


Overview of the New DoDI 5000.61 on VV&A

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Section I

Background

DoDI 5000.61 Historical Overview

- Implements policy, assigns responsibilities, prescribes procedures, and establishes common terminology
- DODI 5000.61 version history:
 - Original instruction dated April 29, 1996
 - Second version dated May 13, 2003
 - Current version dated December 9, 2009
- At the July 2007 M&S Steering Committee Offsite, the M&S SC directed a review and update (if needed) of DoDI 5000.61 in compliance with DoDI 5025.01 that states “All DoDIs...shall be reviewed every 5 years, with the issuance being revised and reissued or canceled as a result”

DoDI 5000.61 Historical Overview (cont.)

- Two members of the Modeling & Simulation Steering Committee volunteered to lead the effort to revise the instruction. These members were:
 - Office of the Secretary of Defense Program Analysis & Evaluation (now Cost Assessment and Program Evaluation (CAPE))
 - Director of Operational Test and Evaluation (DOT&E)
- Writing team stood up in March 2008 (CAPE and DOT&E co-chaired)
- Revised instruction began formal SD 106 staffing for approval in June 2009
- Comment adjudication (94 comments total) completed in November 2009
- DoDI 5000.61 Reissued on December 9, 2009




Basis of Youngblood Perspective Of DoDI 5000.61 Evolution

- Participated in the development of concepts (e.g., definitions in the original version of DoDI 5000.61) as the Navy VV&A POC
- Lead Writing Team and Coordination effort for 2003 version as the DoD VV&A POC at DMSO (now M&S CO)
- Served as a member of the Writing Team for 2009 version and supported M&S CO adjudication process
 - More specifically describes MSEA responsibilities using designation Memo for a basis.



Section II

Structure



DoDI 5000.61 Overview of Structural Changes

- Modified to reflect updated format requirements as defined in DoDI 5025.01 (Oct 2007)
- Instruction Streamlined by:
 - Pulling Responsibilities section to Enclosure 1
 - Focusing Procedure section on documentation only
 - Synthesizing Documentation Procedures (Enclosure 2) by eliminating duplication of information requirements
 - Retaining only essential Definitions



Section III

Content

Policy statements in DoDI 5000.61

- M&S used in support to support DoD processes, products, and decisions shall undergo V&V throughout their lifecycles and be accredited for an intended use
- VV&A results shall be documented and made accessible
- Each DoD Component be the final authority for validating representations of its own forces and capabilities and be responsive to other DoD Components relative to the appropriateness of those representations
- Each DoD Components and OSD Presidentially Appointed, Senate-confirmed officials are authorized to provide VV&A procedures and guidance based on the intended use and risk of use of the M&S

DoDI 5000.61 Defined Responsibilities

- USD (AT&L) through DDR&E
 - Ensure the M&S Coordination Office serves as the primary focal point for data and information on V&V related activities, policies, and guidance.
 - In coordination with DoD Components, develop policies, plans, procedures, and DoD issuances for the implementation and management of VV&A
 - Encourage Communication and Coordination on VV&A activities
 - Promote Cooperative Research
 - Establish Standards for Implementing VV&A to promote procedural commonality and foster M&S interoperability
- DOT&E
 - Prescribe VV&A policies, procedures, and guidance for M&S used to support OT&E and LFT&E

DoDI 5000.61 Defined Responsibilities (cont.)

- Heads of the DoD Components
 - Develop Guidance for VV&A Practices
 - Document VV&A results and make documentation accessible
 - Serve as final Validation Authority of own force representations
 - Resolve validation issues for representations of own forces and capabilities as requested
 - Be responsive to other DoD Components relative to own force representations
 - Assign Responsibilities to ensure that:
 - Developed or modified M&S are V&V'd throughout their lifecycle
 - M&S used by a Component are accredited
 - V&V resources are provided by the DoD Component for development, modification, or use

DoDI 5000.61 Defined Responsibilities (cont.)

- Modeling and Simulation Executive Agents
 - Provide Domain information and information to support VV&A activities
 - Ensure Data Quality information is available and accessible to support VV&A activities
- DIA
 - Serve as final Validation Authority for:
 - Non-US Forces and capabilities
 - US National and Joint Intelligence processes and capabilities
 - Be Responsive to other DoD Components for appropriate representation

Documentation Procedures

DoDI 5000.61 prescribes minimum documentation requirements:

- Common requirements
 - Date VV&A activities performed and identification of performer
 - Version and/or release of M&S undergoing V, V, or A
 - Reference to requirements and associated acceptability criteria
 - List and description of V, V, and A activities performed
- Additional Documentation Requirements for V&V
 - Summary of results
 - limitation risks, potential impacts, and M&S assumptions
- Additional Documentation Requirements for V&V
 - Summary of results of Accreditation Assessment
 - Identification of Accreditation Authority and record of Decision

Documentation Procedures (Cont.)

DoDI 5000.61 Procedures Section references Military Standard 3022:

Military Standard 3022 provides suggested templates for documenting VV&A that are tailored to the application. The use of these standardized templates will help enable the efficient reuse of M&S data and tools.



Appendices

- **Glossary and Definitions**



Section IV

Coordination

Coordination & Approval Process

- **Required Coordination**: With the Heads of the DoD Components “who have mutual or related responsibilities for review and concurrence or comments.
- **Mandatory Coordination**: All DoD Issuances must be coordinated with:
 - OSD Director for Administration & Management (DA&M)
 - General Counsel, Department of Defense (GC, DoD)
 - Inspector General, Department of Defense (IG, DoD)
- **Re-coordination** is required when:
 - 6 months have elapsed since coordination took place (waiverable) or
 - there is a new PSA since the original coordination
- **Non-concurrences**: Resolved through separate coordination with the nonconcurring DoD Component
- **Assumed Concurrence**: “No response; concurrence assumed” is normally not accepted for DoD issuances.

Coordinating Organizations

Army

Air Force

OUUSD(C)

OASD(C3I)

OSD CAPE

GC, DoD

OSD NA

CJCS

Navy

OUUSD(P)

OUUSD(P&R)

DOT&E

OSD DA&M

IG, DoD

ASD(NII)

ATSD(IO)



DoDI 5000.61 dated December 9, 2009

Available on the Web

<http://www.dtic.mil/whs/directives/corres/pdf/500061p.pdf>