

Task Order Total Cost (Total Estimated Cost + Total Maximum Fee): \$30,260,852.10

**SSO SUPPORT
STATEMENT OF WORK (SOW)**

Task Order No. 3 / Mod: 28
Task Monitor (TM): Scott Kinney

Contract SOW Reference:

Section 3.8 – Safety & Mission Assurance Support Office (SSO) and Section 3.9 - Information Assurance

1. SCOPE

The Contractor shall perform safety and mission assurance support services for the Safety and Mission Assurance (SMA) Support Office (SSO) consistent with the contract SOW. The contractor shall perform the tasks identified in Section 3 and the requirements include all work in TO-3 mod 0 through 27 except where noted as changed.

2. PERIOD OF PERFORMANCE

The period during which the work for this task shall be performed is from May 11, 2017 thru September 30, 2021, unless specified otherwise in specific SSO Project Plans.

3. TASK DESCRIPTIONS

Safety and Mission Assurance (SMA) Support: The Contractor shall perform safety and mission assurance support services for the SMA Support Office (SSO). The work to be performed by the contractor includes work completed under prior mods and FY20 work defined in a set of SSO project plans listed in the table below.

SSO/ Group	SSO Project	SSO Project Plan
Office-Level Support,	[REDACTED]	[REDACTED]
	Office Level Support	FY21 SSO Project Plan - Office Level [REDACTED]

SSO/ Group	SSO Project	SSO Project Plan
Mission Protection Services Group, ECM folder: [REDACTED]		
	Cybersecurity Capabilities	FY21 SSO Project Plan - [REDACTED]
	Cyber Lab Infrastructure	FY21 SSO Project Plan - [REDACTED]
	MPS Lifecycle and Integration	FY21 SSO Project Plan - [REDACTED]
	Cyber Assessment Team	FY21 SSO Project Plan - [REDACTED]
	GMSEC	FY21 SSO Project Plan - [REDACTED]
	L-9 Vulnerability Assessment	FY21 SSO Project Plan - [REDACTED]
Engineering Services Group, ECM folder: [REDACTED]		
	DOE Insider Threat Program	FY21 SSO Project Plan - [REDACTED]
	DOE MAPPRITE <i>(note: planned through 3/31/2021)</i>	FY21 SSO Project Plan - [REDACTED]
	Enterprise Managed Cloud Computing (EMCC)	FY21 SSO Project Plan - [REDACTED]

SSO/ Group	SSO Project	SSO Project Plan
	ARC MMOC	FY21 SSO Project Plan - ARC MMOC.docx Generation [REDACTED]
	GCC	FY21 SSO Project Plan - [REDACTED]
S&MA Group, ECM folder: [REDACTED]		
	CCP S&MA Support	FY21 SSO Project Plan - [REDACTED]
	S&MA Outreach	FY21 SSO Project Plan - Outreach - [REDACTED]
	WFF Project Support	FY21 SSO Project Plan - Outreach - [REDACTED]
	SARP - Software Defect Proneness	FY21 SSO Project Plan - [REDACTED]

4. DELIVERABLES/SCHEDULES/MILESTONES

Contractor shall electronically submit all deliverables directly to the designated ECM folder. All formal deliverables shall be in a format approved by the CO and COR.

5. PLACE OF PERFORMANCE

Nominally, all IV&V Program personnel should be located at the NASA Katherine Johnson IV&V Facility in Fairmont, WV, unless the contractor has coordinated with the government for work in other locations on specific projects.

6. Modification Notes

Mod 28 of the TO-03 SOW; adds FY21 tasking for the GCC Project and the SARP SW Defect Proneness Project

Cancelled Mod 28 of the TO-03 SOW; adds scope/tasking for the FY21 Project Plan – Outreach – WFF Project Support

Mod 27 of the TO-03 SOW; adds scope/tasking to four projects:

- FY21 SSO Project Plan - Cybersecurity Capabilities,
- FY21 SSO Project Plan - Cyber Lab Infrastructure,
- FY21 SSO Project Plan - MPS Lifecycle and Integration, and
- FY21 SSO Project Plan - CAT.

Mod 26 of the TO-03 SOW; incorporates the initial version of FY21 SSO Project Plans for all SSO projects.

Mod 25 of the TO-03 SOW; add the FY20 SSO Project Plan - Glenn Research Center Datacenter Assessment.

Mod 24 of the TO-03 SOW; for the FY20 SSO Project Plan – S&MA Support. Adds additional tasking for monitoring OFT response actions and additional software insight tasks.

Mod 23 of the TO-03 SOW; for the FY20 SSO Project Plan - MPS Lifecycle and Integration.docx Generation. Expanded the role in threat research. Added requirements for Artemis CBRA and development of an approach to dynamic analysis, simulation and testing for mission security.

Mod 22 of the TO-03 SOW; the FY20 SSO Project Plan – Goddard Community Cloud is added

Mod 21 of the TO-03 SOW; three FY20 SARP project plans were added

Mod 20 of the TO-03 SOW; all project plans were updated to address FY20 work scope; in addition, the following updates were made:

- a. Changed the name of the Cybersecurity Group to the Mission Protection Services Group
- b. Added Office Level Support Project Plan.
- c. Removed the Secure Coding Portal Project Plan.
- d. Added Cyber Lab Infrastructure Project Plan.
- e. Renamed the CSA Integration Project Plan and expanded the scope to include MPS Lifecycle Analysis. The new project is called MPS Integration and Lifecycle Analysis.
- f. Merged OSMA HQ Support with S&MA Outreach Project Plan.
- g. Merged WFF ACDS SA with WFF Project Support.

Mod 19 of the TO-03 SOW; the following updates were made:

1. Substantive changes [REDACTED]
 - a. Added new project, Cloud Security Assessment, under the Engineering Services Group.

Mod 18 of the TO-03 SOW; the following updates were made:

1. Substantive changes [REDACTED]
 - a. Modified WFF Project Support effort adding the Enterprise Architecture tasking, updating status of the WOSS tasking as complete and administrative updates.

Mod 17 of the TO-03 SOW; the following updates were made:

1. Substantive changes [REDACTED]
 - a. Modified EMCC Project adding learning and continuous improvement process of cloud security assessment tools and technical capabilities.
 - b. Modified DOE MAPPRITE adding additional services for the architecture prototype work.

Mod 16 of the TO-03 SOW; the following updates were made:

1. Substantive changes [REDACTED]
 - a. Modified IV&V Surveillance Project adding an end date for the project of December 31, 2018

Mod 15 of the TO-03 SOW; the following updates were made:

1. Substantive changes [REDACTED]
 - a. Added the L-9 Cybersecurity Assessment Team - Vulnerability Assessment project
 - b. Modified the OSMA HQ Support project requirements

Mod 14 of the TO-03 SOW the following updates were made:

1. Substantive changes [REDACTED]
 - a. Added the three SARP projects listed in section 3
 - i. cFS FSW V&V
 - ii. Effective SA
 - iii. Secure SW Portal

Note that Mods 9, 10, 11, 12, and 13 were administrative changes that did not affect the SOW.

Mod 8 of the TO-03 SOW the following updates were made:

1. Substantive changes [REDACTED]
 - a. Updated all project plans to reflect FY19 tasks.
 - b. Deleted project plans for Ames Security Operations Center IA Support and DOE Personnel Security Support.
 - c. Merged project tasks for General Office Support into the following projects: CCP S&MA Support, CCP IV&V Surveillance, OSMA HQ Support, S&MA Outreach, WFF ACDS Support, and WFF Projects Support.

- d. Merged project tasks for IA Assistance into existing Cybersecurity Capabilities project.
 - e. Merged WFF RDDS Hazard Analysis and WFF WOSS Analysis into WFF Project Support and added tasking for WFF Wind Weighting support.
 - f. Renamed Information Assurance Capabilities project to be the CSA Integration project.
 - g. Added new project ARC MMOC.
2. Formatting Changes
- a. Added grouping of projects to reflect the new SSO Group structure. The groups are reflected in the table that lists the projects and their project plans.

Mod 7 of the TO-03 SOW the following updates were made:

- 1. Substantive changes:
 - a. Modified Project: DOE MAPPRITE adding services for starting architecture prototype work. This work is expected to carry over into FY19

Mod 6 of the TO-03 SOW the following updates were made: Substantive changes [REDACTED]

- 1. Substantive changes:
 - a. Modified Project: Adds services for assessment and modifies task scope to include development of SARW guidance

Mod 5 of the TO-03 SOW the following updates were made:

- 1. Substantive changes:
 - a. New Project: WFF ACDS SA
 - i. SA tasking for the Advanced Command Destruction System (ACDS) that is expected to carry over into FY19.

Mod 4 of the TO-03 SOW the following updates were made:

- 1. Substantive changes:
 - a. Modified Project : WFF WOSS Analysis
 - i. Adds tasking for WOSS Risk Calculator and updates the title of the project plan making it more general to encompass new work

Mod 3 of the TO-03 SOW the following updates were made:

- 1. Superficial cleanup:
 - a. Correct period of performance to reflect the actual start of the TO with the start of the SAS contract.
 - b. Changed all project plan reference to the “baselined” ECM “Make-Gen” objects. These are locked versions that clearly identify which version of the project plan the contractor was asked to respond to in a particular TO mod.
- 2. Substantive changes [REDACTED]
 - a. New Project: WFF RDDS Hazard Analysis
 - b. New Project: WFF STING Risk Assessment
 - c. Modified Project: S&MA Outreach (Generation2) - Removes requirement for hazard analysis at WFF since this is now project funded under new SSO Project, WFF RDDS Hazard Analysis.