

3.3.2. Developmental Test Events (Description, Scope, and Scenario) and Objectives

- For each developmental test event shown in the schedule and the DEF, prepare a subparagraph that summarizes: Who is the lead test organization; the objectives of the test event, the test event's schedule; other associated test events, location(s), etc.
- Summarize the planned objectives and state the methodology to test the system attributes defined by the applicable capability requirement document (CDD, CPD, CONOPS) and the CTPs that will be addressed during each phase of DT. Subparagraphs can be used to separate the discussion of each phase.
- For each DT phase, discuss the key test objectives to address both the contractor and Government developmental test concerns and their importance to achieving the exit criteria for the next major program decision point. If a contractor is not yet selected, include the developmental test issues addressed in the Request for Proposals (RFPs) or Statement of Work (SOW).
- Address measurable exit/entrance criteria for each major T&E phase and milestone decision points.
- Discuss how developmental testing will reflect the expected operational environment to help ensure developmental testing is planned to integrate with operational testing.
 - [Integrated Testing Guidance and Best Practices](#)
 - [Software Algorithm Testing Guidance and Examples](#)
- Include key test objectives related to logistics testing.
- Summarize the developmental test events, test scenarios, and the test design concept.
- Quantify the testing sufficiently (e.g., number of test hours, test articles, test events, test firings) to allow a valid cost estimate to be created.
- Identify and explain how models and simulations, specific threat systems, surrogates, countermeasures, component, or subsystem testing, test beds, and prototypes will be used to determine whether or not developmental test objectives are achieved.
- Identify the DT&E reports required to support decision points/reviews and OT readiness.
- Address the system's reliability growth strategy, goals, and targets and how they support the Developmental Evaluation Framework. Detailed developmental test objectives should be addressed in the System Test Plans and detailed test plans (Provide specific details in Appendix F – Reliability Growth Plan).
 - [Reliability Growth Guidance](#)
- Discuss plans for interoperability and cybersecurity testing, including the use of cyber ranges for vulnerability and adversarial testing (Provide specific details in Appendix E – Cybersecurity).
 - [Cybersecurity OT&E Guidance and Example](#)