



## ISS National Laboratory Resource Request Form

**Implementation Partner Name:** Click or tap here to enter text.  
**Submitted by:** Click or tap here to enter text.  
**Submitted Date:** Click or tap to enter a date.

**Discrete Project Information**

**Project/Payload Name:** Click or tap here to enter text.  
**Customer/Principal Investigator:** Click or tap here to enter text.  
**Additional Parties/ Investigators?** See Page 5 for instructions and data input  
**Customer/Investigator Email:**  
**Customer/Investigator Organization:** Click or tap here to enter text.  
**Organization Type:** Choose an item.  
**Science Type:** Choose an item.

The Customer/Principal Investigator/ Organization qualifies as a U.S. person per 22 CFR § 120.15\*?  Yes  No, Country of origin

### ISS Resource Requirements

<b>Accommodation (carrier)</b>	Choose an item.
<b>Estimated Hardware Readiness Date (turnover date)</b>	Click or tap to enter a date.
<b>Desired Launch/Increment</b>	Click or tap here to enter text.
<b>Parent Mission</b> (If the payload is part of a larger mission complement, list the name at right, otherwise enter N/A)	Click or tap here to enter text.
<b>Hardware/Facility to be used</b>	Click or tap here to enter text.
<b>Upmass (kg)/Downmass(kg)</b>	Click or tap here to enter text.
<b>Volume (cm3)</b>	Click or tap here to enter text.
<b>Power on ISS (peak)</b>	Click or tap here to enter text.
<b>Estimate Crew Time (hrs) (installation/operations)</b>	Click or tap here to enter text.
<b>Mission Duration</b>	Click or tap here to enter text.



<p><b>Other Special Requirements</b> (Late stowage, cold stowage, powered ascent/descent, other. For late stow, include science justification)</p>	<p>Click or tap here to enter text.</p>
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## Project Background

### 1. Project Summary

*[Enter a high-level description of the experiment to be used for external communication purposes. Why is the research being executed? How will the data generated be used? What is the rationale for the use microgravity or ISS? If applicable, provide information regarding potential market opportunity size, and expected time to market. If multiple investigations, provide a summary of each.]*

Click or tap here to enter text.

### 2. Research Objectives

*[Enter the research objectives, specific aims, or goals of the experiment(s). What is the intended or potential outcome of the experiment(s)?]*

Click or tap here to enter text.

### 3. Concept of Operations

*[Provide concept of operations for the project. Describe pre-flight, flight, on-orbit, post-ops, return requirements. Note any NASA facilities or hardware required to execute the research objectives. Provide conditioned stowage requirements if applicable, and justification for late load or early return requests.]*

Click or tap here to enter text.

### 4. Minimum Success Criteria

*[Enter the minimum mission success criteria, i.e. how many experimental runs, minimum experiment duration, other timing considerations, etc.]*

Click or tap here to enter text.

### 5. Provide any Business Considerations

*[Describe any business considerations that would influence the payload integration activities. This could include items like funding limitations, funding authority priorities, scheduling dependencies or constraints (ex. 'Desire to complete operations before June 2018, before key high school student investigators will graduate. '), etc. Provide information on any unique business related requirements, or other contractual agreements. If no significant items are identified, enter 'N/A'.] (credit NASA)*

Click or tap here to enter text.

### 6. Project Outcomes

*[If applicable, which specific product, service or research outcome will result from or will be improved by this flight project? How exactly will this study contribute to the development and/or improvement of this product/service/research outcome? Why is the ISS flight project essential for the development efforts? What TRL is the technology currently at, and what TRL would the technology be assuming a successful project?]*

## 7. Budget Information

*[Please provide a rough order of magnitude estimate of the total project costs or sponsor investment in the project. This number is considered an estimate and not auditable. The data is reported as an aggregate total to our stakeholders to better articulate the value of the ISSNL. Provide verification that customer has secured all funds necessary to complete the project (i.e., letter of support, have secured grant).]*

Click or tap here to enter text.

## 8a. Complete this section for Public Engagement and/or Workforce Development submissions only

*{Check all that apply, if known}:*

### **Public Engagement: Potential to serve large numbers of diverse participants**

- Designed to include easy, affordable access
- Highly motivating for participants
- High potential for growth over time
- Broad geographical application
- Supports multiple education levels
- Participants share their work with the broader community

### **Workforce Development: Anticipated degree of challenge and relevance to future careers**

- Engages participants in inquiry-based learning
- Inspires a willingness to take risks for a new idea
- Provides deeper engagement and training for interested participants
- Participants do authentic research using data from ISS experiments
- Exposes participants to space related careers
- Uses mentors or other support specialists

### **8b. Duration of Experience (average per participant during the program)**

Click to select a level.

### **8c. Sophistication of Experience {select the most suitable option}**

Click to select a level.

### **8d. Number of participants directly involved in the project**

Click or tap here to enter text.



**Mandatory Flow Downs**

User (Commercial Service Provider) certifies that the mandatory terms and conditions contained in paragraphs 6-23 of the Umbrella User Agreement UA-20XX-XXXX have been agreed to by the Principal Investigator’s Sponsoring Organization/Institution (“Customer”) via:

**SELECT ONE:**

The mandatory terms and conditions have been agreed to through a signed agreement/contract between the user and customer.

The mandatory terms and conditions have been agreed to through the ISS NL provided Discrete Project Agreement (“DPA”) Attachment E to the User Agreement referenced above. User shall provide a fully signed copy of the DPA to CASIS for each discrete project.

**USER (Commercial Service Provider Representative) – SUBMISSION**

X

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Name:

Title:

Date:

**CASIS Approval**

Approved By:

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Michael Roberts, Ph.D.

Chief Scientific Officer

CASIS

Date Approved: [Insert Date]

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Ramon Lugo

President and Chief Executive Officer

CASIS

Date Approved: [Insert Date]

