

3. PART III – Test and Evaluation Strategy and Implementation

3.1 T&E STRATEGY

- Introduce the program T&E strategy by briefly describing how it supports the acquisition strategy as described in Section 1.3.1.
- The discussions should focus on the testing for capabilities, and address testing of subsystems or components where they represent a significant risk to achieving a necessary capability.
- Describe the scientific approach to designing an efficient test program that will characterize system performance across the operational conditions anticipated to be encountered by users. Summarize with details referenced in the appropriate appendix.
- The strategy should address the conditions for integrating DT and OT tests.
 - [Integrated Testing Guidance and Best Practices](#)
- Evaluations shall include a comparison with current mission capabilities using existing data, so that measurable improvements can be determined.
 - Describe the strategy for achieving this comparison and for ensuring data are retained and managed for future comparison results of evolutionary increments or future replacement capabilities.
 - If such evaluation is considered costly relative to the benefits gained, the PM shall propose an alternative evaluation strategy.
- To present the program's T&E strategy, briefly describe the relative emphasis on methodologies (e.g., Modeling and Simulation (M&S), Measurement Facility (MF), Systems Integration Laboratory (SIL), Hardware-In-the-Loop Test (HILT), Installed System Test Facility (ISTF), Open Air Range (OAR), and Live, Virtual, and Constructive (LVC)).
- Describe the evaluation products.
 - Describe how the products will be linked.
 - Identify the organization that is providing the products and to whom they are being provided.
 - Identify the decision being supported by the products.
 - Ensure sufficient time is allocated for analysis of the products.

3.1.1. Decision Support Key

- Connect key test events to the acquisition decisions they support. Describe the information required to support such decisions.