

IOT&E Entrance Criteria – Examples

Example 1

3.3 Certification for IOT&E The Component Acquisition Executive (CAE) will evaluate and determine system readiness for Initial Operational Test and Evaluation (IOT&E). Prior to the CAE's determination of readiness for IOT&E, an independent Assessment of Operational Test Readiness will be conducted by OUSD (AT&L). It shall consider the risks associated with the system's ability to meet operational suitability and effectiveness goals and will be based on capabilities demonstrated during DT&E and OAs, as well as on the criteria described in this TEMP. The final report for DT will provide insight into the system's readiness for IOT&E.

3.3.1 DT&E Information Required Adequate test data will be collected during DT-IIG and DT-IIH to allow the Program Manager to assess and report the system's capabilities against the stated COIs using the MOE/MOS listed in this TEMP prior to IOT&E.

3.3.2 IOT&E Entrance Criteria

- All Milestone C exit criteria have been met.
- DOT&E has approved the IOT&E Test Plan.
- System is projected to meet or exceed the Mean Time Between System Abort threshold during IOT&E.
- Department of the Navy Criteria for Certification listed in Secretary of the Navy Instruction 5000.02 of December 8, 2008 have been satisfied and the system is certified for test.
- All deficiencies identified in previous testing have been resolved.
- All required targets have been accredited and the test range has been adequately surveyed.
- Production representative test articles are available to conduct IOT&E.
- Adversarial cyber security test team has been identified and is funded for testing.
- OTRR is completed and DOT&E concurs with proceeding to test.

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Example 2

Table 3.3 Dakota Helicopter IOT&E Entrance Criteria

ENTRANCE CRITERIA	ASSESSMENT METHODOLOGY
<p>Maneuver Flight Performance Hover Out-of-ground Effect (HOGE): with 3400-pound payload Range: 250 nautical miles Endurance: 2 hours 40 minutes</p>	<p>Characterize hover, speed, range, and endurance performance in developmental flight testing. Estimate aircraft performance at threshold atmospheric conditions (6,000 feet pressure altitude, 95 degrees Fahrenheit) through analysis.</p>
<p>Reliability Point estimate for system reliability for Mean Time Between Essential Maintenance Actions (MTBEMA) must be greater than 2.3 hours</p>	<p>Demonstrate in developmental flight testing. Limited User Test result was 2.6 hours MTBEMA.</p>
<p>Survivability 30-Minute Continued Safe Operation following a single hit by XXX Armor Piercing Incendiary Projectile. (Classified Requirement) Vulnerability Area for main rotor drive components and rotor blade damage size should not exceed XXX. (Classified Requirement)</p>	<p>Review LFT&E data and Service LFT&E report</p>
<p>New Mission Capability Demonstrate Remote Control of Unmanned Aircraft sensor</p>	<p>Demonstrate remote control in developmental testing with both aircraft in flight at operational ranges.</p>
<p>Software Maturity No Priority 1 or 2 software problem reports</p>	<p>Review developmental test data and reports.</p>
<p>Certifications of IOT&E aircraft by appropriate agencies.</p>	<p>Air Worthiness and Safety Release for flight operations with typical aircrew.</p>
<p>Successful completion of OTRR.</p>	<p>T&E WIPT Concurrence</p>