



PRELIMINARY FEASIBILITY FORM EVALUATION CRITERIA

Description of Operations Evaluation

The CASIS Operations team, who may consult as needed with NASA and outside technical experts, conducts a technical feasibility review of proposals to ensure payload viability and overall readiness/feasibility for flight. This review is an unscored, pass–fail initial screening; however, CASIS may consider an interview with the investigator(s) to clarify technical elements of the proposal as well as the proposed budget and schedule in order to make its determination. Specifically, the technical feasibility review considers the following elements (not a comprehensive list):

- Logistics: Proposed resources including implementation partner support, facility needs for ground testing and flight operations support, use of ISS crew for research support, power and data requirements, weight, and any known hazards
- Hardware: Availability, limitations, appropriate planned use and (alternatively) the costs and feasibility of proposed new hardware development
- Projected Budget and Time Frame: Preflight development and testing considerations, time to flight and time to completion
- Hazards: Procedures, situations and materials that could potentially be hazardous and a plan to mitigate any identified issues
- Questions: Follow-up questions for the investigator(s), including as appropriate—
 - Revised methods/analyses, and how results will be collected, analyzed, and interpreted
 - Awareness of potential barriers and ideas about alternative approaches

Description of Terrestrial Benefit Evaluation

CASIS will evaluate the feasible proposals that passed the Operational review. Like the operational review, the terrestrial benefit review process will be scored on a pass-fail basis. The review will be evaluated on the commercial and intangible benefits including:

- Application Leverage
- Market Innovation
- New Revenue Potential
- Social/Humankind Benefits