

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 Using Fillmore, CA 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		



30 days "with conditions"

File# SES-STA-20130115-00049  
Call Sign E4132 Grant Date 02/27/2013  
(or other identifier)  
Term Dates  
From 02/06/2013 To: 03/07/2013  
Approved: [Signature]

Applicant: Intelsat Licensing LLC

Call Sign: E4132

File No.: SES-STA-20130115-00049

Intelsat Licensing LLC (Intelsat) is granted special temporary authority, for 30 days from February 6, 2013, to operate its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase (LEOP) services for the AzerSat-1 satellite, a Azerbaijan-licensed satellite, to be in orbit tested at the 46.0° E.L. orbital location on the following center frequencies: 6422.5 MHz and 6424.5 MHz (LHCP); (Earth-to-space) and 4195.0 MHz and 4196.3 MHz (space-to-Earth), under the following conditions:

1. Intelsat, 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.
2. In the event that there is a report of interference, Intelsat must immediately terminate transmissions and notify the FCC in writing.
3. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Intelsat applications.
4. 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 AzerSat-1 LEOP mission is as follows: Harry Burnham or Kevin Bell who can be reached at the following telephone phone numbers: (202) 944-7701 and/or station number: (310) 525-5900.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's risk.
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.

30 days "with conditions"



File # SES-STA-20130115-00049

Call Sign E4132 Grant Date 02/27/2013  
(or other identifier)

Term Dates  
From 02/06/2013 To: 03/07/2013

Approved: [Signature]

**2. Contact**

<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?

- 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. 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; margin: 10px 0;">Intelsat License LLC herein requests a grant of Special Temporary Authority for 30 days commencing February 6, 2013 to use its Fillmore, California C-band earth station, call sign E4132, to provide launch and early orbit phase services for the AzerSat-1 satellite that is expected to be launched on February 6, 2013.</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**

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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 14, 2013

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 commencing February 6, 2013 to use its Fillmore, California C-band earth station -- call sign E4132 -- to provide launch and early orbit phase (“LEOP”) services for the AzerSat-1 satellite that is expected to be launched on February 6, 2013.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The AzerSat-1 LEOP operations will be performed in the following frequency bands:

Uplink: 6422.5 MHz and 6424.5 MHz (LHCP); and  
Downlink: 4195.0 MHz and 4196.3 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.<sup>4</sup> 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 AzerSat-1 LEOP mission is as follows:

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

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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> AzerSat-1 will be in-orbit tested at 46.0° E.L., which also will be the satellite’s permanent orbital location.

<sup>3</sup> Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

<sup>4</sup> Orbital Sciences Corporation, which is the LEOP mission manager for AzerSat-1, will handle the coordination.

Ms. Marlene H. Dortch  
January 14, 2013  
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(310) 525-5900 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

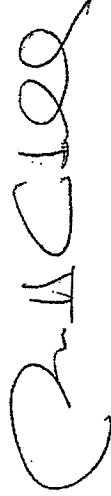
In further support of this request, Intelsat is attaching Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. 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 AzerSat-1 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 34.0 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 AzerSat-1 satellite. This, in turn, will serve the public interest by providing new capacity at the satellite's permanent location of 46.0° E.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

## 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 AzerSat-1 satellite. The information sought by Section 25.114 is not relevant to LEOP services. Moreover, Intelsat does not have -- and would not easily be able to obtain -- such information because Intelsat is not the operator of the AzerSat-1 satellite, nor is Intelsat in contractual privity with that operator. Rather, an affiliate of Intelsat has a contract with Orbital Sciences Corporation, the manufacturer of the AzerSat-1 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 AzerSat-1 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 path", which starts immediately following its separation from a launch vehicle, and ends when the satellite reaches its geostationary orbital

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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.



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 obtaining the information would be a hardship, 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 10 days of LEOP services to the AzerSat-1 satellite.

It is Intelsat’s understanding that AzerSat-1 is licensed by the Azerbaijani Republic, which is a WTO-member country. It is also Intelsat’s understanding that at its permanent orbital location of 46.0° E.L., AzerSat-1 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 AzerSat-1 satellite using its U.S. earth station for a period of approximately 10 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 10 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).