

E150079 SES-STA-20151222-00963  
HNS License Sub, LLC

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:  
STA Renewal Request to Test Gateway in Roseburg, OR

I. Applicant

<b>Name:</b>	HNS License Sub, LLC	<b>Phone Number:</b>	301-428-5893
<b>DBA Name:</b>		<b>Fax Number:</b>	301-428-2818
<b>Street:</b>	11717 Exploration Lane	<b>E-Mail:</b>	jennifer.manner@echostar.com
<b>City:</b>	Germantown	<b>State:</b>	MD
<b>Country:</b>	USA	<b>Zipcode:</b>	20876 -
<b>Attention:</b>	Jennifer Manner		



File # SES-STA-20151222-00963

Call Sign E150079 Grant Date 01/21/2016  
(or other identifier)

Term Dates  
From 01/20/2016 To 02/19/2016

Approved [Signature]

"with conditions"


Applicant: HNS License Sub, LLC  
Call Sign: E150079  
File No.: SES-STA-20151222-00963  
Special Temporary Authority (STA)

HNS License Sub, LLC is granted extension to Special Temporary Authority for 30 days beginning January 20, 2016, to use its Roseburg, OR, Ka-band earth station, to communicate with: the AMC-15 satellite (call sign S2180) at orbital location 105° W. L. Primary satellite; the EchoStar XVII (Jupiter 1) satellite (call sign S2753) at 107.1° W.L. orbital location; the AMC-16 satellite (call sign S2181) at 85° W.L. orbital location; the EchoStar IX satellite (call sign S2179) at 121° W.L. orbital location; the Galaxy 28(nee IA-8) S2160/Telstar 8(IA-8) S2205 at 89°W.L. orbital location; and ViaSat-1 satellite (call sign S2747) at 115° W.L. orbital location to test gateway Earth station to provide advanced broadband satellite services under the following conditions:

1. Operations are restricted to center frequency 29.9375 GHz (Earth-to-space) within coordinated emission and power limits and on 19.7 – 20.2 GHz (space-to-Earth) frequency band.
2. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. HNS License Sub, LLC- shall not cause harmful interference to, and shall not claim protection from interference by any other lawfully operating radio communication system.
3. Operations of this earth station with AMC-15 at 105° W.L. during the period when SES-STA-20151016-00699 expired to the grant of this license was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. 1.62.
4. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future HNS License Sub, LLC applications.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at HNS License Sub, LLC's risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

*30 days*                      *"with conditions"*



The stamp is a rectangular red border containing the FCC logo on the left and handwritten text on the right. The logo features a globe and the words 'FEDERAL COMMUNICATIONS COMMISSION'. Below the logo, the word 'GRANTED' is printed in bold, followed by 'International Bureau'. The handwritten text includes: 'File # SES-STA-20151222-00963', 'Call Sign E150079 Grant Date 01/21/2016 (or other identifier)', 'Term Dates From 01/20/2016 To 02/19/2016', and 'Approved: Paul E. Alden'.

File # SES-STA-20151222-00963

Call Sign E150079 Grant Date 01/21/2016  
(or other identifier)

Term Dates  
From 01/20/2016 To 02/19/2016

Approved: Paul E. Alden

**Request for Renewal of Special Temporary Authority**

Pursuant to Section 25.120(b)(4),<sup>1</sup> HNS License Sub, LLC (Hughes) requests a 180-day renewal of its special temporary authority (STA) (File No. SES-STA-20151016-00699) to test a fixed earth station in Roseburg, Oregon, at 29.9375 GHz (uplink) and 19.7-20.2 GHz (downlink). Grant of this STA serves the public interest as it will enable Hughes to proceed with time-sensitive testing of new gateway earth stations to ensure that they are properly installed.

The earth station will be used as one of the gateways for the Jupiter 2 (EchoStar XIX) satellite network, which will provide advanced broadband satellite services to U.S. consumers.<sup>2</sup> An application for regular authority for this earth station was approved by the Commission on December 3, 2015.<sup>3</sup>

Grant of this STA is in the public interest because it will enable Hughes to test the antenna of this earth station upon installation. This test will enable Hughes to ensure that the earth station antenna is properly installed and can successfully operate with the Jupiter 2 satellite. Hughes will perform this test on a non-interference basis. Accordingly, there is no interference concern. In addition, testing will only occur in a frequency range where Fixed Satellite Services operate on a primary basis (28.35 GHz to 28.6 GHz).

For purposes of this STA, Hughes requests authority for the earth station to communicate with the AMC-15 satellite at 105° W.L. (call sign S2180). This is the primary satellite that Hughes will transmit to for the testing purposes. Hughes' testing may require the earth station to transmit to the:

- EchoStar XVII (Jupiter 1) satellite at 107.1 W.L. (call sign S2735),
- AMC-16 satellite at 85° W.L. (call sign S2181),
- EchoStar IX satellite at 121° W.L. (call sign S2143),
- Galaxy 28 satellite at 89° W.L. (S2160), and
- ViaSat-1 satellite at 115° W.L. (call sign S2747)

Accordingly, Hughes requests special temporary authority to transmit to those satellites as well. The location data and technical parameters for the testing are provided in Attachment 1 to the initial STA application.<sup>4</sup>

---

<sup>1</sup> 47 C.F.R. § 25.120(b)(4).

<sup>2</sup> The FCC has authorized the Jupiter 2 (EchoStar XIX) satellite at 97.1° W.L. to access the U.S. market. *See* IBFS File Nos. SAT-LOI-20110809-00148 (granted Jul. 27, 2012) and SAT-MOD-20141201-00127 (granted Jun. 23, 2015). The Jupiter 2 satellite is a next generation satellite, which will provide increased capacity for Hughes' satellite broadband services.

<sup>3</sup> *See* IBFS File No. SES-LIC-20150604-00335.

<sup>4</sup> *See* IBFS File No. SES-STA-20151016-00699.

<b>2. Contact</b>	
<b>Name:</b> Jennifer A. Manner	<b>Phone Number:</b> 301-428-5893
<b>Company:</b> HNS License Sub, LLC	<b>Fax Number:</b> 301-428-2818
<b>Street:</b> 11717 Exploration Lane	<b>E-Mail:</b> jennifer.manner@echostar.com
<b>City:</b> Germantown	<b>State:</b>
<b>Country:</b> USA	<b>Zipcode:</b> 20876 -
<b>Attention:</b>	<b>Relationship:</b>
(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 SESSTA2015101600699 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 01/02/2016	
7. City Roseburg	8. Latitude (dd mm ss.s h) 43 12 40.3 N

9. State OR	10. Longitude (dd mm ss.s h) 123 20 49.5 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.) <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">Request to renew the STA to test gateway Earth station in Roseburg, OR for Jupiter 2 (EchoStar XIX) for 180 days. See attached narrative.</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 Alexander Gerdenitsch	15. Title of Person Signing Senior Principal Engineer, 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).	

**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](mailto: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.**