

Systems Integration Test and Evaluation

Systems Integration Test and Evaluation of Artificial Intelligence-Enabled Capabilities

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Preface

CDAO's T&E of AIEC framework is organized into four T&E focus areas. While these T&E focus areas help break critical aspects of T&E into digestible pieces, they are neither mutually exclusive nor cleanly delineated in real testing.

Systems Integration (SI) T&E evaluates an AI component within its larger system to ensure that the AIEC functions as a holistic unit and identify its limitations and risks.

None



A high-level document in DoD acquisitions that guides test planning and execution.

- Captures the mission(s) a capability is intended to perform and all hardware and interfacing systems in the test design.
- Identifies and prioritizes T&E objectives to inform and justify data requirements necessary to support program decisions.
- Specifies the resources required to conduct T&E and identifies shortfalls in resourcing that will require investments.
- Describes the test activities necessary to evaluate the capability and inform acquisition, technical, and program decisions.