

Approved by OMB  
3060-0678

### APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
July 2012 Pre-Grant 60-Day STA Request for E060445

#### 1. Applicant

<b>Name:</b>	HNS License Sub, LLC	<b>Phone Number:</b>	301-428-5506
<b>DBA Name:</b>		<b>Fax Number:</b>	301-428-2802
<b>Street:</b>	11717 Exploration Lane	<b>E-Mail:</b>	Steven.Doiron@hughes.com
<b>City:</b>	Germantown	<b>State:</b>	MD
<b>Country:</b>	USA	<b>Zipcode:</b>	20876
<b>Attention:</b>	Mr. Steven Doiron		

*with conditions*

File # SES-STA-20120703-00629



Call Sign E060445 Grant Date 7/20/2012  
(or other identifier) Term Dates  
From 7/21/2012 To: 9/1/2012  
Approved: John O. Blaes

HNS License Sub LLC  
E060445  
SES-STA-20120703-00629  
Special Temporary Authority

HNS License Sub LLC is authorized, beginning on July 21, 2012, and continuing for 60 days thereafter (to September 19, 2012), to utilize the earth stations that are authorized under Call Sign E060445, and proposed in pending modification application SES-MFS-20120322-00290, as amended by File No. SES-AFS-20120426-00396, to operate with the U.S.-licensed EchoStar XVII satellite at the 107.1° W.L. orbital location under the following conditions.

- 1) All operations under the requested STA will be within the technical parameters specified for the blanket-licensed antennas on SES-MFS-20110701-00767, SES-MFS-20120322-00290, as amended by SES-AFS-20120426-00396 with the exception that the terminals may not operate in the 29.25-29.3 GHz band with EchoStar XVII.
- 2) All operations 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.
- 3) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending SES-MFS-20120322-00290, as amended by SES-AFS-20120426-00396 application.
- 4) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at HNS License Sub LLC risk.
- 5) 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.



File # SES-STA-20120703-00629

Call Sign E060445 Grant Date 7/21/2012  
(or other identifier)

Term Dates  
From 7/21/2012 To: 9/14/2012

Approved: Paul E Blaes

<b>2. Contact</b>			
<b>Name:</b>	Stephen D. Baruch	<b>Phone Number:</b>	202-429-8970
<b>Company:</b>	Lerman Senter PLLC	<b>Fax Number:</b>	202-293-7783
<b>Street:</b>	2000 K Street NW	<b>E-Mail:</b>	sbaruch@lermansenter.com
<b>Suite:</b>	Suite 600	<b>State:</b>	DC
<b>City:</b>	Washington	<b>Zipcode:</b>	20006
<b>Country:</b>	USA	<b>Relationship:</b>	Legal Counsel
<b>Attention:</b>	Stephen D. Baruch		
<p>(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.)</p> <p>3. Reference File Number SESMFS2012032200290 or Submission ID</p>			
4a. Is a fee submitted with this application?			
<p><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).</p> <p><input type="radio"/> Governmental Entity   <input checked="" type="radio"/> Noncommercial educational licensee</p> <p><input type="radio"/> Other (please explain):</p>			
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<p><input checked="" type="radio"/> Use Prior to Grant   <input type="radio"/> Change Station Location   <input type="radio"/> Other</p>			
6. Requested Use Prior Date 07/21/2012		8. Latitude (dd mm ss.s h)   0   0   0.0   N	
7. City			

9. State	10. Longitude (dd mm ss.s h) 0 0 0.0 W
11. Please supply any need attachments.	Attachment 2:  Attachment 3:
Attachment 1: Narrative	
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.)  See attached narrative.	
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 &quot;party to the application&quot; for these purposes.	
14. Name of Person Signing Steven Doiron	15. Title of Person Signing Senior Director, Regulatory Affairs
<p><b>WILFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b>          (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>	

## **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.**

**HNS License Sub, LLC**  
**FCC Form 312 – STA**  
**Narrative Exhibit**  
**July 2012**

**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**  
**Call Sign: E060445**

HNS License Sub, LLC (“Hughes”) hereby requests Special Temporary Authority (“STA”) beginning on July 21, 2012, and continuing for 60 days thereafter (to September 19, 2012), to utilize the earth stations that are authorized under Call Sign E060445, and proposed in pending modification application File No. SES-MFS-20120322-00290, as amended by File No. SES-AFS-20120426-00396 (collectively, the “Modification Application”), to operate with the U.S.-licensed EchoStar XVII satellite at the 107.1° W.L. orbital location on a pre-grant basis – subject to the conditions proposed herein. All operations under the requested STA will be within the technical parameters specified for the blanket-licensed antennas on Hughes’s license under Call Sign E060445 and the Modification Application, with the exception that the proposed new 69 centimeter antennas will not operate in the 29.25-29.3 GHz band, and none of the existing terminals on the license will use the 29.25-29.3 GHz band to communicate with EchoStar XVII under this STA.

Hughes has on file with the FCC a pending application for permanent authority to utilize the existing antennas under Call Sign E060445 and the new antennas proposed in the Modification Application to communicate with EchoStar XVII (as licensed by the Commission on June 12, 2012 in File No. SAT-LOA-20120422-00075). There are unresolved interference issues with respect only to the 29.25-29.3 GHz frequency segment to be used at various continental U.S. (“CONUS”) locations, as the frequency segment overlaps with spectrum utilized by the Iridium mobile-satellite service system from a Tempe, Arizona earth station.

Hughes recognizes that its proposed operation under this STA request is on a non-interfering basis. In the unlikely event that interference issues are raised during IOT operations, Hughes is designating as a contact point Bill McHargue at its Network Management Center in Germantown (Telephone: 301-428-7205). Mr. McHargue will be available on a 24/7 basis to field any interference complaints and address any other technical issues that may arise with the IOT operation.

The underlying issue raised by Iridium will need to be addressed in one way or another before Hughes can begin permanent use of the 29.25-29.3 GHz segment for its user terminal operations under the Modification Application. Allowing limited deployment of terminals under the Modification Application in a way that will not affect the party complaining of interference will expedite the introduction of important new satellite broadband services using more streamlined equipment, and thus would advance the public interest. Moreover, the requested STA will serve the public interest by ensuring that new broadband customers can begin to make productive use of the valuable spectrum and orbital resources on EchoStar XVII as soon as possible. On the other hand, denying such authority because of a pending objection that is inapposite to the proposed use would clearly be contrary to the public interest.

Given the sensitivity of this proposed use of 29.25-29.3 GHz by earth stations authorized under Call Sign E060445, Hughes is submitting this STA request more than three business days in advance of the date of requested first use. Because Hughes has a pending application to access EchoStar XVII from the same antenna as a U.S.-licensed satellite, a 60-day term is appropriate. *See* 47 C.F.R. § 25.120(b)(3).

To avoid *ex parte* issues that result from the reference to the Iridium issues relating to the Modification Application, Hughes will provide an electronic copy of the instant STA request to Iridium.

In sum, and in the event that the Commission has not resolved the pending issue of potential interference to Iridium from the use of Hughes's earth stations under Call Sign E060445 and the Modification Application to communicate with EchoStar XVII as a U.S.-licensed satellite prior to July 21, 2012, Hughes respectfully requests authority to operate its terminals as licensed and proposed in the Modification Application – with the exception that the proposed new 69 centimeter antennas will not operate in the 29.25-29.3 GHz band, and none of the existing terminals on the license will use the 29.25-29.3 GHz band to communicate with EchoStar XVII under this STA. Operation under this STA request would be for the 60-day period starting July 21, 2012 and ending on September 19, 2012.