



ISS NATIONAL LABORATORY*

INFORMATION REQUESTED FOR THE ONLINE STEP 1B: TECHNOLOGY ROADMAP: NLRA 2024-9

Technology Roadmaps must be submitted electronically using the online submission portal. This document lists the information requested on the online submission 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 proposal form. Required information is indicated with a “Yes” in the “Required?” column. Character limits are also listed in the Required column.

Information Requested	Required?	Description and field character limits
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APPLICANT INFORMATION		
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 (as defined below). 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.
PI email	Yes	Provide the email address of the PI. An email address is required to submit a Step 1B: Technology Roadmap.
PI phone	No	Provide the offeror's telephone number.
PI position/title	No	Provide the offeror's position or title.
ORGANIZATIONAL INFORMATION		
Organization legal name	Yes	Provide the name of the institution/organization at which the PI is employed.
Organization registration	Yes	Indicate either: U.S. Entity or Non-U.S. Entity
Organization address	Yes	Provide the address of the institution/organization.

Information Requested	Required?	Description and field character limits
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. If “Yes,” is selected, please provide a description in the next box. This field has a 255-character limit.
If yes selected to question above, please describe	No	This field has a 255-character limit.
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<p align="center">TECHNOLOGY ROADMAP BUDGET</p> <p>This online budget section is meant to be an overall view of project funds and costs. If you have multiple sources for a category detail that breakdown within the budget section of the technology roadmap narrative, the phased budget table, and or the submitted Gantt chart. These fields are input with real dollar values. These values can differ from the concept submission budget amounts.</p>		
1. Project Costs (not including implementation partner costs) for all phases	Yes	This refers to the direct costs and indirect costs (e.g., overhead (OH) and general and administrative (G&A), or finance and administrative costs (F&A) to manage the project.
2. Implementation Partner (Mission Integration & Operations) Costs for all phases	Yes	This refers to the costs for an Implementation Partner (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 Costs for all phases	n/a	This is the estimated cost to complete the project across all phases. 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 8.
4. Funds from the PI's organization for all phases	Yes	These are funds that the offeror's organization is contributing directly to the project. <u>It does not include in-kind contributions (see line item 6)</u>

Information Requested	Required?	Description and field character limits
5. Funds from other sources or outside organizations for all phases	Yes	This is the total contributions from sources outside of the offeror's organization other than funds requested from CASIS
6. In-Kind Contributions for all phases	Yes	This value should include the estimated value of any facilities, hardware, or support services provided by the offeror's organization to support the project
7a. Project funds requested from CASIS (not including implementation partner funding) for all phases	Yes	For this solicitation, offerors may request funding from CASIS exclusive of Implementation Partner costs.
7b. Implementation Partner (Mission Integration & Operations) Funding Requested from CASIS for all phases	Yes	This is the amount of funding the offeror is requesting from CASIS to cover Implementation Partner costs.
7. Total Funds requested from CASIS for all phases	n/a	This is the total amount of funding the offeror is requesting CASIS to cover any shortfall in project expenses. This will be the sum of line items 7a and 7b and is automatically calculated. The amount must be less than or equal to line 3 (total project costs). The value for line 7 will be zero (\$0) if the applicant does not request CASIS funding.
8. Total from All Funding Sources (must equal Item 3)	n/a	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
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TECHNOLOGY ROADMAP NARRATIVE SUBMISSION		
<u>Note:</u> A three step or more increase in TRL <u>requires</u> explanation in the narrative submission		
Title of project from approved concept	Yes	Provide the title of your project from the Step 1A Concept Submission referenced in your Step 1B invitation notification. (255-character limit)
Beginning TRL	Yes	Select the beginning TRL from a dropdown list
Beginning TRL justification	Yes	Justify why this beginning TRL level has been selected (1000-character limit)
Ending TRL	Yes	Select the ending TRL from a dropdown list
Ending TRL justification	Yes	Justify why this ending TRL level has been selected. (1000-character limit)

Information Requested	Required?	Description and field character limits
Implementation Partner	Yes	Select the Implementation Partner from the dropdown list that the offeror has selected for the project.
Other Implementation Partner	No	If the Implementation partner the offeror has selected is not in the drop-down list, identify them here. (255-character limit)
Changes from Concept Submission	Yes	Provide a list of changes to stated objectives, technical approach, concept of operations, and/or project cost (with rationale) between the approved step 1 concept and this step 1B Technology Roadmap. These changes should address the feedback given from the ISSNL via the step 1 notification letter. (1400-character limit)
Attach Technology Roadmap Narrative document	Yes file upload	Please submit a single, unencrypted word document using no less than 12-point font, one-inch margins, and 8 ½ by 11-page size. <u>Please limit this response to a maximum of five pages</u> (Gantt chart not included in page count).
Attach Gantt Chart (as one file) Multiple file extension types are allowed	Yes file upload	Attach a detailed multiphase Gantt chart with start and end dates for each phase, task-oriented milestones, and interdependencies clearly identified. The Gantt chart should also: <ul style="list-style-type: none"> - Address the research objectives for each project phase. - Identify relevant, progressive milestones for each phase. - Contain sufficient slack to accommodate anticipated risks. - Define quantifiable success criteria that validate readiness to move forward for each phase. - If applicable, include alternative paths that recognize assumptions may not be realized and/or risks may not be mitigated.
Additional Applicant Comments	No	Optional. In this field enter any comments related to the technology roadmap submission and or the process. (1400-character limit)