



APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA Request E150010 IOT

I. Applicant

Name:	Hawaii Pacific Teleport, L.P.	Phone Number:	917-750-5358
DBA Name:		Fax Number:	917-591-4535
Street:	P.O. Box 693	E-Mail:	lsmith-ryland@hawaiiileport.com
City:	Rumson	State:	NJ
Country:	USA	Zipcode:	07760 -
Attention:	Ms Leeana A Smith-Ryland		



30 days

"with conditions"

File # SES-STA-20171004-01101

Call Sign E150010 Grant Date 10/18/2017  
(or other identifier)

Term Dates  
From: 10/18/2017 To: 11/17/2017

Approved: Paul E. [Signature]

Applicant: Hawaii Pacific Teleport L.P.  
Call Sign: E150010  
File No.: SES-STA-20171004-01101  
Special Temporary Authority (STA)



"With Conditions"  
File # SES-STA-20171004-01101  
Call Sign E150010 Grant Date 10/18/2017  
(or other identifier)  
Term Dates  
From: 10/18/2017 To: 11/17/2017  
Approved: Paul E. Hays

Hawaii Pacific Teleport ("HPT") is granted a special temporary authority for 30 days, commencing October 18, 2017, to perform in-orbit testing ("IOT") of the Ka-band transponders on Eutelsat 172B ("E172B") satellite at 176.0° E.L. orbital location using the frequency bands 27.5-29.10 GHz (Earth-to-space) and 18.4-19.2 GHz (space-to-Earth) under the following conditions:

1. Operations will not exceed the operational power levels and parameters requested and coordinated.
2. Satellite operations in the 18.4-19.2 GHz band must not exceed proposed downlink EIRP levels specified in coordination discussions with U.S. satellite operators. Should EUTELSAT 172B satellite operations require transmissions at higher power levels it may not until a more detailed test plan is submitted, and has been reviewed and agreed to by U.S. satellite operators.
3. 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 and notify the FCC in writing.
4. E172B's operations at the 176.0° E.L. orbital location must be limited to IOT and must not include the provision of commercial services.
5. Hawaii Pacific Teleport will maintain E172B with an east-west longitudinal station-keeping tolerance of +/-0.1° degree.
7. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs; Currently, the 24x7 contact information for E172B during IOT and drift is as follows: Leana A. Smith-Ryland/Bernard Kasstan, Kapolei, HI Ph.: (808)674-9157 then press "0" for NOC.
8. Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measure must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
9. Operations shall be consistent with applicable coordination agreements and satellite authorized bands.
10. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at HPT's risk.

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 upon release.

STA Request  
E150010

Hawaii Pacific Teleport (HPT) requests special temporary authority (“STA”) to operate a Ka-band earth station to provide in-orbit testing (“IOT”) services for Ka-band transponders on the recently launched EUTELSAT 172B (“E172B”) satellite<sup>1</sup> at the 176° E.L. orbital location. HPT requests this STA for the period of October 15, 2017 to November 15, 2017.

On July 21, 2017, HPT filed an application to modify its existing earth station license, Call Sign E150010, to operate a 9.2-meter gateway earth station at its facility in Kapolei, Hawaii (*See* FCC File No. SES-MFS-20170721-00787). HPT hereby incorporates by reference the information regarding E172B and the earth station operating parameters submitted in that application proceeding.

The Kapolei earth station will test E172B’s Ka-band functionality in the 18.4-19.2 GHz (space-to-Earth) and 27.5-29.15 GHz (Earth-to-space) bands. HPT understands that, based on Eutelsat’s analysis and consultations with potentially affected parties, there is no reason to conclude that E172B’s temporary IOT operations in these bands at 176° E.L. will raise interference or other concerns. Nonetheless, to the extent harmful interference may occur, HPT commits to modifying or suspending its earth station transmissions to resolve such interference. Thus, HPT acknowledges that its earth station operations will be conducted on an unprotected, non-harmful interference basis.

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<sup>1</sup> EUTELSAT 172B launched under authority granted by France pursuant to the well-settled licensing processes of that nation and will arrive shortly at its IOT location. Because France is a WTO member nation, there is a presumption in favor of granting market access to allow U.S. earth stations to communicate with French-licensed satellites (assuming compliance with other applicable Commission rules and policies).

After IOT, the subject earth station will support gateway operations for E172B's commercial operations at 172° E.L., including Ku-band mobility applications, as indicated in the application of ES 172 LLC to operate E172B transponders to replace the aging EUTELSAT 172A ("E172A") satellite (*see* FCC File No. SAT-RPL-20170927-00136) and an STA request filed by Panasonic Avionics to access the satellite (*see* FCC File No. SES-STA-INTR2017-02798). This request for short-term earth station operating authority to support IOT for E172B is essential to ensure proper functioning of the satellite and permit the near-term transition of traffic from E172A.

In File No. SES-MFS-20170721-00787, HPT submitted Form 312 Schedule B and other information regarding its proposed earth station operations, as well as Form 312 Schedule S and other information regarding E172B's satellite operations. Although it believes these materials fully support grant of the requested STA, HPT would be pleased to submit any additional information necessary for the Commission to act favorably on this request.

**2. Contact**

<b>Name:</b>	Frank R. Jazzo, Esq	<b>Phone Number:</b>	703-812-0470
<b>Company:</b>	Fletcher, Heald & Hildreth, PLC	<b>Fax Number:</b>	703-812-0486
<b>Street:</b>	1300 N 17th Street 11th Floor	<b>E-Mail:</b>	jazzo@fhhlaw.com
<b>City:</b>	Arlington	<b>State:</b>	VA
<b>Country:</b>	USA	<b>Zipcode:</b>	22209 -
<b>Attention:</b>		<b>Relationship:</b>	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 SESMFS2017072100787 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

7. City

8. Latitude  
(dd mm ss.s h) 0 0 0.0

9. State	10. Longitude (dd mm ss.s h) 0 0 0.0
11. Please supply any need attachments. Attachment 1: STA Request                      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: 5px 0;"> This application requests special temporary authority to operate Ka-band earth stations on 176E to provide in-orbit testing services to support the E172B satellite. </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. <div style="text-align: right;"> <input checked="" type="radio"/> Yes                      <input type="radio"/> No </div>	
14. Name of Person Signing Leeana A. Smith-Ryland	15. Title of Person Signing Chief Executive Officer
<b>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).</b>	

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