

# Realistic Operational Conditions - Guidance

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## **General Guidance**

Operational testing in support of Full-Rate production decisions shall be conducted under realistic operational conditions.

The Operational Test Agencies shall design the test to conform to the anticipated wartime operational tempo and provide detailed tactics, techniques, and procedures to the participating forces. Other considerations for realistic operational conditions include typical operators and maintainers, a [mission focused evaluation](#), the use of [production representative test articles](#), adequate [threat representation](#), [end-to-end testing](#) and [baseline evaluation](#) when appropriate, [cyber security testing](#), and selection of [mission-focused metrics](#) in the design of experiments (DOE) analysis.

For each operational test, the TEMP will describe the [resources](#), personnel, site selection, tactical considerations, and other factors intended to ensure appropriately realistic operational conditions. Specific resources and [production representative test articles](#) will be described in of the TEMP.

## **References**

[Title 10, U.S. Code, Section 139](#)

[Test and Evaluation Policy Revisions, DOT&E, December 22, 2007](#)

[Procedures for Operational Test and Evaluation of Cybersecurity in Acquisition Programs, DOT&E, August 1, 2014](#)