6" N
Longitude (NAD 83)	117° 5' 20.4" W
Climate Zone	A
Rain Zone	4
Ground Elevation (AMSL)	566.62 m / 1859.0 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)	7.32 m / 24.0 ft

Antenna Information — Transmit

Manufacturer		TIW
Model		11 Meter
Gain / Diameter		55.5 dBi / 11.0 m
3-dB / 15-dB Beamwidth		0.29° / 0.54°
Max Available RF Power	(dBW/4 kHz)	8.6
	(dBW/MHz)	32.6
Maximum EIRP	(dBW/4 kHz)	64.1
	(dBW/MHz)	88.1
	(dBW)	87.4
Interference Objectives:	Long Term	-154.0 dBW/4 kHz 20%
	Short Term	-131.0 dBW/4 kHz 0.0025%

Frequency Information — Transmit 6.1 GHz

Emission / Frequency Range (MHz)	850KF2D / 5925.5
	850KF2D / 6422.5
	850KF2D / 6424.5
Max Great Circle Coordination Distance	347.9 km / 216.2 mi
Precipitation Scatter Contour Radius	274.6 km / 170.6 mi

COMSEARCH

Earth Station Data Sheet

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Coordination Values	**NUEVO, CA**
Licensee Name	Intelsat License LLC
Latitude (NAD 83)	33° 47' 43.6" N
Longitude (NAD 83)	117° 5' 20.4" W
Ground Elevation (AMSL)	566.62 m / 1859.0 ft
Antenna Centerline (AGL)	7.32 m / 24.0 ft
Antenna Model	TIW 11 Meter
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	8.6 (dBW/4 kHz)

Transmit 6.1 GHz

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
0	1.10	76.42	-10.00	256.40
5	2.21	72.41	-10.00	256.40
10	1.96	68.21	-10.00	256.40
15	2.70	64.35	-10.00	256.40
20	2.63	60.34	-10.00	256.40
25	2.53	56.42	-10.00	256.40
30	3.49	53.12	-10.00	256.40
35	3.37	49.49	-10.00	256.40
40	3.30	46.08	-10.00	256.40
45	3.29	42.94	-10.00	256.40
50	2.99	39.88	-10.00	256.40
55	2.53	37.01	-10.00	256.40
60	2.78	35.18	-10.00	256.40
65	3.42	34.29	-10.00	256.40
70	3.17	33.18	-10.00	256.40
75	3.22	33.01	-7.96	269.20
80	3.72	33.95	-4.20	292.90
85	3.36	34.69	0.77	324.20
90	3.38	36.37	4.53	347.90
95	2.49	37.81	4.53	347.90
100	2.99	40.84	4.53	347.90
105	3.50	44.15	4.53	347.90
110	3.76	47.52	4.53	347.90
115	3.70	50.90	4.53	347.90
120	3.92	54.61	4.53	347.90
125	3.84	58.30	4.53	347.90
130	4.39	62.35	4.53	347.90
135	3.90	66.11	4.53	347.90
140	4.15	70.18	4.53	347.90
145	4.15	74.23	4.53	347.90
150	3.50	78.23	4.53	347.90
155	3.92	82.42	4.53	347.90
160	4.24	86.58	4.53	347.90
165	4.67	90.72	4.53	347.90
170	4.76	94.84	4.53	347.90
175	5.29	98.89	4.53	347.90
180	5.93	102.84	4.53	347.90
185	6.64	106.67	4.53	347.90

COMSEARCH

Earth Station Data Sheet

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Coordination Values	**NUEVO, CA**
Licensee Name	Intelsat License LLC
Latitude (NAD 83)	33° 47' 43.6" N
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Antenna Model	TIW 11 Meter
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	8.6 (dBW/4 kHz)

Transmit 6.1 GHz

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
190	6.27	110.66	4.53	347.90
195	6.62	114.40	4.53	347.90
200	6.08	118.36	4.53	347.90
205	5.57	122.26	4.53	347.90
210	5.90	125.67	4.53	347.90
215	6.19	128.89	4.53	347.90
220	7.25	131.37	4.53	347.90
225	6.91	134.47	4.53	347.90
230	5.70	138.01	4.53	347.90
235	6.01	140.03	4.53	347.90
240	5.66	142.20	4.53	347.90
245	5.56	143.65	4.53	347.90
250	5.18	144.83	4.53	347.90
255	4.53	145.68	4.53	347.90
260	4.64	145.14	4.53	347.90
265	4.36	144.37	4.53	347.90
270	4.36	142.76	4.53	347.90
275	4.44	140.59	0.77	324.20
280	3.74	138.60	-4.20	292.90
285	3.10	136.12	-7.96	269.20
290	2.46	133.26	-10.00	256.40
295	0.80	130.61	-10.00	256.40
300	0.61	126.91	-10.00	256.40
305	0.00	123.21	-10.00	256.40
310	0.00	119.14	-10.00	256.40
315	0.00	114.99	-10.00	256.40
320	0.00	110.78	-10.00	256.40
325	0.00	106.52	-10.00	256.40
330	0.00	102.23	-10.00	256.40
335	0.00	97.91	-10.00	256.40
340	0.00	93.58	-10.00	256.40
345	0.00	89.24	-10.00	256.40
350	0.00	84.90	-10.00	256.40
355	0.00	80.57	-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

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

DATED: December 21, 2012