

TEMP Development Checklist

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TEMP Outline

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TEMP Format	Checklist	DoD 5000.2 (May 12, 2003)	Defense Acquisition Guidebook (http://akss.dau.mil/dag/GuideBook/PDFs/GB_Nov2006.pdf)
Cover Page	Contains PM signature; user, developer, OTA concurrences; and component approval		
	Contains correct signature blocks: Submitted by: <ul style="list-style-type: none"> • Program Manager Concurrence: <ul style="list-style-type: none"> • Program Executive Officer or Developing Agency (if not under Program Executive Office Structure) • Operational Test Agency (s) • User's Representative DOD Component Approval: <ul style="list-style-type: none"> • DOD Component test and Evaluation Director(s) Approval (if on DT&E oversight) • DOD Component Acquisition Executive(s) OSD Approval <ul style="list-style-type: none"> • Cognizant OIPT Leader Director, Operational Test and Evaluation 		9.10. Test and Evaluation Master Plan Recommended Format
	Contains a coordination sheet and signatures of all the organizations participating in the T&E WIPT.		9.10. Test and Evaluation Master Plan Recommended Format
	1. PART I - SYSTEM INTRODUCTION a. Mission Description	References the capabilities document and the Information Support Plan (ISP)	
Briefly summarizes the mission need described in the ICD (MNS)			9.10. TEMP Format 1.a.
Describes the mission in terms of objectives and general capabilities			9.10. TEMP Format 1.a.
Includes a description of the operational and logistical environment envisioned for the system			9.10. TEMP Format 1.a.
1. PART I - SYSTEM INTRODUCTION b. System Description	Briefly describes the system design, to include the following items:		9.10. TEMP Format 1.b.
	Describes the key features and subsystems, both hardware and software (such as architecture, interfaces, security levels, reserves) for each increment configuration, allowing the system to perform its required operational mission		9.10. TEMP Format 1.b.(1)
	Interfaces with existing or planned systems that are required for mission accomplishment		9.10. TEMP Format 1.b.(2)
	Address relative maturity and integration and		9.10. TEMP Format

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g/GuideBook/PDFs/GB
Nov2006.pdf">http://akss.dau.mil/da g/GuideBook/PDFs/GB Nov2006.pdf)
	modifications needed for commercial items.		1.b.(2)
	Include interoperability with existing and /or planned systems of other DoD Components or Allies.		9.10. TEMP Format 1.b.(2)
	Contains an accurate description and picture of the Operational View (OV-1)		9.10. TEMP Format 1.b.(2)
	Describes the critical system characteristics or unique support concepts resulting in special test and analysis requirements (e.g., post deployment software support, resistance to chemical, biological, nuclear, and radiological effects; resistance to countermeasures; resistance to reverse engineering/exploitation efforts (Anti-Tamper); development of new threat simulation, simulators, or targets).		9.10. TEMP Format 1.b.(3)
	Contains a clear and accurate summary of the program and acquisition strategy, to include a description of each increment		
	Clarifies the increment(s) to which the T& E Strategy focuses and how it fits into the overall acquisition strategy (i.e. other increments from the same or different systems)		
1. PART I - SYSTEM INTRODUCTION c. System Threat Assessment (STA)	References the System Threat Assessment and briefly summarizes the threat environment described therein		9.10. TEMP Format 1.c.
	Reference the STA and briefly summarize the threat environment described therein.		9.10. TEMP Format 1.c.
	Describes plans to update the STA.		
1. PART I - SYSTEM INTRODUCTION d. Measures of Effectiveness (MOE) and Suitability (MOS)	Lists in a matrix format (see example in Defense Acquisition Guidebook) the performance (operational effectiveness and suitability) capabilities identified as required in the approved JCIDS document	E 5.1.4 E 5.1.5	9.10. TEMP Format 1.d.
	Contains a crosswalk between the critical operational effectiveness and suitability parameters and constraints and those parameters used in the Analysis of Alternatives. Includes manpower, personnel, training, software, computer resources, transportation (lift), compatibility, interoperability and integration, Information Assurance (IA), Electromagnetic Environmental Effects and Spectrum Supportability, etc		9.10. TEMP Format 1.d.
	Focuses on operational capabilities, not design specifications such as weight, size, etc		9.10. TEMP Format 1.d.
	Limits the list to the critical measures that apply to capabilities essential to mission accomplishment		9.10. TEMP Format 1.d.

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	Includes and clearly identifies all key performance parameters (KPPs)		9.10. TEMP Format 1.d.
	For each listed parameter, provides the threshold and the objective values from the requirement document and references the paragraph		9.10. TEMP Format 1.d.
	For each applicable increment of development, links the system's performance capabilities to the required mission capabilities in the ICD.	E 5.1.12.	
1. PART I - SYSTEM INTRODUCTION e. Critical Technical Parameters (CTP)	Lists in a matrix format the critical technical parameters of the system (including software maturity and performance measures) that will be evaluated (or reconfirmed if previously evaluated) during the remaining phases of developmental testing	E 5.1.5.4.	9.10. TEMP Format 1.e.(1)
	Limits the list of critical technical parameters to those that support critical operational issues	E 5.1.5.4.	9.10. TEMP Format 1.e.(1)
	Lists a threshold for each stage of development next to each technical parameter	E 5.1.5.4.	9.10. TEMP Format 1.e.(2)
	Lists the decision(s) supported after each event to highlight technical performance required before entering the next acquisition or operational test phase	E 5.1.5.4.	9.10. TEMP Format 1.e.(2)
	Includes technical parameters for technical interoperability	E 5.1.5.4.	9.10. TEMP Format 1.e.(3)
	For each applicable increment of development, links the CTPs to the system's performance capabilities.	E 5.1.5.4	
2. PART II - INTEGRATED TEST PROGRAM SUMMARY a. Integrated Test Program Schedule	Displays on a chart (see figure 1, Chapter 9, Defense Acquisition Guidebook) the integrated time sequencing of the test and evaluation phases and events, related activities (to include major modeling and simulation developments, statutory and regulatory reports), and planned cumulative funding expenditures by appropriation.	E 5.1.4.1	9.10. TEMP Format 2.a.(1)
	Reflects major phases of contractor and government DT&E, LFT&E, OAs, OT&E; PDR, CDR; major T&E reports, e.g. M&S Verification, Validation, and Accreditation (VV&A); DT&E report for IOT&E readiness; IOT&E certification; IO certification; JITC testing/certification, BLRIP report	E 5.1.4.2	9.10. TEMP Format 2.a.(2)
	Provide a single schedule for multi-DoD Component or Joint and Capstone TEMPs showing all DoD Component system event dates.		9.10. TEMP Format 2.a.(3)
	Provide the date (fiscal quarter) when the decision to proceed beyond low-rate initial production is planned.		9.10. TEMP Format 2.a.(4)
2. PART II - INTEGRATED TEST PROGRAM SUMMARY b. Management	Discusses the test and evaluation responsibilities of all participating organizations (developers, testers, M&S manager, evaluators, users)		9.10. TEMP Format 2.b.(1)
	Identifies the T&E WIPT structure, to include the sub-		9.10. TEMP Format

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	WIPTs, such as a Modeling & Simulation or Reliability, with their participating organizations		2.b.(2)
	Provides the proposed or approved performance Exit Criteria to be assessed at the next major decision point	3.7.2 3.8.2	9.10. TEMP Format 2.b.(3)
	Contains sufficient detail of the test and evaluation responsibilities for those persons not having convenient access to the charter		9.10. TEMP Format 2.b.(2)
	For a TEMP update, generated by a program breach or significant change, provides the Acquisition Decision Memorandum-approved Exit Criteria from the current phase's beginning milestone decision, or any revised ones generated by the breach or significant change		9.10. TEMP Format 2.b.(3)
	Identifies PM's responsibility to provide DT&E report and progress assessment to USD(AT&L) and DOT&E prior to IOT&E	E 5.1.6.	
	Identifies PM's responsibility to provide DT&E report and progress assessment to USD(AT&L) and DOT&E prior to incremental IOT&E.	E 5.1.6	
3. Part III - Developmental Test and Evaluation Outline a. Developmental Test and Evaluation Overview	Explains how developmental test and evaluation verifies the status of engineering and manufacturing development progress	E 5.1.5	9.1 9.3.1 9.1.6 9.10. TEMP Format 3.a.
	Verifies design risks have been minimized		9.10. TEMP Format 3.a.
	Verifies anti-tamper provisions have been implemented	3.7.1.1	9.10. TEMP Format 3.a.
	Substantiates achievement of contract technical performance requirements		9.10. TEMP Format 3.a.
	Explains how DT&E will be used to certify readiness for dedicated operational test	E 5.1.5.6	9.10. TEMP Format 3.a.
	Specifically identifies:		
	Any technology/subsystem that has not demonstrated its ability to contribute to system performance and ultimately achieve the desired mission capabilities		9.10. TEMP Format 3.a.
	The degree to which system hardware and software design has stabilized so as to reduce manufacturing and production decision uncertainties		9.10. TEMP Format 3.a.
	Identifies the reliability growth plan describing the testing and anticipated reliability growth of the system throughout its development.		9.6.2.2
	Describes hardware and software maturity success criteria		9.6.1.2
	Describes a test strategy, to include M&S, that builds up from component to sub-system to system to system-of-system level testing		9.3.1

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	Describes an event-driven strategy that includes a process for the identification, implementation, testing, and evaluation of corrective actions prior to the next test	E 5.1.2	9.3.1
	Describes how system interoperability certification will be demonstrated	E 5.1.4.9 E 5.1.5.8	9.6.2.2
	Describes how hardware and software testing will be conducted to demonstrate the operational requirement including maintenance and logistics		9.6.2.2
	Describes how Information Assurance & DITSCAP Certification will be demonstrated	E 5.1.5.7	9.3.1 9.9.2.3
	Describes how safety and personnel survivability will be demonstrated	E 5.1.5.5 E 7.1.8	9.3.1 9.4.6
	For financial management systems, describes how compliance factors established by OUSD (C) will be demonstrated	E 5.1.5.9	7.6.3.6 7.6.3.9
	Describes how spectrum management will be demonstrated		7.6.3.2
	Describes how electromagnetic effects will be demonstrated		7.6.3.2 7.6.3.6 7.6.3.9
3. Part III - Developmental Test and Evaluation Outline b. Future Developmental Test and Evaluation	Discusses all remaining developmental test and evaluation, including system-of-system and family-of-systems that is planned, beginning with the date of the current TEMP revision and extending through completion of production.	E 5.1.4	9.10. TEMP Format 3.b. 9.6.2.2 9.8.2
	Emphasizes the next phase of testing.		9.10. TEMP Format 3.b.
	Configuration Description		9.10. TEMP Format 3.b.(1)
	Summarizes the functional capabilities of the system's developmental configuration and how they differ from the production model		9.10. TEMP Format 3.b.(1)
	Developmental Test and Evaluation Objectives		9.10. TEMP Format 3.b.(2)
	States the test objectives for this phase in terms of the critical technical parameters to be confirmed, to include anti-tamper characteristics	E 5.1.2	9.10. TEMP Format 3.b.(2)
	Provides a table of success criteria corresponding to the Critical Technical Parameters to be confirmed, or for each major phase of DT&E, or combination of both	E 5.1.2 E 5.1.4.1	9.10. TEMP Format 3.b.(2)
	Identifies any specific technical parameters that the milestone decision authority has designated as exit criteria and/or directed to be demonstrated in a given phase of testing	E 5.1.2 E 5.1.4.1	9.10. TEMP Format 3.b.(2)
	Developmental Test and Evaluation Events, Scope of Testing, Basic Scenarios, and		9.10. TEMP Format 3.b.(3)

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	Integrated Test Opportunities		
	Summarizes the test events, test scenarios and the test design concept		9.10. TEMP Format 3.b.(3)
	Identify the DT strategy for Information Assurance (IA) assessment addressing the test process, measures of performance, and appropriate threat documentation. Identify IA end-to-end testing, including links to other systems in preparation for OT. (DOT&E policy for Operational Test and Evaluation of Information Assurance in Acquisition Programs, dated Nov 21, 2006)		
	Quantify the testing (e.g., sample sizes, number of test hours, test events, test firings).		9.10. TEMP Format 3.b.(3)
	Lists the specific threat systems, surrogates, countermeasures, component or subsystem testing, and test beds that are critical to determine whether or not developmental test objectives are achieved		9.10. TEMP Format 3.b.(3)
	As appropriate, particularly if an agency separate from the test agency will be doing a significant part of the evaluation, describes the methods of evaluation		9.10. TEMP Format 3.b.(3)
	Lists all models and simulations to be used to help evaluate the system's performance, and when they will be used. Explain the rationale for their credible use and provide their source of verification, validation and accreditation (VV&A)	E 5.1.4.7	9.10. TEMP Format 3.b.(3)
	Describes how performance in natural environmental conditions representative of the intended area of operations (e.g., temperature, pressure, humidity, fog, precipitation, clouds, electromagnetic environment, blowing dust and sand, icing, wind conditions, steep terrain, wet soil conditions, high sea state, storm surge and tides, etc.) and interoperability with other weapon and support systems, as applicable, to include insensitive munitions, will be tested		9.10. TEMP Format 3.b.(3)
	Describes what parts of the natural environment is intended to be represented with M&S.		9.10. TEMP Format 3.b.(3)
	Describes the developmental test and evaluation plans and procedures that will support the JITC/DISA interoperability certification recommendation to the Director, Joint Staff (J-6) in time to support the FRP Decision Review	E 5.1.4.9 E 5.1.5.8	9.10. TEMP Format 3.b.(3)
	Describes the entrance and success criteria to be met for each individual test	E 5.1.5	9.10. TEMP Format 3.b.(3)
	Describes test phases and events that will provide opportunities to integrate testing with contractors and operational testers	E 5.1.4.6 E 5.1.12.3	9.10. TEMP Format 3.b.(3)
	Limitations		9.10. TEMP Format 3.b.(3)
	Discusses the test limitations that may significantly affect the evaluator's ability to draw conclusions, the		9.10. TEMP Format 3.b.(3)

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	impact of these limitations, resolution approaches.		
	Describes how the system/equipment will be stressed at least to the limits of the operational requirements, and for some systems/equipments, beyond the limits.	E 5.1.5.3	9.3.1
	Sample sizes and test time are justifiable and consistent with the system configuration and test objectives		9.4.3 9.6.2.2
4. Part IV - Operational Test and Evaluation Outline a. Operational Test and Evaluation Overview	The primary purpose of operational test and evaluation is to determine whether systems are operationally effective and suitable for the intended use by representative users in a realistic environment before production or deployment.		9.10. TEMP Format 4.a.(1)
	Shows how program schedule, test management structure, and required resources are related to needed mission capabilities documented in the approved capabilities document, and derived requirements from the ISP; critical operational issues; test objectives; and major decision points	E 5.1.4.1	9.10. TEMP Format 4.a.(2)
	Testing shall evaluate the system (operated by typical users) in an environment as operationally realistic as possible, including threat representative hostile forces and the expected range of natural environmental conditions.	E 5.1.7.1 E 5.1.7.3	9.10. TEMP Format 4.a.(2)
4. Part IV - Operational Test and Evaluation Outline b. Critical Operational Issues (COI)	Lists in this section the Critical Operational Issues (COIs)		9.10. TEMP Format 4.b.(1)
	Critical operational issues are the operational effectiveness and operational suitability issues (not parameters, objectives, or thresholds) that must be examined in operational test an evaluation to evaluate/assess the system's capability to perform its mission.		9.10. TEMP Format 4.b.(1)
	A critical operational issue is typically phrased as a question that must be answered in order to properly evaluate operational effectiveness (e.g., "Will the system detect the threat in a combat environment at adequate range to allow successful engagement?") and operational suitability (e.g., "Will the system be safe to operate in a combat environment?").		9.10. TEMP Format 4.b.(2)
	Some critical operational issues will have critical technical parameters and thresholds. Individual attainment of these attributes does not guarantee the critical operational issue will be favorably resolved. The judgment of the operational test agency is used by the DoD component to determine if the critical		9.10. TEMP Format 4.b.(3)

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	operational issue is favorably resolved.		
	States the measures of effectiveness (MOEs) and measures of performance (MOPs). Defines the evaluation criteria and data requirements for each MOE/MOP		9.10. TEMP Format 4.b.(4)
	Specify the IA strategy addressing the test process, identification of required IA test measures, and threat documentation. ((DOT&E policy for Operational Test and Evaluation of Information Assurance in Acquisition Programs, dated Nov 21, 2006)		
	If every critical operational issue is resolved favorably, the system should be operationally effective and operationally suitable when employed in its intended environment by typical users.		9.10. TEMP Format 4.b.(5)
4. Part IV - Operational Test and Evaluation Outline c. Future Operational Test and Evaluation	Configuration Description		9.10. TEMP Format 4.c.(1)
	Identifies the system to be tested during each phase, and describe any differences between the tested system and the system that will be fielded including, where applicable, software maturity performance and criticality to mission performance, and the extent of integration with other systems with which it must be interoperable or compatible		9.10. TEMP Format 4.c.(1)
	Characterizes the system (e.g., prototype, engineering development model, production representative or production configuration)		9.10. TEMP Format 4.c.(1)
	Operational Test and Evaluation Objectives		9.10. TEMP Format 4.c.(2)
	States the test objectives including the objectives and thresholds and critical operational issues to be addressed by each phase of operational test and evaluation and the decision points supported		9.10. TEMP Format 4.c.(2)
	Provides a table of OT&E Entrance Criteria for each phase of OT&E/OA	E 5.1.4.1	9.10. TEMP Format 4.c.(2)
	Operational test and evaluation supporting beyond low-rate initial production decisions shall have test objectives, to include anti-tamper characteristics, that interface with operators and maintainers, that resolve all unresolved effectiveness and suitability COIs		9.10. TEMP Format 4.c.(2)
	Operational Test and Evaluation Events, Scope of Testing, Scenarios, and Integrated Test Opportunities		9.10. TEMP Format 4.c.(3)
	Summarizes the scenarios and identify the events to be conducted, type of resources to be used, the threat simulators and the simulation(s) to be employed, the type of representative personnel who will operate and maintain the system, the status of		9.10. TEMP Format 4.c.(3)

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	the logistic support, the operational and maintenance documentation that will be used, the environment under which the system is to be employed and supported during testing, the plans for interoperability and compatibility testing with other United States/Allied weapon, the anti-tamper characteristics to be assessed in an operational environment and support systems as applicable.		
	Identifies planned sources of information (e.g., developmental testing, testing of related systems, modeling, simulation, etc.) that may be used by the operational test agency to supplement this phase of operational test and evaluation		9.10. TEMP Format 4.c.(3)
	Whenever models and simulations are to be used: <ul style="list-style-type: none"> • Identifies the planned models and simulations • Explains how and when they are proposed to be used • Provides the source and methodology of the verification, validation, and accreditation underlying their credible application for the proposed use 		9.10. TEMP Format 4.c.(3)
	If operational test and evaluation cannot be conducted or completed in this phase of testing and the outcome will be an operational assessment instead of an evaluation, states and clearly explains the reason(s).		9.10. TEMP Format 4.c.(3)
	Describes the operational test and evaluation plans and procedures that will support the JITC/DISA interoperability certification recommendation to the Director, Joint Staff (J-6) in time to support the FRP Decision Review		9.10. TEMP Format 4.c.(3)
	Describes test phases and events that will provide opportunities to integrate testing with contractors and developmental testers		9.10. TEMP Format 4.c.(3)
	Limitations		9.10. TEMP Format 4.c.(4)
	Discusses the test and evaluation limitations including threat realism, resource availability, limited operational (military, climatic, CBNR, etc.) environments, limited support environment, maturity of tested system, safety, etc., that may impact the resolution of affected critical operational issues		9.10. TEMP Format 4.c.(4)
	Indicates the impact of the test and evaluation limitations on the ability to resolve critical operational issues, the ability to formulate conclusions regarding operational effectiveness and operational suitability.		9.10. TEMP Format 4.c.(4)
	Indicates the critical operational issues affected in parenthesis after each limitation		9.10. TEMP Format 4.c.(4)

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4. Part IV - Operational Test and Evaluation Outline d. Live Fire Test and Evaluation (Not applicable to AIS programs)	Includes a description of: <ul style="list-style-type: none"> • The overall live fire test and evaluation strategy for the item • Critical live fire test and evaluation issues • Required levels of system protection and tolerance to terminal effects of threat weapons and lethality • The management of the live fire test and evaluation program • Live fire test and evaluation schedule • Related prior and future live fire test and evaluation efforts • The evaluation approach and shot selection process • The strategy matrix that identifies planning document approval levels • Major test and evaluation limitations for the conduct of live fire test and evaluation 	E 5.1.9 E 5.1.4.2	9.10. TEMP Format 4.d.
	Discusses, if appropriate, procedures intended for obtaining a waiver from full-up, system-level live fire testing (realistic survivability/lethality testing as defined in 10 U.S.C. 2366) before entry into the System Development and Demonstration Phase at Milestone B, or, in the case of a system or program initiated at Milestone B, as soon as practicable after Milestone B, or if initiated at Milestone C, as soon as practicable after Milestone C		9.10. TEMP Format 4.d.
	Identifies LFT&E resource requirements (including test articles and instrumentation) in the Test and Evaluation Resource Summary		9.10. TEMP Format 4.d.
5. Part V - Test and Evaluation Resource Summary a. Summary of Resources	Provides a summary (preferably in a table or matrix format) of all key test and evaluation resources to include M&S, both government and contractor, that will be used during the course of the acquisition program.	E 5.1.4.1	9.10. TEMP Format 5.a.
	Test Articles <ul style="list-style-type: none"> • Identifies the actual number of and timing requirements for all test articles, including key support equipment, M&S, and technical information required for testing in each phase of DT&E, LFT&E, and OT&E • If key subsystems (components, assemblies, subassemblies or software modules) are to be tested individually, before being tested in the final system configuration, identifies each subsystem in the TEMP and the quantity required • Specifically identifies when virtual prototype, prototype, engineering development, or production models will be used 		9.10. TEMP Format 5.a.(1)

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	<ul style="list-style-type: none"> • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls 		
	<p>Test Sites and Instrumentation</p> <ul style="list-style-type: none"> • Identifies the specific test ranges/facilities to be used for each type of testing • Compares the requirements for test ranges/facilities dictated by the scope and content of planned testing with existing and programmed test range/facility capability, and highlight any major shortfalls, such as inability to test under representative natural environmental conditions • Identifies instrumentation that must be acquired specifically to conduct the planned test program • Describes how environmental compliance requirements will be met • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls • Identifies how the test sites will be augmented with M&S 	E5.1.4.4	9.10. TEMP Format 5.a.(2)
	<p>Test Support Equipment</p> <ul style="list-style-type: none"> • Identifies test support equipment that must be acquired specifically to conduct the test program • Identifies IA test resources (DOT&E policy for Operational Test and Evaluation of Information Assurance in Acquisition Programs, dated Nov 21, 2006) • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls • Identifies M&S planned for T&E augmentation 		9.10. TEMP Format 5.a.(3)
	<p>Threat Representation</p> <ul style="list-style-type: none"> • Identifies the type, number, availability, and fidelity requirements for all representations of the threat to be used in testing • Compares the requirements for threat representations with available and projected assets and their capabilities • Identify IA threat documentation (DOT&E policy for Operational Test and Evaluation of Information Assurance in Acquisition Programs, dated Nov 21, 2006) • Highlights any major shortfalls • Subjects each representation of the threat (target, simulator, model, simulation or virtual simulation) to validation procedures to establish and document a baseline comparison with its associated threat and to determine the extent of 		9.10. TEMP Format 5.a.(4)

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	<p>the operational and technical performance differences between the two throughout the life cycle of the threat representation</p> <ul style="list-style-type: none"> • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls 		
	<p>Test Targets and Expendables</p> <ul style="list-style-type: none"> • Identifies the type, number, and availability requirements for all targets, weapons, flares, chaff, sonobuoys, smoke generators, acoustic countermeasures, etc., that will be required for each phase of testing • Subjects each threat target to validation procedures, tailored to characteristics of interest, in order to establish and document a baseline comparison with its associated threat and to ascertain the extent of operational and technical performance differences throughout the threat target's life cycle • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls 		9.10. TEMP Format 5.a.(5)
	<p>Operational Force Test Support</p> <ul style="list-style-type: none"> • For each test and evaluation phase, identifies the type and timing of aircraft flying hours, ship steaming days, and on-orbit satellite contacts/coverage, and other critical operating force support required • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls • Identifies opportunities to simulate any of the required support 		9.10. TEMP Format 5.a.(6)
	<p>Simulations, Models and Testbeds</p> <ul style="list-style-type: none"> • For each test and evaluation phase, identifies the live, virtual, and constructive models and simulations to be used, including computer-driven simulation models and hardware/software-in-the-loop testbeds. • Provides the discussion of how these models and simulations will be used in Parts III and IV • Identifies the resources required to accredit their usage • Identifies the M&S Proponent, the V&V Agent, and the Accreditation Agent for intended user • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls • Describes opportunities to validate proposed M&S as part of the T&E 		9.10. TEMP Format 5.a.(7)
	<p>Special Requirements</p>		9.10. TEMP Format

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TEMP Format	Checklist	DoD 5000.2 (May 12, 2003)	Defense Acquisition Guidebook (http://akss.dau.mil/dag/GuideBook/PDFs/GBNov2006.pdf)
	<ul style="list-style-type: none"> • Discusses requirements for any significant non-instrumentation capabilities and resources such as: special data processing/data bases, unique mapping/charting/geodesy products, extreme physical environmental conditions or restricted/special use air/sea/landscapes • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls <p>Test and Evaluation Funding Requirements</p> <ul style="list-style-type: none"> • Estimates, by Fiscal Year and appropriation line number (program element), the funding required to pay direct costs of planned testing • States, by Fiscal Year, the funding currently appearing in the approved budget • Include funding for IA OT (DOT&E policy for Operational Test and Evaluation of Information Assurance in Acquisition Programs, dated Nov 21, 2006) • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls <p>Manpower/Personnel Training</p> <ul style="list-style-type: none"> • Identifies manpower/personnel and training requirements and limitations that affect test and evaluation execution • Identifies any shortfalls, impact on planned testing • Describes plan to resolve shortfalls • Identifies how much training will be conducted with M&S 		<p style="text-align: center;">5.a.(8)</p> <p>9.10. TEMP Format 5.a.(9)</p> <p>9.10. TEMP Format 5.a.(10)</p>
5. Part V - Test and Evaluation Resource Summary b. Time-phased Test and Test Support +Resources	Project the time-phased test and test support resources necessary to accomplish development, integration and demonstration testing and early operational assessment.		9.10. TEMP Format 5.b.
	<p>Estimate, to the degree know, the key resources necessary to accomplish developmental test and evaluation, operational assessment, live fire test and evaluation, and operational test and evaluation.</p> <ul style="list-style-type: none"> • Include test and training ranges of the Major Range and Test Facility Base (MRTFB), test equipment and facilities of the MRTFB, capabilities designated by industry and academia, unique instrumentation, threat simulators, targets, and modeling and simulation. • Assess and refine the preliminary test resource requirements s the system acquisition 		9.10. TEMP Format 5.b.

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	progresses. • Subsequent TEMP updates should reflect any changed system concepts, resource requirements, and updated threat assessment.		
6. Annex A - BIBLIOGRAPHY	Cites all documents referred to in the TEMP		9.10. TEMP Format 6.a.
	Cites all reports documenting technical, live fire, and operational testing and evaluation		9.10. TEMP Format 6.b.
7. Annex B - ACRONYMS	Lists and defines acronyms used in the TEMP		9.10. TEMP Format 7.
8. Annex C - POINTS OF CONTACT	Provides a list of points of contact		9.10. TEMP Format 8.
9. ATTACHMENTS	Provides as appropriate		9.10. TEMP Format 9.