

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Fillmore CA Pre-Grant STA Request September 2011

I. 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		

SES-STA-20110916-01101
5060383
Call Sign (or other identifier)
From 1-214-777-233-18
Transmitter
To 1-214-777-233-18
Approved
with conditions



Conditions:

Applicant: HNS LICENSE SUB, LLC

File Number: SES-STA-20110916-01101

Call Sign: E060383

HNS LICENSE SUB, LLC is granted, under the following conditions, Special Temporary Authority for 30 days, from 01/24/2012 through 02/23/2012, to operate as described in SES-STA-20110916-01101. Based on the following conditions:

1. Operations under this authority are on a non-interference basis only.
2. Operations under this authority are on a non-protected basis only.
3. This authorization 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-20110916-01101

E060383

Call Sign E060383 Grant Date 1-24-12

(or other identifier)

From 1-24-12 Term Expires 2-23-12

Approved Paul E. Hines



GRANTED
Federal Bureau

2. Contact			
Name:	Stephen D. Baruch	Phone Number:	202-416-6782
Company:	Lerman Senter PLLC	Fax Number:	202-429-4626
Street:	2000 K Street, N.W. Suite 600	E-Mail:	sbaruch@lermansenter.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
Attention:		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 SEMFS2011091201066 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			
10/05/2011			
7. City Fillmore			
8. Latitude (dd mm ss.s h) 34 24 16.7 N			

9. State CA	10. Longitude (dd mm ss.s h) 118 53 39.2 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.) HNS License Sub, LLC seeks temporary authority to operate for TT&C testing purposes the new TT&C earth station proposed in pending modification of license application (File No. SES-MFS-20110912-01066) for Call Sign E060383. See Attachment.	
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.

Explanation and Public Interest Statement

HNS License Sub, LLC (“Hughes”) is seeking special temporary authority (“STA”) for period of 30 days beginning on September 26, 2011, to operate for telemetry, tracking, and command (“TT&C”) testing purposes the new 9.2 meter GDSATCOM transmit/receive Earth station antenna it has applied to add to its license for Call Sign E060383 at Fillmore, California. *See* File No. SES-MFS-20110912-01066 (“Modification Application”). The 9.2 meter TT&C earth station antenna will be used with Hughes’s Jupiter 107W satellite upon the spacecraft’s launch in 2012. The temporary authority requested here proposes operation for TT&C testing purposes with Intelsat’s Galaxy 28 satellite at 89° W.L. If capacity on Galaxy 28 is not available to Hughes, Hughes would conduct the tests using either the AMC-15 satellite at 105° W.L. or the AMC-16 satellite at 85° W.L. Under the requested STA, no traffic would be carried on these space stations other than test signals.

Operations of the 9.2 meter GDSATCOM antenna will be as proposed in the above-referenced Modification Application, and all testing will be done at power levels consistent with Section 25.138 of the Commission’s rules. All three potential space stations for testing operations are proposed in the Modification Application as points of communication for the new antenna on Hughes’s license for Call Sign E060383. Hughes incorporates the technical showings from the Modification Application into this submission.

Good cause exists for the grant of the requested STA. As Hughes’s Fillmore, California earth station is one of two earth station sites that will provide TT&C operations for Jupiter 107W upon its launch next year, it is important that Hughes ensure that the earth station antennas are functional and operationally prepared to be integrated with the space station as soon as the satellite is launched. Hughes is filing concurrently a request for similar temporary authority to test the new GDSATCOM 9.2 meter TT&C and three Prodelin 1.8 meter beacon earth station antennas it has proposed to add to Call Sign E060382 in File No. SES-MFS-20110912-01065.

For the foregoing reasons, Hughes respectfully requests special temporary authority to enable it to operate the new Fillmore, California 9.2 meter transmit/receive earth station proposed in the pending Modification Application with Galaxy 28 at the 89° W.L. orbital location, AMC-15, at the 105° W.L. orbital location, or AMC-16 at the 85° W.L. orbital location for a period of 30 days beginning on October 5, 2011.

COST-BENEFIT ANALYSIS AND THE PART 43 RULEMAKING: A CONCEPTUAL FRAMEWORK

This paper proposes a conceptual framework for conducting a cost-benefit analysis of the proposed rule changes in the Part 43 rulemaking.¹ The analysis developed here is largely non-technical and intuitive rather than formal and rigorous. The economic logic is clearly presented and should be readily accessible to non-economists. While the application of ideas used in this paper may be novel, the ideas themselves are standard. Citations to the relevant literature are shown for the convenience of non-economist readers.

The organizing idea for the conceptual framework proposed here is viewing the carrier reporting requirements established in Part 43 of the Commission's Rules as the production of an *information good*. Identifying the attributes of the demand for and supply of such an information good provides the conceptual basis for estimating both the benefits and relevant costs of Part 43 reporting requirements. The following sections of the paper identify the pertinent attributes of both the supply of and demand for an information good in general. These concepts are then used to motivate specific questions that should be included in any Notice of Proposed Rulemaking that seeks information for estimating the relevant costs and benefits of any rule changes proposed in the rulemaking.

I. INFORMATION AND INFORMATION GOODS

Competitive markets require substantial information to operate efficiently as a mechanism for resource allocation. For example, business firms require accurate, timely information on the prices of all inputs of production that determine the current cost of producing output.

¹ See [CITE].