

Special Temporary Authority Request

Space Logistics, LLC (“Space Logistics”) requests Special Temporary Authority (“STA”) to conduct launch and early orbit phase (“LEOP”) operations for MEV-1 (Call Sign S2990) using 200 kHz channels centered on 3698.00 MHz (downlink) and 5924.00 MHz (uplink).¹ MEV-1 will communicate on these frequencies only with an earth station in Uralla, Australia and a backup earth station in Kumsan, South Korea, if necessary.²

Use of the proposed frequencies is expected to be less than twenty-four hours and has been coordinated with all relevant operators in the LEOP path. Because of the uncertainty associated with the launch date and to provide operational flexibility,³ Space Logistics requests a 30-day STA commencing upon grant of the application. The requested temporary operations will facilitate launch and operations of MEV-1 and, accordingly, will serve the public interest.

¹ Space Logistics’ proposed use of the frequency bands complies with the Table of Frequency Allocations. The proposed frequencies are within bands, 3650-3700 MHz and 5850-5925 MHz, that are internationally allocated for Fixed-Satellite Service. See 47 C.F.R. § 2.106. Downlink transmissions at 3698.00 MHz will have the technical characteristics specified in the application for conventional C-band operations (*e.g.*, maximum transmit EIRP density of 35.69 dBW/Hz and maximum transmit EIRP of 17.32 dBW). See Schedule S, Application of Space Logistics, File No. SAT-LOA-20170224-00021 (filed Feb. 24, 2017).

² Intelsat License LLC (“Intelsat”) has separately filed several applications to provide LEOP and telemetry, tracking, and command services to MEV-1 from a number of U.S. earth stations using the following frequencies: 5927.50 MHz, 6170.00 MHz, and 6180.00 MHz for uplinks; and 3944.50 MHz, 3955.50 MHz, and 4199.80 MHz for downlinks. See, *e.g.*, Application of Intelsat, File No. SES-STA-20190904-01198 (filed Sept. 4, 2019).

³ MEV-1 was originally scheduled for launch on September 30, 2019. The launch has not yet been officially rescheduled but is expected soon.