

Systems Engineering Advance Services (SEAS)

All deliverables and requirements must follow the guidelines in NNG15CR66C with no exceptions

Task Order Statement of Work (SOW)

Date: 22 September 2020

Task Name: Instrument and Europa Clipper Project Systems Engineering and Management Support

Task No./Mod: 96/6 → Changes are noted in RED text

Task Monitor (TM): Caitlin E. Bacha

Contract number: NNG15CR66C

Task Modification Change Log

Modification #	Date	Purpose/Changes
0	9/20/2018	Initial mod to add support for the task, Period of Performance 10/1/2018 through 9/30/2019
1	8/19/2019	Extend Period of Performance through 9/30/2020
2	8/29/2019	Administrative
3	1/15/2020	Administrative
4	5/19/2020	Administrative
5	8/3/2020	Extend Period of Performance through 10/14/2020
6	4/14/2021	Extend the Period of Performance through 4/14/2021

The purpose of Modification 6 is to extend the period of performance through 4/14/2021, to continue existing scope and add an additional Systems Engineering resource to provide support from 10/15/2020 to 4/14/2021.

SEAS Task 96, Mod 5

1.0 Scope:

1.1 Task Overview--Instrument and Project Systems Engineering and Management Support:

This task provides experienced Project and Instrument systems engineering and management support to Code 597. The primary focus of the support is the Europa Clipper Propulsion Subsystem, being built in-house by Code 597. Other instruments/projects in the Code 490 Division may also be supported.

1.2 Skill Set/Knowledge required:

The contractor shall provide senior personnel with at least 20 years of experience with in-house GSFC development projects in technical and management roles. Experience should include familiarity with requirements, design, build and test of spacecraft subsystems, including propulsion subsystems, and should include knowledge of management of GSFC in-house efforts, including scheduling, budgeting, risk management and reporting.

2.0 Statement of Work:

1.1 Code 597 support:

- Develop and maintain Subsystem Risk database
- Work with project team members to maintain schedule and risk status
- Support PDL's in contract and technical management
- Support Subsystem Lead in developing required Monthly Management reports
- Work with scheduling and EVM experts to accomplish required earned value reports
- Review and approve Plans, Documents, and work-orders
- Work with resource analyst to prepare cost estimates and lien packages
- Provide other support as requested by the Subsystem Lead
- **Provide an additional Systems Engineering resource**

1.2 Code 490 support:

- Support instrument/project reviews when requested

3.0 Deliverables:

Deliverable	Due Date	Recipient
Monthly Financial Reports	Monthly	Subsystem Lead
Monthly Management Reports	Monthly	Subsystem Lead
Schedule updates	Weekly	Subsystem Lead
Risk updates	Weekly	Subsystem Lead

4.0 Travel:

Contractor will be required to travel to support Propulsion Subsystem component design reviews.

5.0 Work Location:

Work will be performed at GSFC.

6.0 Period of Performance: **Mod 6: October 15, 2020 through April 14, 2021 (Overall Task Period of Performance is 10/3/2018 – 4/14/2021).**