

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

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

with corrections

File # SES-STA-20120703-00629

Call Sign E060445 Grant Date 7/20/2012
(or other identifier)

Term Dates

From 7/19/2012 To: 9/19/2012

Approved: Paul E. Blakes



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 currently authorized points of communication, which includes SPACEWAY 3 satellite at the 94.95 degrees W.L. orbital location, and 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.

SES-STA-20120703-00629

E060445

Call Sign E060445 Grant Date 7-20-12
(or other identifier)

From 7-21-12 To 9-19-12

Approved Paul E. Hales

GRANTED
Special Temporary Authority Bureau

Connecticut condition

2. Contact			
Name:	Stephen D. Baruch	Phone Number:	202-429-8970
Company:	Lerman Senter PLLC	Fax Number:	202-293-7783
Street:	2000 K Street NW Suite 600	E-Mail:	sbaruch@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
Attention:	Stephen D. Baruch	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 SESMFS2012032200290 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 CGX – Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other			
6. Requested Use Prior Date			
07/21/2012			
7. City			
8. Latitude (dd mm ss.s h) 0 0 0.0 N			

9. State	10. Longitude (dd mm ss.s h) 0 0 0.0 W
11. Please supply any need attachments. Attachment 1: Narrative	Attachment 2: 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.) 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 "party to the application"; party to the application; for these purposes.	Yes <input checked="" type="radio"/> No <input type="radio"/>
14. Name of Person Signing Steven Doiron	15. Title of Person Signing Senior Director, Regulatory Affairs
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).	

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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.

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.