

██████ Task Order (TO) for Program System Engineering (PSE) Support, ██████

ORDER No.: ██████

SUBJECT OF WORK: SCaN Program Systems Engineering Support Task

1. BACKGROUND & DESCRIPTION OF WORK TO BE PERFORMED:

Background information:

The Space Communication and Navigation program office has a requirement for subject matter expertise to support the Program System Engineering Directorate. The following task will support the program in its endeavor to develop plans and documentation for SCaN architecture, networks, technology, and data standards.

Description of Requirement:

██████ shall provide support for the following Work Breakdown Structure (WBS) elements within PSE. ██████ shall provide support as requested with expertise in the following System Engineering (SE) areas as required by the specific tasks:

- Engineering expertise in space communications and/or navigation networks (design, operations, and maintenance), technologies, and/or space data standards;
- Engineering expertise in space communications, network, and/or navigation analysis of coverage, link performance, throughput, latency, qualities of service, network performance, and tracking;
- Technical expertise in definition of requirements, concepts of operation, architecture, integration, verification, and validation;
- Technical expertise in conducting engineering trade studies including modeling and analyzing system behavior, defining Figures of Merit (FOM) and Technical Performance Measures (TPM), and modeling and analyzing cost.
- Business acquisition strategy expertise to support analysis of commercial capability, alternate business approaches, and cost-performance studies.

██████ does not have sole responsibility for delivering any of the PSE products defined in the tasks; all products are the result of joint effort between NASA and the contractor. ██████ shall provide a 1-page monthly statement of current, cumulative, and estimated funding levels and costs incurred, showing costs broken out by PSE WBS element.

PSE WBS elements requiring support are as follows:

1. Systems Engineering Management (SEM) (WBS 2.1)
 - a. Systems Engineering Management Plan (SCaN-SEMP) and SCaN Document Tree: ██████ shall provide support as requested to maintain the SEMP and Document Tree.
 - b. Review Data Packages: ██████ shall provide support as requested to integrate and assemble the data packages for milestone reviews.

5. TASK MONITOR

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]