

**ADVANCED SYSTEMS & TECHNOLOGY**

**(U) ATTACHMENT J-1, OPEN FRAMEWORK AREA(S) OF INTEREST – ARCHITECTURE AFTER NEXT**

**(U) Version 2.0, 17 November 2021**

***Part of AS&T’s FY21-25 Open BAA Framework – Architecture After Next***

**(U) CHANGE MANAGEMENT LOG**

**FOR**

**ATTACHMENT J-1, OPEN FRAMEWORK AOI – AAN**

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| --- | --- | --- | --- | --- |
| **VERSION** | **DATE** | **REVISED BY** | **AREA AFFECTED** | **REMARKS** |
| 1.0 | 15 October 2020 | Karen McGrath | All | Initial Release |
| 2.0 | 17 November 2021 | Jennifer Hughes | All | Updated entire document where applicable extending Framework through 30 September 2025. |
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| **NOTE**: Process for all Framework document version control: Initial version will be 1.0. Identify subsequent versions in the same FY by numerically increasing the number following the decimal, e.g., 1.**1**, 1.**2**, 1.**3**, etc. When an update in the following FY is required, the numerical version will change from **1**.X, to **2**.X, etc. If no changes are required in a given FY, a numerical change is not required. The review of all Framework documents occurs at FY-end and documented in requisite CMLs per guidance herein. | | | | |
| **Table is Unclassified** | | | | |

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# (U) OVERVIEW

(U) This Attachment J-1 – Open Area(s) of Interest (AOI), Architecture after Next (AAN) defines the AOI associated with Advanced Systems and Technology’s (AS&T) Fiscal Year (FY) 2021 through FY 2025 (21-25) Open Broad Agency Announcement (BAA) Framework – AAN. Reference the FY21-25 AS&T Open BAA Framework documents found on the unclassified and classified Acquisition Resource Center (ARC) websites identified in [Table 1.0, ARC URLs](#Table_1_ARC_URLs).

|  |  |
| --- | --- |
| UNCLASSIFIED ARC | CLASSIFIED ARC |
| <https://acq.westfields.net> | <https://acq.nro.ic.gov> |
| Table 1.0 – (U) ARC URLs | |
| **Table is Unclassified** | |

# (U) FUNDING AND PERIOD OF PERFORMANCE

(U) Proposed efforts shall have a period of performance not-to-exceed 12-months with funding requirements not-to-exceed $2,000,000 United States (US) dollars.

# (U) AREA(S) OF INTEREST SCHEDULE

(U) All Phase 1 offers are due at any time during the window specified in [Table 2.0, AOI Schedule](#Table_2_AOI_Schedule). Offers are evaluated periodically and awardable offers may be rank ordered. Offer submission will follow a 2-phase approach as outlined in the aforementioned Open Framework documentation. Contract awards may be made upon successful completion of all evaluation phases and funding availability.

|  |  |  |
| --- | --- | --- |
| DATE | TIME DUE | ACTIVITY |
| = Date of | N/A | AOI ARC Posting |
| 12 January 2022 | 12:00 pm, ET | First day to submit questions |
| 12 January 2022 | 12:00 pm, ET | First day to submit offers |
| 23 September 2025 | 11:30 pm, ET | Last day to submit questions |
| 30 September 2025 | 11:30 pm, ET | Final day to submit offers |
| Table 2.0 – (U) AOI Schedule | | |
| **Table is Unclassified** | | |

# (U) AREA(S) OF INTEREST - AAN

(U) The overall objective of this effort is to perform basic and applied research to identify and mature technologies that can enable fundamentally new or advanced National Reconnaissance Office (NRO) capabilities. Proposers may submit offers in one, multiple, or all of the following AOIs.

## (U) AOI 1 – Adaptive Enterprise

(U) Includes the infrastructure, processing, and functions enabling a seamlessly integrated, self-optimizing intelligence architecture across all domains that is orchestrated and proactive. This architecture will deliver global optimization and synchronization of information sources; autonomous response to dynamic information needs; optimization of functions and resources across domains tailored to the mission need; and understanding of the value of the information to feed back into global optimization ad synchronization.

## (U) AOI 2 – Cooperative Collection

(U) Describes a cooperative behavior that works as a single system with various nodes. A node is a connection point that can receive, collect, send, process, and/or respond to data along diverse, distributed network routes.

## (U) AOI 3 – Autonomous Distributed Cyber-Secure Networking and Communication

(U) Create a secure and resilient packet switching communications network enabling coordinated, cooperative actions.

## (U) AOI 4 – Capability Diversity

(U) Expand the collection capabilities of systems to include new phenomenologies, new domains, new spectrum, and new methodologies to create intelligence products valuable to the Intelligence Community (IC) and the Department of Defense (DoD).

## (U) AOI 5 – Evolved Performance

(U) Improvement of current or planned Overhead Systems in one or more of the following dimensions: system size, weight, power, cost, reliability, availability, survivability, throughput, fidelity of collection, sensitivity of collection, area coverage, revisit rates or persistence, and latency between collection and intelligence production.

# (U) AWARD TYPE

(U) Procurement contracts and other transactions are the two award instruments considered for award under this BAA. Specifically, the Government intends to award firm-fixed price-type contracts as described in FAR 16.202 resulting from successful completion of all evaluation phases and funding availability.

# (U) questions

(U) Questions concerning this J-1 – Open AOI, AAN should be addressed to the Open BAA Framework – AAN Contracting Officer using the questions and answers feature located within the unclassified or classified ARC websites. Proposers should use the “Q&A” tab to submit questions without disclosing proprietary information. Answers will be posted within the same ARC website as the question. The Government will only address questions submitted through the ARC websites. Questions may be submitted in accordance with the dates and times identified above in [Table 2.0](#Table_2_AOI_Schedule). The originator of all questions will be kept anonymous.