

EXHIBIT A

ORBITAL DEBRIS RISK MITIGATION PLAN

Between launch and the lunar surface, FLIP will be mounted as a payload to Astrobotic's Griffin-1 lander. It will not intentionally release any debris at any point throughout the mission, up to the point of disposal on the lunar surface. Because the FLIP rover will not separate from the Griffin-1 lander until arrival on the lunar surface, Astrolab has requested a partial waiver of sections 4 through 9 of 47 CFR 25.122(d)³⁰ to the extent the sections are inapplicable to the FLIP mission and which have, instead, been provided in the Astrobotic Application.³¹ For completion, Astrolab has provided herein the requirements of the orbital debris-related sections of 47 CFR 25.122(d) relevant to the FLIP mission following egress from the Griffin-1 lander, and has referenced the Astrobotic application for those sections in which Astrobotic has provided the applicable information.

Collision Avoidance with Inhabitable Spacecraft³²

Astrolab will not have control of the spacecraft during transit through orbits used by inhabitable spacecraft. See the Astrobotic Application Certifications at Section 3.4 for design and operational strategies used by Astrobotic to minimize the risk of collision and to avoid posing operational constraints to inhabitable spacecraft.

³⁰ See 47 CFR 25.123(c) (requiring the information specified in 47 CFR 25.122(d) to be provided in applications filed pursuant to 47 CFR 25.123).

³¹ See Application of Astrobotic, ICFS File No. SAT-LOA-20250407-00094, at Revised Narrative (filed May 22, 2025) ("Astrobotic Application Certifications"); 47 CFR 25.122(d)(10).

³² 47 CFR 25.122(d)(4).

Orbital Collision Risk and Coordination³³

Astrolab will not have control of the spacecraft while in orbit. See the Astrobotic Application Certifications at Section 3.5 for steps taken to coordinate with other spacecraft and what measures Astrobotic plans to use to avoid collision. While on the lunar surface, the FLIP rover will be maneuvered effectively to avoid collisions for the entirety of its mission.

Space Station Identification and Tracking³⁴

Astrolab will use telemetry markers to identify transmissions to and from FLIP and to ensure it is tracked. However, FLIP has no destination orbits distinct from those of the Griffin-1 lander and its tracking and ephemeris will thus be identical. Furthermore, should a conjunction notice be filed for the Griffin-1 lander, Astrobotic will be the responding party. FLIP will not release any debris that would otherwise need to be tracked by the 18th Space Control Squadron. See the Astrobotic Application Certifications at Section 3.6 for Astrobotic's plans to identify and track the Griffin-1 lander, including while hosting the FLIP rover.

Maneuverability and Deorbit Systems³⁵

As a rover, FLIP has flexibility towards selecting and maneuvering to the location of its disposal. After FLIP's mission is complete, FLIP will be disposed of on the Lunar surface at a location determined in coordination with NASA that will not impede future lunar operations.

Planned Proximity Operations³⁶

No proximity operations will be conducted during the mission.

³³ 47 CFR 25.122(d)(5).

³⁴ 47 CFR 25.122(d)(6).

³⁵ 47 CFR 25.122(d)(7).

³⁶ 47 CFR 25.122(d)(8).

Disposal Success Probability³⁷

Disposal success is inherently dependent on the Griffin-1 lander for operations prior to egress from the Griffin-1 lander. Following egress, FLIP will be disposed of on the Lunar surface, resulting in a 1.0 disposal success rate.

³⁷ 47 CFR 25.122(d)(9).