

### 3.5. OPERATIONAL EVALUATION APPROACH

- Summarize the mission focused evaluation methodology and supporting test strategy, including the essential mission and system capabilities that contribute to operational effectiveness, suitability, and survivability.
  - [Mission Focused Evaluation Guidance and Examples](#)
  - [Baseline Evaluation Guidance with Best Practices](#)
  - [End-to-End Operational Testing Guidance and Examples](#)
  - [Cybersecurity OT&E Guidance and Example](#)
  - [Survey Design and Administration Guidance](#)
- Summarize the operational test events, key threat simulators and/or simulation(s) and targets to be employed, and the type of representative personnel who will operate and maintain the system.
- Summarize integrated testing strategy to include:
  - Developmental test data that will be used for operational evaluation
  - Conditions on data pedigree and test conduct to make data suitable for operational evaluation
  - [Integrated Testing Guidance and Best Practices](#)
  - [Integrated Survivability Assessment Guidance and Best Practices](#)
  - [Force Protection Evaluation Guidance](#)

#### 3.5.1 Operational Test Events and Objectives

- Identify the key operational test objectives for each test event and test phase
- Outline the approach for characterizing the COIs and important MOEs/MOSs across relevant operational conditions.
  - [Realistic Operational Conditions Guidance and Examples](#)
  - [OT of Software Intensive Systems Guidance and Examples](#)

#### 3.5.2 Operational Evaluation Framework The evaluation framework should identify and link:

- The goal of the operational test within a mission context
- The mission-oriented response variables, the factors that affect those variables, and the required test resources
- (Post MS A TEMP) The test designs for strategically varying the factors across the operational envelope
  - [Operational Evaluation Framework Guidance with Examples](#)
  - [Test Instrumentation Guidance and Examples](#)
  - [Software Evaluation Guidance with Examples](#)
- The evaluation framework should focus on the subset of mission-oriented measures critical for assessing operational effectiveness, suitability, and survivability.
  - [Quantitative Mission Focused Measures Guidance with Examples](#)
- (Post MS A TEMP) Use a systematic, rigorous, and structured approach to link major test events and phases to quantitatively evaluate system capabilities across relevant operational conditions.
- (Post MS A TEMP) Describe the statistical test design strategy and corresponding statistical measures of merit (e.g., confidence and power).
  - [Scientific Test and Analysis Techniques Guidance with Examples](#)
- Identify planned sources of information (e.g., developmental testing, testing of related systems, modeling, simulation) that may be used to supplement operational test and evaluation.
- Describe the scope of the operational test by identifying the test mission scenarios and the resources that will be used to conduct the test.
  - [Production Representative Test Articles Guidance and Examples](#)
  - [Test Resources Guidance and Examples](#)