

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.