

Representative Task Order #2

Title: Replacement of Wallops Range Airport Surveillance Radar

Period of Performance: October 1, 2017 through April 30, 2018 (18 months).

Under this Representative Task Order (RTO), the Offeror shall replace the Airport Surveillance Radar (ASR-8) at Wallops. The current ASR-8 is prone to excessive unplanned downtime due to systems obsolescence, equipment degradation failures due to historical high use, and heavy reliance on another government organization for major maintenance requirements that is often unavailable to respond.

In response to this RTO, the Offeror shall provide a Task Implementation Plan that details the implementation approach and serve as the formal response to this RTO as part of their proposal. The TIP shall define how the Offeror will meet the requirements set forth in this RTO. The TIP shall also define each major milestone as defined by the Offeror in response to the requirements defined in this RTO, the SOW and associated mission requirements documents.

The TIP shall detail how the Offeror will develop detailed requirements including: availability, longevity, size, speed and area of objects tracked; support infrastructure accommodation such as towers; control and compatibility with existing Wallops Range systems; identification and evaluation of excess assets; trade-offs of alternatives; and recommendations. The TIP shall also include a plan for implementation including procurements, a justified sparing philosophy, testing approach, reviews, installation, safety certification testing, configuration management, maintenance, operator proficiency training and operational implementation to ensure effectiveness in meeting mission requirements. The TIP shall define how the Offeror's approach will not compromise the ability to support ongoing launch support requirements defined in the Core Mission Model and RTO #1.

Required technical capabilities and features shall include "see-and-avoid" collision avoidance and communication technology to detect and track both cooperative and non-cooperative targets, and processing of externally provided target acquisition data from other radars utilized as both a source and a destination.

The TIP shall define how the Offeror will manage this obsolescence replacement project encompassing the complete installation at Wallops utilizing project management, facilities engineering, systems engineering, safety, Wallops Range control, logistics, and radar operations support capabilities.

Mission requirements are applicable to pre-launch, launch, aircraft and unmanned aerial vehicle (UAV) operations as defined in the Core Mission Model and in RTO #1.