

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.