ISS NATIONAL LABORATORY®
CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE

INFORMATION REQUESTED FOR THE ONLINE STEP 1: CONCEPT SUMMARY FORM FOR
ISS NATIONAL LAB RESEARCH ANNOUNCEMENT (NLRA) 2025-6: LEVERAGING THE ISS NATIONAL LAB FOR STEM EDUCATION AND WORKFORCE DEVELOPMENT

Concept summaries must be submitted electronically using the concept summary portal. This document lists the information requested on the online concept summary form. Offerors are advised to work offline using the information contained in this document as a reference before entering information on the online form. Offerors must complete all sections of the online concept summary form. Required information is indicated with a "Yes" in the "Required" column.

Information Requested	Required?	Description
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APPLICANT INFORMATION		
Type of submission	Yes	Choices: New, Resubmission For resubmissions, offerors should ensure they have reviewed and incorporated feedback from their previous submission.
Principal investigator (PI)	Yes	List a single principal investigator (PI) who is a U.S. person that will be responsible to the offeror's organization for the scientific and technical direction of the project. CASIS® can only accept proposals from and award projects to U.S. persons at U.S. entities. The offeror may have non-U.S. persons on the team as subcontractors or participants, but the offeror's organization (or Entity), the PI, and the co-PI must all qualify as U.S. persons.
Email	Yes	Provide the email address of the PI. An email address is required to submit a concept summary.
Phone	No	Provide the offeror's telephone number.
PI position/title	No	Provide the offeror's position or title.

Information Requested	Required?	Description
PI citizenship status	Yes	A U.S. person is a natural person who is a lawful permanent resident as defined in 8 U.S.C. 1101(a)(20) or who is a protected individual as defined by 8 U.S.C. 1324b(a)(3). It also means any corporation, business association, partnership, society, trust, or any other entity, organization, or group that is incorporated to do business in the U.S. It also includes any governmental (federal, state, or local) entity.
Country of citizenship other than U.S.	Yes	Enter the country of citizenship if somewhere other than the United States.
Project type	Yes	Choices: Flight, Ground, Other. Select Flight if your project involves an experiment or technical demonstration on the ISS. Otherwise select Ground.
Space experience	Yes	Indicate the PI's relative level of experience designing an experiment for space.
How did you hear about this research announcement? (Select one)	Yes	Choices: ISS National Lab website, Email, News article, Advertisement, NASA, NSF, ISS Research and Development Conference, Other conference, Other (please describe)
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ORGANIZATIONAL INFORMATION		
Organization legal name	Yes	Provide the name of the institution/organization at which the PI is employed.
Organization registration	Yes	Choices: U.S. Entity, Non-U.S. Entity
In which state is the organization incorporated/based?	No	Identify the U.S. state in which the company was formed.
Organization type	No	Choices: Commercial, Academic, Government, Nonprofit
Organization address	Yes	Provide the address of the institution/organization.
Organization Unique Entity ID		Unique Entity IDs (UEI) are issued by the U.S. General Services Administration (GSA) via the System for Award Management (SAM.gov). SAM registration is required to submit a Step 2: Full Proposal. If an offeror is unable to obtain a UEI in time for submission of the Step 1: Concept Summary, indicate the date for which one was applied.

Information Requested	Required?	Description
Is this research or technology subject to U.S. export laws and regulations?	Yes	U.S. export control laws and regulations include, but are not limited to, the requirements of the Arms Export Control Act, 22 U.S.C.2751- 2799, including the International Traffic in Arms Regulation (ITAR), 22 C.F.R. 120-130.; and the Export Administration Act, 50 U.S.C. app. 2401-2420, including the Export Administration Regulations, 15 C.F.R. 730-774; including the requirement for obtaining any export license or other approval.

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PROJECT OVERVIEW AND ANTICIPATED BENEFITS		
Title of project	Yes	Provide a title for the proposed project.
Brief project description	Yes	In clear and concise layman's terms, provide up to three sentences that summarize the project. This description is solely for CASIS internal use and will not be released to the public.
Key words	Yes	Enter the most relevant words that describe the proposed project.
Project objectives	Yes	• In this section, summarize the proposed project. Explain the vision and rationale and how the project demonstrates effective use of the ISS National Lab. Include primary goals and deliverables. • Describe the offeror's organization and the key personnel on this project, including their names, titles, and qualifications. Identify any key partners and their roles. Provide a high-level timeline. Explain the expectations for operational support from the ISS National Lab (e.g., support from the CASIS education team for things such as competition judging or promotion of a program via social media; support from the CASIS payload operations team if the project is a flight project). • Explain the educational and/or workforce development plan, including the target audience(s), anticipated number of participants, engagement plan, and learning goals. Describe any curriculum support materials that will be developed for the project. Define the expected learner outcomes and impact.

		• Briefly describe the formative and summative evaluation tools that will be used to track outcomes and learner impact during and post program delivery. How long will participants be tracked? • Explain the plan to sustain project funding after award. Will the program grow in scale or content?
Rationale for ISS (flight projects only)	Yes, but only for flight projects	A response is required for flight projects only. Choices: Extended access to microgravity; Extreme environmental conditions; Unique vantage point; Other
Rationale for ISS – comments (flight projects only)	Yes, but only for flight projects	A response is required for flight projects only. Clearly describe where gravity is impeding progress on Earth, where space has been shown to produce relevant superior outcomes, and/or whether conducting the project in space is inherent to the project's success.
Concept of operations (flight projects only)	Yes, but only for flight projects	A response is required for flight projects only. • Provide a short description of the proposed project, focusing on the technical approach for the in-orbit experiment and how it links to the achievement of the project's objectives. • Provide a basic description of the project's in-orbit requirements and experimental setup. • If known, describe any specific hardware or in-orbit facilities necessary to support this project. • Define the logistical support and payload return requirements. • Identify any preliminary discussions the offeror has had with an Implementation Partner, including evidence that the Implementation Partner can meet the proposed technical and schedule requirements. • If known, provide an in-orbit operations timeframe (i.e., desired launch date and flight duration). • Offerors anticipating the requirement for iterative flight projects are encouraged to generally describe those successive experiments. (Note: Only one flight project at a time will be funded.)
Do you require assistance in identifying an Implementation Partner? (flight projects only)	Yes, but only for flight projects	A response is required for flight projects only. Answer Yes or No. Implementation Partners are organizations that work with the ISS National Lab to provide services related to payload development. A list of Implementation

		Partners can be found at https://www.issnationallab.org/implementation-partners.
Does your proposal include programming that contributes to workforce development?	Yes	Answer Yes or No. The ISS National Lab regards workforce development as the creation and implementation of programs, training, and skills building that helps develop a world-class STEM workforce to ensure the nation's scientific, technological, and economic leadership.
Indicate which type of workforce development applies (check all that apply)	Yes	Choices: __ K-12 workforce development __ Higher education workforce development (includes colleges, universities, community/junior colleges, and vocational-technical schools)
STEM education and/or workforce development impact	Yes	Discuss the anticipated educational impact of this project in terms of the following: • Ways the project utilizes Next Generation Science Standards and advances U.S. leadership in space-based research or industry-related workforce development (https://www.nextgenscience.org/). • The nature of any experiential learning that the project provides • If, and how, the project contributes to the development of a STEM-literate society • Mechanisms, metrics, and time frame for measuring STEM engagement • Degree to which partnerships are utilized in implementing the STEM engagement/workforce development plan
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Estimated Project Funding		On this page, provide a budgetary estimate for the project and sources of funds to cover those costs. Enter all cost figures into the unlocked cells in the table. All funds must be entered in full dollar amount. The total from all funding sources (Line Item 8) must equal the total project funding required (Line Item 3). The budget may be amended if the offeror is invited to submit a Step 2: Full Proposal.
1. Project Costs	Yes	Project costs are those direct costs and indirect costs (e.g., overhead (OH) and general and administrative (G&A) or facilities and administrative costs (F&A)) to manage the project.
2. Implementation Partner (Mission Integration & Operations) Costs	Yes	Implementation Partner (IP) costs are the costs for an IP to make a payload flight ready. IP services include the design, development, integration, in-orbit capabilities and facilities, and assistance required to complete NASA Verification and Validation (V&V) activities.
3. Total Project Funding Required	N/A (formula field)	This is the estimated cost to complete the project. This will be the sum of Line Items 1 and 2 and is automatically calculated. The value of this Line Item must equal the value in Line Item 8 (Total from All Funding Sources).
Funding Source		
4. Funds Provided by PI's Organization	Yes	This refers to the funds that the offeror's organization is contributing directly to the project. It does not include in-kind contributions (see Line Item 7).
5. Funds Requested from CASIS (5a + 5b)	N/A (formula field)	This is the total amount of funding the offeror is requesting from CASIS to cover any shortfall in project expenses. This will be the sum of Line Items 5a and 5b and is automatically calculated. The amount must be less than or equal to Line Item 3 (total project funding). The value for Line Item 5 will be zero ($0) if the applicant is not requesting CASIS funding.
5a. Project Funding Requested from CASIS	Yes	This is the amount of funding the offeror is requesting from CASIS exclusive of Implementation Partner costs (see Line Item 5b).

5b. Implementation Partner (Mission Integration & Operations) Funding Requested from CASIS	Yes	This is the amount of funding the offeror is requesting from CASIS to cover Implementation Partner costs. Implementation Partners contract directly with CASIS.
6. Funds Provided by Other Sources	Yes	This is the total contributions from sources outside of the offeror's organization other than funds requested from CASIS. These may include other government grants and SBIRs, academic or commercial partnerships, etc. Offerors should indicate in their response to the Budget and Funding Sources field whether they have secured the funds from other sources or have simply requested the funds. CASIS recommends that applicants secure such external funding when possible.
7. In-Kind Contributions	Yes	This value should include the estimated value of any facilities, hardware, or support services provided by the offeror's institution to support the project.
8. Total from All Funding Sources (must equal Line Item 3)	N/A (formula field)	This will be the sum of Line Items 4 through 7 and is automatically calculated. The value of this Line Item must equal the value in Line Item 3.
Budget and Funding Sources	Yes	• If the project is receiving funds from an external source, identify the organization and funding amount. • Does the offeror or any funding partners have the intent, resources, or experience to develop and/or commercialize project outcomes?
Attachment (Maximum 1 file)	No	Only one file (in PDF format) may be attached. Attach only useful, supplemental information. Possible examples include, but are not limited to, the PI's biographical sketch and references cited.
Additional Comments	No	In the space provided, enter any additional narrative needed to describe the proposed project.