

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Galileo IVO 3 and 4 LEOP

1. Applicant

Name:	Universal Space Network, Inc.	Phone Number:	215-328-9130
DBA Name:		Fax Number:	215-328-9132
Street:	417 Caredean Drive Suite A	E-Mail:	jpgreet@uspacenet.com
City:	Horsham	State:	PA
Country:	USA	Zipcode:	19044 -
Attention:	Joanne Greet		




"with conditions"
File # SES-STA-20120919-00840
Call Sign N/A Grant Date 10/12/2012
(or other identifier)
Term Dates
From 10/12/2012 To: 11/14/2012
Approved: Paul E. Hales

Applicant: Universal Space Network, Inc. (USN)
Call Sign: No Call Sign
File No.: SES-STA-20120919-00840
Special Temporary Authority (STA)

USN is authorized to operate its Naalehu, HI earth station, antenna ID HI-13M, from October 12, 2012 to November 11, 2012 within the operational parameters requested in subject application and the following conditions.

1. All operations under the authorization of this STA shall be conducted on an unprotected, non-interference basis to Government operations.
2. All operations shall be limited to Telemetry, Tracking, and Control (TT&C) during launch and early orbit support (LEOP) of Galileo GAL3 & GAL4.
3. This authorization does not grant either market access nor spectrum coordination for any payloads on Galileo GAL3 & GAL4 satellites.
4. Universal Space Network (USN) will inform NTIA (Skotler@ntia.doc.gov, 202-482-7983) and the FCC (Paul.Blais@FCC.gov, 202-418-7274) at least 24 hours prior to the planned operations.
5. The Universal Space Network Point of Contact for Operation, Ms Joanne Greet, (808) 929-8069, must be available while the frequencies are in use.

"With conditions"

	
GRANTED International Bureau	
File #	<u>SES-STA-20120919-00840</u>
Call Sign (or other identifier)	<u>N/A</u> Grant Date <u>10/12/2012</u>
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Approved:	<u>Paul E. Blais</u>

GAL3 and GAL4 injection and coverage of pass #1-3

Both spacecraft are still in same antenna beamwidth after injection for the first pass and supported by selecting different RF frequencies. Both downlinks will be supported simultaneously during pass #1, then subsequent passes the spacecraft(s) begins to separate and are supported separately. Post maneuver TLE's and maximum visibilities are shown below for each event and each spacecraft.

	Downlink	Uplink
GAL1	2215.817 MHz	2040.399 MHz
GAL2	2221.955 MHz	2046.051 MHz

GALILEO-inj

1 12345U 12901A 12284.92787384 +00000000 +00000-9 +73171-3 2 00002
2 12345 055.3468 239.6483 0005301 244.4583 355.8400 01.703692590000004

Access	Start Time (UTCG)	Stop Time (UTCG)
1	11 Oct 2012 00:38:27	11 Oct 2012 11:50:34
2	12 Oct 2012 09:26:06	12 Oct 2012 17:12:03
3	12 Oct 2012 19:35:04	13 Oct 2012 00:32:45

2. Contact

Name:	Universal Space Network, Inc.	Phone Number:	215-328-9130
Company:		Fax Number:	215-328-9132
Street:	417 Caredean Drive Suite A	E-Mail:	jgreet@uspacenet.com
City:	Horsham	State:	PA
Country:	USA	Zipcode:	19044 -
Attention:	Joanne Greet	Relationship:	Same

(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 or Submission ID

4a. Is a fee submitted with this application?

If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

Governmental Entity Noncommercial educational licensee

Other (please explain):

4b. Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant

Change Station Location

Other

6. Requested Use Prior Date

10/07/2012

7. City Naalehu

8. Latitude

(dd mm ss.s h) 19 0 50.3 N

9. State HI	10. Longitude (dd mm ss.s h) 155 39 46.6 W
11. Please supply any need attachments. Attachment 1: FCC 312 Form Attachment 2: Waiver Galileo Attachment 3: Analysis for Galileo	
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: 5px 0;">Galileo IOV 3 & 4 LEOP support. Launch currently scheduled for October 10, 2012</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 Joanne Greet	15. Title of Person Signing Manager, Contracts & Compliance
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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