



2027 Human Lander Challenge (HuLC) Phase 1 Scoring Matrix



Proposal Evaluation Criteria (Max 95 points)	Excellent	Very Good	Good	Fair	Poor	Missing
Technical Credibility and Feasibility (Max 50 points) - Objectives are clearly articulated, and solution enables or advances NASA's exploration goals (see NASA Exploration Goal References below). - Demonstrates applicability for operation in cislunar and/or lunar environments - Demonstrates feasibility for addressing lunar communications needs, supported by evidence of technical maturity, compliance with HuLC constraints, and potential for meaningful impact on HLS challenges - Demonstrates system-level impacts with sufficient technical detail, analysis, and design. Contains realistic assumptions, justification, and supporting evidence for the proposed solution - Provides a thorough and feasible verification and validation approach - Identifies risks associated with development, verification, and validation of the solution, with accompanying mitigation plans	50	40	30	20	10	0
Technical Innovation (Max 25 points) Demonstrates a new or novel concept, capability, technology, architecture, approach, or application for lunar communications	25	20	15	10	5	0
Technical Management (Max 20 points) - Development and implementation plan is adequate and thorough, and the path-to-adoption schedule and milestones are reasonable and clearly defined - Estimated costs and associated margins or uncertainties are reasonable and reflective of the proposed solution's required technical development and maturity - Demonstrates a credible path for successful development, implementation, and/or adoption of the proposed solution - Proposal is clearly written, well organized, and effectively communicated - Adheres to all HuLC Guidelines, including AI/LLM usage acknowledgements	20	16	12	8	4	0
Video Evaluation Criteria (Max 5 points)	Excellent	Very Good	Good	Fair	Poor	Missing
- Effectively communicates key aspects of the team's concept and/or improves understanding of the proposed solution - Video is organized, visually effective, and easy to follow, with content clearly supporting the proposed solution	5	4	3	2	1	0
Total Possible Points for Proposal Package (Max 100 Points)						

Criteria Assessment

- Excellent** = Criteria is fully met with exceptional merit, as documented by numerous or significant strengths with no major weaknesses.
- Very Good** = Criteria is met with high merit and little errors; strengths fully out-balance any weaknesses and none of those weaknesses constitute fatal flaws.
- Good** = Criteria is met with a credible response and a few errors; strengths and weaknesses essentially balance each other.
- Fair** = Criteria is only nominally met and significant errors are apparent; weaknesses outweigh any strengths.
- Poor** = Criteria is not met and /or has serious flaws; one or more weaknesses constitute fatal flaws.
- Missing** = No effort was made to meet criteria.

NASA Exploration Goal References:

- [NASA's Lunar Communications and Navigation Architecture](#)
- [NASA's Plan for Sustained Lunar Exploration and Development](#)
- [NASA's Initial and Sustained Artemis Human Landing Systems](#)