

Instructions for proposers using lunar Gateway capabilities

Gateway is expected to host external payloads, providing power, data links and communications. For small external payloads (WMI/ORI interface), the following is planned:

Power	Max 500 W (TBC)
Data	TTE, 1 Gbps effective
Thermal	Payload-provided, passively cooled
Communications	Up to 100 Mbps downlink, near continuous communications available
Operational Volume	1 m x 1 m x 1 m (TBC)

The Gateway is expected to operate in a Near Rectilinear Halo Orbit (NRHO) in a fixed tail-to-Sun orientation, so that the Gateway attitude rotates once a month with respect to the Earth-Moon frame. Proposers should consult the document “Gateway PL IF 2019-04-19” and the International External Robotic Interoperability Standards document Robotics-020918_R1.

Further information will be posted in the Program Library when it is available.

This document, and other Gateway documents in the Program Library, may be updated periodically, but no later than 30 days before the proposal due date. It is each proposer’s responsibility to check for updates.

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