

IOT&E Entrance Criteria – Guidance

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The purpose of IOT&E Entrance Criteria is to ensure that the system under test is ready to commence IOT&E and the required resources are in place to support the test. The intent of this requirement is to ensure that systems do not enter IOT&E before they are sufficiently mature. Premature commencement of IOT&E could result in suspension or early termination because of technical problems that should have been resolved prior to the start of IOT&E. Suspension or early termination of IOT&E will result in an inadequate test and unnecessary waste of resources.

Best Practices for IOT&E Exit Criteria:

- The system has demonstrated acceptable hardware and software performance during mission-focused DT conducted in operationally realistic environments with the hardware and software to be used in IOT&E.
- IOT&E test articles are production representative (as determined by DOT&E).
- Adequate reliability data are available to estimate the reliability of the system under test and the expected IOT&E reliability results.
- Threat surrogates and targets have been validated and approved by the DOT&E.
- All critical issues identified in developmental testing have been resolved or have an acceptable work-around.
- The required test ranges are ready to support all planned events as described in the IOT&E plan, including environmental, safety, and occupational health requirements.
- All required certifications and accreditations are in place.
- The manning for the system is consistent with Concept of Operations and training has been completed consistent with that planned for intended users.
- Pre-IOT&E M&S predictions are based on verified, validated, and accredited modeling and simulation.
- If DT data is required to support the evaluation, the required DT data have been provided to the OTA and DOT&E.
- The logistics system and maintenance manuals intended for use with the fielded system are in place for IOT&E.
- DOT&E has approved the Service-provided IOT&E plan.

References

[Defense Acquisition Guidebook](#)

[DoDI 5000.02, 7 January 2015](#)

Examples