

Universal Space Network

Call Sign E110171

Request for 60-day Special Temporary Authority

Narrative

Universal Space Network (“USN”) seeks Special Temporary Authority (“STA”) for 60 days to add the WorldView Legion 1-12 satellites (“Legion,” Call Sign S2129) as points of communication for both TT&C and payload communications to its fixed earth station located in Clewiston, FL (the “Clewiston Earth Station,” Call Sign E110171). See IBFS File No. SAT-MOD-20180918-00073 (granted June 13, 2019); IBFS File Nos. SAT-MOD-20210506-00060, SAT-AMD-20210802-00094, SAT-AMD-20210909-00120, and SAT-AMD-20220107-00003 (all granted Apr. 8, 2022). For the avoidance of doubt, USN seeks STA for the same technical parameters as in the companion, still-pending modification application to add Legion as points of communication. See IBFS File No. SES-MOD-20220425-00396 (filed Apr. 25, 2022) (“USN Legion MOD”).

USN already has authority to communicate with WorldView-1 through -3, which also operate under Call Sign S2129. See IBFS File No. SES-LIC-20111114-01353 (granted Apr. 13, 2012); IBFS File No. SES-MOD-20140305-00129 (granted Apr. 13, 2021). In addition, USN previously had temporary authority to communicate with Legion, see IBFS File No. SES-STA-20220425-00414 (granted Sept. 30, 2022), but such authority expired before the launch of Legion. The public notice describing that authority described authority only for TT&C operations. See *Satellite Communications Services Information re: Actions Taken*, Public Notice, Report No. SES-02505 (rel. Oct. 5, 2022). However, in the instant application USN makes clear that it seeks authorization for both TT&C and payload communications, as specified in the underlying modification application. See USN Legion MOD. USN seeks prompt grant of this STA so that it may commence operations prior to the launch of the first WorldView-Legion satellite.

The instant application for STA seeks to communicate with Legion as specified in the underlying modification application. For convenience, USN reproduces the relevant technical parameters here:

(1) TT&C uplink

Center Frequency: 2085.6785 MHz

Emission Designator: 1M32G1D

Polarity: RCHP

(2) TT&C Downlink

Center Frequency: 8380 MHz

Emission Designator: 625KG1D

Polarity: LHCP

Max Transmit EIRP: 0.0dBW

Max Transmit EIRP Density: -54.0dBW/Hz

(3) Payload Downlink

Center Frequency: 8185 MHz

Emission Designator: 320MG7D

Polarity: RCHP

Max Transmit EIRP: 31.1dBW

Max Transmit EIRP Density: -51.8dBW/Hz