

S2423 SAT-STA-20111011-00198 IB2011004558  
Intelsat License LLC  
Horizons 2

Date & Time Filed: Oct 11 2011 1:26:53:150PM  
File Number: SAT-STA-20111011-00198  
Callsign:

File # SAT-STA-20111011-00198

Call Sign S2423 Grant Date 12/01/11  
(or other identifier)

Term Dates period of  
From 12/01/11 To: 60 days

Approved by OMB  
3060-0678

Approved:

*Stephen J. Duall*  
Stephen J. Duall  
Chief, Satellite Policy Branch



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 Special Temporary Authority to Drift Horizons 2 (Call Sign S2423)

I. 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  
Intelsat License LLC  
IBFS File No. File No. SAT–STA–20111011–00198  
Call Sign S2423**

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT–STA–20111011–00198, is granted. Accordingly, Intelsat is authorized, for a period of 60 days commencing on December 1, 2011, to conduct Telemetry, Tracking, and Telecommand (TT&C) operations with the Horizons 2 space station (Call Sign S2423) necessary to begin the drift of the Horizons 2 space station from the 74.05° W.L. orbital location to the 84.85° E.L. orbital location using the following Ku-band frequencies: 12196.0 MHz and 12198.625 MHz (horizontal or right-hand polarization/space-to-Earth); 14000.5 MHz (Horizontal or left-hand circular polarization/Earth-to-space) and 14499.5 MHz (Vertical or left-hand circular polarization/Earth-to-space). These operations are authorized in accordance with the technical specifications set forth in Intelsat's application and the Commission's rules, and are subject to 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 of any harmful interference caused by Horizons 2's operations during the drift to the 84.85° E.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. This authorization is limited to TT&C operations only, and Intelsat is not authorized to operate Horizons 2's communications payload.
4. Intelsat shall maintain full operational control of Horizons 2 at all times.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
6. Intelsat shall notify the Chief, Satellite Division, in writing, of the date that the Horizons 2 space station departs the 74° W.L. orbital location within three business days of the departure date.
7. Grant of this authorization does not constitute a finding pursuant to Section 25.161(c) of the Commission's rules.
8. Grant of this authorization is without prejudice to any decision regarding Intelsat's ability to file an application for authorization to operate a replacement space station in the 11.7-12.2 GHz (space-to-Earth) and 14.00-14.50 GHz (Earth-to-space) frequency band frequency bands at the 74° W.L. orbital location. Grant of this authorization does not constitute an announcement that these frequencies are available for reassignment.
9. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application for permanent operations of the Horizons 2 space station at the 84.5° E.L. orbital location (IBFS File No. SAT–MOD–20110928–00190).
10. 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.

**Attachment to Grant  
Intelsat License LLC  
IBFS File No. File No. SAT-STA-20111011-00198  
Call Sign S2423**

11. These actions are issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and are effective immediately. Petitions for reconsideration under Section 1.106 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 date of the public notice indicating that this action was taken.

 <b>GRANTED*</b> International Bureau *With conditions	File # <u>SAT-STA-20111011-00198</u>
	Call Sign <u>S2423</u> Grant Date <u>12/01/11</u> (or other identifier)
	Term Dates period of From <u>12/01/11</u> To: <u>60 days</u>
	Approved: <u><i>Stephen J. Duall</i></u> Stephen J. Duall Chief, Satellite Policy Branch

<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 SATMOD2011092800190 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 CRY - Space Station (Geostationary)	
5. Type Request	
<input checked="" type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date <input type="radio"/> Other
6. Temporary Orbit Location	
7. Requested Extended Expiration Date	

<p>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.)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Intelsat License LLC herein requests a grant of Special Temporary Authority for 60 days, commencing November 15, 2011, to begin drifting its Horizons 2 satellite from its current location of 74.05 W.L. to 84.85 E.L.</p> </div>					
<p>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.</p> <p style="text-align: right;"> <input checked="" type="radio"/> Yes      <input type="radio"/> No         </p>					
<p>10. Name of Person Signing Susan H Crandall</p>	<p>11. Title of Person Signing Asst. General Counsel, Intelsat Corporation</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: STA Request	Attachment 2:		Attachment 3:
Attachment 1: STA Request	Attachment 2:				
	Attachment 3:				
<p style="text-align: center;">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).</p>					

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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.**

October 11, 2011

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 to Drift Horizons 2  
Call Sign: S2423

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a grant of Special Temporary Authority ("STA")<sup>1</sup> for 60 days, commencing November 15, 2011, to begin drifting its Horizons 2 satellite from its current location of 74.05° W.L.<sup>2</sup> to 84.85° E.L. Intelsat has a pending request to modify the license of Horizons 2 to authorize its permanent operation at 84.85° E.L.<sup>3</sup>

In its pending modification application, Intelsat requests Commission approval to relocate Horizons 2 starting December 2011 and begin operating the satellite at that location in February/March 2012.<sup>4</sup> Traffic transition from Horizons 2 to other satellites is proceeding more quickly than anticipated, however, which will allow Intelsat to begin drifting the satellite starting November 15, 2011.

During the drift of Horizons 2 from 74.05° W.L. to 84.85° E.L., Intelsat will utilize only the satellite's TT&C frequencies and will coordinate the drift with all potentially affected operators. The specific TT&C frequencies are as follows:

Uplink:

14000.5 MHz (H or LHCP) and 14499.5 MHz (V or 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 *Application of PanAmSat H-2 Licensee Corp. to Modify License*, File No. SAT-MOD-20070628-00090 (stamp grant issued Nov. 30, 2007 by Andrea Kelly) and *Application of PanAmSat H-2 Licensee Corp. to Amend Pending Application*, File No. SAT-AMD-20070731-00108 (stamp grant issued Nov. 30, 2007 by Andrea Kelly).

<sup>3</sup> See *Intelsat License LLC Application to Modify License of Horizons 2*, File No. SAT-MOD-20110928-00190 (filed Sept. 28, 2011).

<sup>4</sup> See *id.* at 2.

Ms. Marlene H. Dortch  
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Downlink:

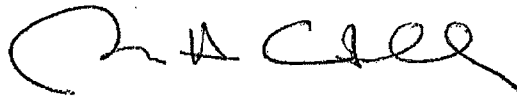
12196.0 MHz and 12198.625 MHz (H or RHCP)

Grant of this STA request will serve the public interest by allowing Intelsat to begin drifting Horizons 2 earlier, thus allowing the satellite to drift more slowly. This, in turn, preserves fuel, which results in a longer operational life for the satellite to serve customers at 84.85° E.L.

In addition, 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.

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

Sincerely,



Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

Cc: Stephen Duall  
Jay Whaley