

Request for Special Temporary Authority

Muon Space Inc (“Muon”) hereby requests Special Temporary Authority to make certain orbital adjustments for a period of 60 days while a parallel request for regular authority is pending.¹ As detailed in that application, Muon seeks to increase the operational altitude of MuSat-3 from 525 km +/- 25 km, to 550 km +/- 25 km. This 25 km increase will not materially alter Muon’s prior demonstrations that its system will comply with all applicable PFD limits and will not cause harmful interference to other terrestrial or space-based systems. Indeed, Muon previously sought, and the Commission granted, authority for MuSat-3 to operate at a maximum altitude of 575 km +/- 25km.² Likewise, an increase in maximum operational altitude will not affect Muon’s previous orbital-debris analysis, which accounted for both a 500 km minimum and 600 km maximum operational altitude.³

¹ See Application, Muon Space Inc., MuSat-3 Orbital Debris Mitigation Plan, ICFS File No. SAT-MOD-20240614-00133 (Jun. 14, 2024).

² See Grant of Authority, ICFS File Nos. SAT-MOD-20240614-00133, SAT-AMD-20240927-00207 (granted Apr. 15, 2025); Application, Muon Space Inc., Technical Attachment 12-16, ICFS File No. SAT-MOD-20240614-00133 (Jun. 14, 2024). To the extent necessary, this analysis is hereby incorporated by reference.

³ See Application, Muon Space Inc., MuSat-3 Orbital Debris Mitigation Plan, ICFS File No. SAT-MOD-20240614-00133 (Jun. 14, 2024). To the extent necessary, this analysis is hereby incorporated by reference.