

S2229

SAT-STA-20140421-00039

IB2014000786

Intelsat License LLC  
Intelsat 7



File # SAT-STA-20140421-00039

Call Sign S2229 Grant Date 06/26/14

(or other identifier)

Term Dates period of  
From 07/01/14 To: 180 days

Approved by OMB  
3060-0678

Approved: Stephen J. Duall

Stephen J. Duall  
Chief, Satellite Policy Branch

Date & Time Filed: Apr 21 2014 11:22:43:353AM  
File Number: SAT-STA-20140421-00039  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
Request for Temporary Authority to Drift and Operate Intelsat 7, Call Sign S2229

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		

**Attachment to Grant**  
**IBFS File No. SAT-STA-20140421-00039**  
**Call Sign S2229**

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT-STA-20140421-00039, for special temporary authority for the Intelsat 7 space station (Call Sign S2229), is GRANTED.<sup>1</sup> Accordingly, Intelsat is authorized for a period of 180 days, commencing July 1, 2014 to perform telemetry, tracking, and command (TT&C) operations necessary to drift Intelsat 7 from the 68.65° E.L. orbital location<sup>2</sup> to the 18.2° W.L. orbital location using the following center frequencies: 11451.0 MHz and 11453 MHz (space-to-Earth); and 13998 MHz (Earth-to-space). Operations under this authorization must be in accordance with the terms, conditions, and technical specifications set forth in Intelsat's application and the rules of the Federal Communications Commission, and are subject to the following conditions:

1. 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 must not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.

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

3. Intelsat must coordinate the operations of Intelsat 7 with existing geostationary space stations to ensure that no unacceptable interference results from its operations during drift to the 18.2° W.L. orbital location.

4. Intelsat must operate only the TT&C frequencies on Intelsat 7 during the space station's drift from the 68.65° E.L. orbital location to the 18.2° W.L. orbital location.

5. Intelsat must notify the Chief, Satellite Division, in writing, of the date that the Intelsat 7 space station departs the 68.65° E.L. orbital location within three business days of the departure date.

6. This action is without prejudice to any decision regarding Intelsat's replacement expectancy to operate a space station in the 6675-6725 MHz and 3400-3700 MHz frequency bands at the 68.5° E.L. orbital location.<sup>3</sup>

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

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<sup>1</sup> The application was placed on Public Notice as accepted for filing on May 23, 2014. See Policy Branch Information, Satellite Space Applications Accepted for Filing, *Public Notice*, Report No. SAT-01016, IBFS File No. SAT-STA-20140421-00039. No comments were filed.

<sup>2</sup> Intelsat 7 was authorized in 2004 to operate at 68.65° E.L. See *Policy Branch Information: Action Taken*, Report No. SAT-00222, IBFS File No. SAT-MOD-20040405-00078 (June 15, 2004) (Public Notice). At the time of its launch, Intelsat 7 was named PAS-7 for commercial purposes, but PAS-21 for FCC filings. In 2007, Intelsat filed a letter notifying the Commission that it had renamed PAS-7/PAS-21 (Call Sign 2229) as Intelsat 7. See Letter from Susan Crandall, Assistant General Counsel, Intelsat Corp., to Marlene H. Dortch, Secretary, FCC, filed Jan. 8, 2007, available in IBFS File No. SAT-MOD-20060228-00017.

<sup>3</sup> Intelsat is authorized to operate Intelsat 20 at 68.5° E.L. See IBFS File No. SAT-LOA-20111024-00208 (grant stamp July 26, 2012). Intelsat 20 does not use the 6675-6725 MHz and 3400-3700 MHz frequency bands that were being used by Intelsat 7 at 68.5° E.L. *Id.* at grant stamp condition #20.

**Attachment to Grant**  
**IBFS File No. SAT-STA-20140421-00039**  
**Call Sign S2229**

8. 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 reconsideration 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.

 <b>GRANTED*</b> International Bureau *with conditions	File # <u>SAT-STA-20140421-00039</u>
	Call Sign <u>S2229</u> Grant Date <u>06/26/14</u> (or other identifier)
	From <u>07/01/14</u> Term Dates period of To: <u>180 days</u>
	Approved: <u><i>Stephen J. Duall</i></u> Stephen J. Duall Chief, Satellite Policy Branch

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    CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location                       Extend Expiration Date                       Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date

8. 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 Special Temporary Authority for 180 days, commencing July 1, 2014 through December 28, 2014, to drift Intelsat 7 (call sign S2229) from 68.65 E.L. to 18.2 W.L. Intelsat 7 temporarily will be collocated with the Intelsat 901 satellite, which currently operates at the 18.0 W.L. orbital location.

9. 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

10. Name of Person Signing  
Susan H. Crandall

11. Title of Person Signing  
Assoc. General Counsel, Intelsat Corporation

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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-PER, 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.**

April 21, 2014

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



Re: Request for Special Temporary Authority to Drift and Operate  
Intelsat 7  
Call Sign S2229

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests Special Temporary Authority ("STA")<sup>1</sup> for 180 days, commencing July 1, 2014 through December 28, 2014, to drift Intelsat 7 (call sign S2229) from 68.65° E.L. to 18.2° W.L. Intelsat 7 temporarily will be collocated with the Intelsat 901 satellite, which currently operates at the 18.0° W.L. orbital location.<sup>2</sup> Intelsat 7 currently is authorized to operate at 68.65° E.L.<sup>3</sup>

During the drift of Intelsat 7 from 68.65° E.L. to 18.2° W.L., Intelsat will utilize only the satellite's TT&C frequencies and will follow industry practices for coordinating TT&C transmissions during the relocation process. The specific TT&C frequencies are as follows:

Uplink:

13998 MHz (RHCP)

Downlink:

11451 MHz (H and LHCP)

11453 MHz (V and LHCP)

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *The Applications of Intelsat LLC For Authority to Operate, and to Further Construct, Launch, and Operate C-band and Ku-band Satellites that Form a Global Communications System in Geostationary Orbit*, 15 FCC Rcd 15460, File Nos: SAT-A/O-20000119-00002 to SAT-A/O-20000119-00018; SAT-AMD-20000119-00029 to SAT-AMD-20000119-00041; and SAT-LOA-20000119-00019 to SAT-LOA-20000119-00028 (2000).

<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00222, File No. SAT-MOD-20040405-00078 (June 18, 2004) (Public Notice).

Intelsat anticipates that the drift of Intelsat 7 from 68.65° E.L. to 18.2° W.L. will take approximately 9 months. As such, Intelsat anticipates filing a request for extension of drift authority that will include a request to operate Intelsat 7 when it arrives at 18.2° W.L. in approximately April 2015. Once on-station at 18.2° W.L., Intelsat 7 is expected to operate in the following communications frequencies for 180 days:

3400-3700 MHz  
6425-6725 MHz

10.95-11.2 GHz  
11.45-11.7 GHz  
13.75-14.25 GHz

Grant of this STA request is in the public interest because it will allow Intelsat to meet additional temporary customer demand at 18.2° W.L. The Intelsat 7 satellite will operate in several frequencies not utilized by the Intelsat 901 satellite (6425-6725 MHz, 3400-3625 MHz, and 13.75-14.25 GHz). Use of these additional frequencies at the 18.2° W.L. location will enhance services provided to Intelsat customers. In addition, the FCC recently extended the license term for Intelsat 7, finding continued operation of the Intelsat 7 satellite to be in the public interest.<sup>4</sup> This request for STA to relocate Intelsat 7 will serve the public interest by placing the satellite temporarily in a location that will best serve customer needs.

Grant of this STA request will not result in increased risk of harmful interference. As noted above, Intelsat will operate only the above listed TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. Once Intelsat 7 is on-station at 18.2° W.L., Intelsat will operate the communications payload in conformance with its coordination agreements related to that location or on a non-interference, non-protected basis. Additionally, Intelsat agrees to operate Intelsat 7 at 18.2° W.L. in accordance with the frequency-related conditions in the

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<sup>4</sup> Policy Branch Information; Actions Taken, Report No. SAT-01004, File No. SAT-MOD-20130819-00107 (March 21, 2014) (Public Notice).




Ms. Marlene H. Dortch  
April 21, 2014  
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Commission's 2004 order granting authority for the Intelsat 7 satellite to operate at 68.5° E.L.<sup>5</sup>

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations. Intelsat 7 will not be located an orbital location that has an overlapping station-keeping volume with another satellite.<sup>6</sup> Further, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 7 at 18.2° W.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 7 at 18.2° W.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request.

Sincerely,

  
Susan H. Crandall  
Associate General Counsel  
Intelsat Corporation

cc: Stephen Duall  
Jay Whaley  
Cindy Spiers

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<sup>5</sup> See *PanAmSat Licensee Corp. Application for Authority to Launch and Operate a Hybrid Communications Satellite Known at 68.5° E.L.*, Order and Authorization, 19 FCC Rcd 6137, File Nos. SAT-LOA-19960202-00017, SAT-AMD-19960411-0055, SAT-AMD-19971119-00187, SAT-AMD-19991217-00129, and SAT-STA-20001115-00162 (2004). Intelsat 7's location subsequently was changed to 68.65° E.L. See *supra* n.3.

<sup>6</sup> At the nominal 18.0° W.L. orbital location, Intelsat 7 will be collocated with the Intelsat 901 satellite. Intelsat 7 and Intelsat 901 will operate in separate station keeping boxes, and Intelsat will coordinate their operations internally.

April 21, 2014

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<sup>3</sup> See *Policy Branch Information; Actions Taken*, Report No. SAT-00222, File No. SAT-MOD-20040405-00078 (June 18, 2004) (Public Notice).

Ms. Marlene H. Dortch  
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<sup>4</sup> Policy Branch Information; Actions Taken, Report No. SAT-01004, File No. SAT-MOD-20130819-00107 (March 21, 2014) (Public Notice).

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Page 3

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