NOS-T Support Selection

Support for the development of NOS-T technologies or NOS-T demonstrations will be provided by the AIST Program, but request for this support will need to be specified in both Step-1 and Step-2 proposals as “Level-1 support” or “Level-2 support” as described below.

Arizona State University (Dr. Paul Grogan, Lead of the NOS-Testbed) will provide research support to integrate new components and demonstrations on the New Observing Strategies Testbed (NOS-T), as follows:

- Level 1 Support: NOS-T Component. A NOS-T component is a single application that provides dynamic functionality such as observation, coordination, forecasting, ground truth data, etc. within a broader NOS-T scenario. Level 1 support: provides modeling and simulation guidance to develop the component concept, specify message structure and operational behavior, and develop an event-driven software implementation; configures NOS-T platform access; and manages test run configuration and execution including debugging. Level 1 support is budgeted at a total of 0.13 months FTE for Dr. Grogan and 3.2 months FTE for a Research Software Engineer.
- Level 2 Support: NOS-T Full Demonstration. A NOS-T demonstration comprises multiple components that dynamically exchange information during an end-to-end scenario. Level 2 support: provides modeling and simulation guidance to develop the scenario concept, specify component-level message structure and operational behavior, and develop an event-driven software implementation for each component; configures NOS-T platform access; manages individual and integrated test run configuration and execution including debugging; and manages demonstration execution. Level 2 support is budgeted at a total of 0.4 months FTE for Dr. Grogan and 9.6 months FTE for a Research Software Engineer.

Proposers of either an NOS-T component or an NOS-T demonstration must select one of the 2 options (Level 1 or Level 2) for NOS-T support.