



2025 Human Lander Challenge (HuLC) Proposal Package Scoring Matrix

Proposal Package Evaluation Criteria (Max 100 Points)							
Criteria	Excellent	Very Good	Good	Fair	Poor	Missing	Max
TECHNICAL INNOVATION <ul style="list-style-type: none"> How innovative is the proposed solution? How clearly articulated and motivated are the proposed solution's objectives? How well does the proposed solution enable NASA's exploration goals and align with the HuLC Guidelines related to advanced cryogenics? (Refer to NASA's Plan for Sustained Lunar Exploration and Development and NASA's Initial Sustained Artemis Human Landing Systems.) 	40	32	24	16	8	0	40
TECHNICAL CREDIBILITY <ul style="list-style-type: none"> Is the proposed solution appropriate for application and operation in deep space and lunar environments? How feasible is the proposed solution in addressing risks posted by advanced cryogenic vehicles in terms of technical maturity, adherence to the HuLC constraints, and potential to directly contribute to resolving HLS challenges? Has the team proposed a solution with system-level impacts, realistic assumptions, and rigorous technical analysis and design? How feasible and thorough is the verification and validation for the proposed solution? Are the risks associated with development, verification, and validation of the solution well captured and mitigation plans defined? 	40	32	24	16	8	0	40
TECHNICAL MANAGEMENT <ul style="list-style-type: none"> Is the proposed development and implementation plan adequate and thorough, with a path-to-adoption schedule and milestones clearly defined and reasonable? Are the estimated costs and any carried margins/uncertainties reasonable and reflective of the proposed solution's required technical development and maturity? Does the proposed solution have a high likelihood of success? How well written, organized, and communicated is the proposal? 	15	12	9	6	3	0	15
VIDEO <ul style="list-style-type: none"> Video highlights aspects of the team's concept(s) and/or increases understanding of the proposed solution. 	5	4	3	2	1	0	5

<ul style="list-style-type: none"> • Video content is aesthetic, organized, and flows. Ideas are communicated clearly, and viewers can easily follow the material. 							
Total Possible Points for Proposal Package							100

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.