



DEPARTMENT OF THE ARMY
WASHINGTON DC 20310

OCT 29 2010

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MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Army Test Synchronization

1. During ongoing Army Capability Portfolio Reviews, the Vice Chief of Staff, Army (VCSA) directed the examination of synchronizing tests to demonstrate to the Army leadership that systems can interoperate and work effectively together, while consolidating events to reduce the burden on operational forces.
2. Army policy requires that Test and Evaluation (T&E) programs be structured to integrate all T&E activities as an efficient continuum. The Test and Evaluation Strategy (TES), approved at Milestone A, and Test and Evaluation Master Plan (TEMP), initially approved prior to program initiation, Milestone B, are the basic planning documents for life-cycle T&E, and documents a system's T&E strategy. Synchronization of a system's testing across more than one acquisition program area begins with the approval of the TES and is continued in the initial/updated TEMP.
3. Effective immediately, all Army TEMP approval authorities will ensure that each initial/updated TES and TEMP, documents test synchronization. As a minimum, Part I of each approved TES and TEMP will have a section titled "Test Synchronization." When test synchronization opportunities exist, the TEMP will include a mandatory Attachment 2 that addresses the operational and systems architecture views, as well as the relationship to capability packages. The Test Schedule and Review Committee (TSARC) will identify additional opportunities to bundle and/or integrate tests that can be executed simultaneously or sequentially. Guidelines for these new TES, TEMP, and TSARC requirements are enclosed. Adherence to this revised process will contribute immeasurably to the VCSA's intent to field the newest integrated capabilities.
4. The point of contact is Mr. Larry D. Leiby, Special Assistant to the Assistant Deputy Under Secretary of the Army for Test and Evaluation, (703) 602-1592, DSN 332-1592, or e-mail: larry.leiby@us.army.mil.

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Test and Evaluation

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Assistant Secretary of the Army
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Encl

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TEST AND EVALUATION MANAGERS COMMITTEE MEMBERS

Test Synchronization Guidelines

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1. The Department of the Army Test and Evaluation Master Plans (TEMP) approval authorities are:
 - a. Army T&E Executive for acquisition category (ACAT) I (IC & ID), ACAT IA (IAM & IAC), ACAT II, and any program on the Office of the Secretary of Defense (OSD) T&E Oversight List.
 - b. Milestone Decision Authority for all other programs.
2. Army TEMP approval is contingent upon having a 'Test Synchronization' section in Part I. For programs using the 4-Part TEMP, the section is 1.4. For programs that opt to continue to use the 5-Part TEMP, section is 1.6.
3. The following applies to all system TEMPs that include integrated testing:
 - a. T&E WIPT Coordination Sheet will contain signatures from a representative from the PEO Integration and each program office involved in the integrated testing.
 - b. TEMP Approval Page will also include concurrence signatures from PEO Integration and each involved PEO.
4. For Test Resource Plans (TRPs) to be considered and approved by the Test Schedule and Review Committee (TSARC) for inclusion in the Five Year Test Program (FYTP) it must have an Army approved TEMP containing the mandatory 'Test Synchronization' section and an Attachment 2 (if required). Only exceptions will be valid emerging test requirements so as to enable necessary long-term TSARC planning. The norm remains that TRPs be based upon Army-approved TEMP. A unit cannot be officially tasked by the FYTP until the TEMP has been submitted to the TEMP-approval authority.
5. Current TSARC challenges include Army operational mission demands and defense acquisition program readiness for test. To support test synchronization the following stakeholders shall:
 - a. Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)).
 - (1) Identify and provide integrated test candidates, to the TSARC sixty days prior to the working group meetings.
 - (2) Synchronize integrated test candidates' milestone decision dates and fielding plans to support planning and execution of integrated/combined tests.
 - (3) Provide the initial, and subsequent updates, of the Acquisition Program Baseline (APB) threshold and objective 'Test Windows' to the TSARC sixty days prior to the working group meetings.

ENCLOSURE 1

TEST SYNCHRONIZATION GUIDELINES (CONTINUED)

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- b. Headquarters, Department of the Army (HQDA) (Deputy Chief of Staff (DCS), G-3/5/7).
 - (1) Ensure that the TSARC considered and validated all opportunities for integrated/ bundled tests prior to FYTP approval.
 - (2) Revise Army Force Generation (ARFORGEN) policy to include definition as to when deployed Operational forces may be able to support tests.
 - (3) Release Executive Order (EXORD) that will identify capabilities and schedule for integration in Fiscal Year (FY) 11-12
 - (4) Provide guidance that will identify capabilities to be integrated by fiscal year beginning FY2013.
 - (5) Align TSARC to ARFORGEN process so as to enable cross talk and coordination for identifying windows for better test synchronization and execution.

 - c. Chief Information Officer/G-6. The CIO/G-6 will identify technical architecture and related issues, such as interoperability, information technology, or network capabilities, to the TSARC and working groups.

 - d. Training and Doctrine Command (TRADOC) (Army Capabilities Integration Center (ARCIC)). Identify candidates for integrated testing sixty days prior to the TSARC working group meetings.

 - e. Army Test and Evaluation Command (ATEC).
 - (1) In addition to other TSARC stakeholders Identify candidates for bundled testing sixty days prior to the TSARC working group meetings.
 - (2) As the TSARC Chair, convene a 2-Star Forum to determine the risk of addition and/or removal of a system(s) from a previously approved integrated test(s) and recommend a decision to the 3-Star and, if necessary, 4-Star level forum.
6. Mandatory TEMP Attachment 2 (Test Synchronization Opportunities).
- a. Each approved T&E Working-level Integrated Product Team (T&E WIPT) and Integrated T&E Working-level Integrated Product Team (IT&E WIPT) Charter shall include a 'Test Synchronization' Subgroup.

 - b. Each 'Test Synchronization' Subgroup of the T&E WIPT is responsible for the development and continual update of both the 'Test Synchronization' section in Part I of the TEMP and Attachment 2 (Test Synchronization Opportunities).

TEST SYNCHRONIZATION GUIDELINES (CONTINUED)

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c. The Test Synchronization Subgroup Chair will coordinate Attachment 2 with all T&E WIPT members. As a minimum, Attachment 2 format must contain the following:

(1) Integrated Schedule. Depict which components of the Operational View 1 will be considered in the test integration.

(2) Capability Package. Discuss linkage to specific capability packages and/or sets.

(3) Architecture Assessment. Summarize the system and associated network operational view (OV-1), system view (SV-1), and service (SvcV-1] view architecture implications to include aspects of Service, Joint, coalition, and mission partner interoperability.

(4) Critical Path. List events, to include entrance criteria, required for successful synchronization of system testing. For example, specify key complementary systems technical maturity and interim authority to operate.

(5) Five Year Test Program / Test Schedule and Review Committee Impacts. Describe issues requiring Senior Leadership involvement prior to semi-annual publication of the Five Year Test Program.

(6) Limitations. Discuss areas that may impact characterizing the operational effectiveness of the system(s). Describe measures taken to mitigate the limitations.