



Modeling & Simulation Community of Interest

Overview

NDIA SE M&S and T&E Committees

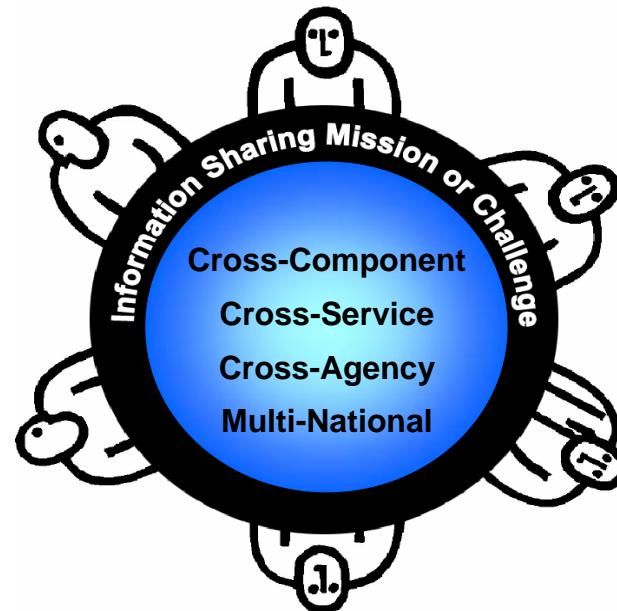
10 Aug 2011



Discussion



- Purpose
- Charter
- M&S Policy
- DoD Guidance
- Collaboration
- Roles and Responsibilities
- Operating Procedures
- Summary



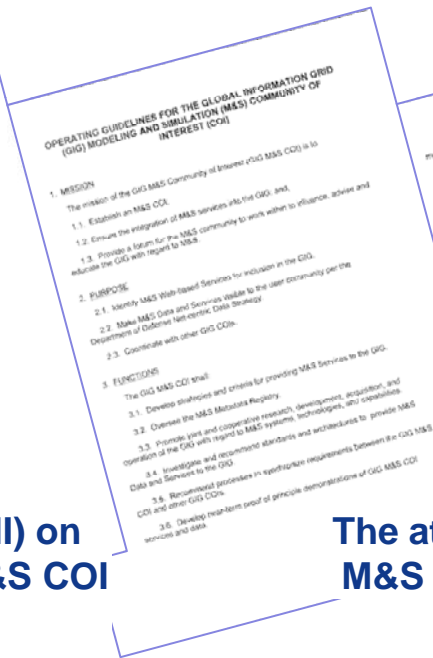


Purpose

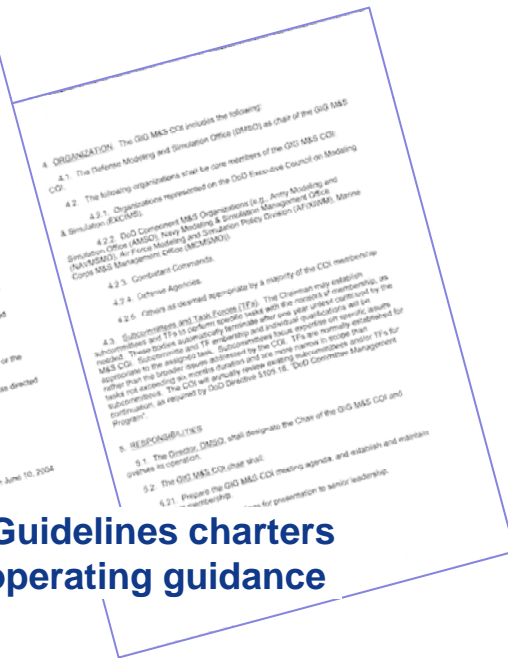
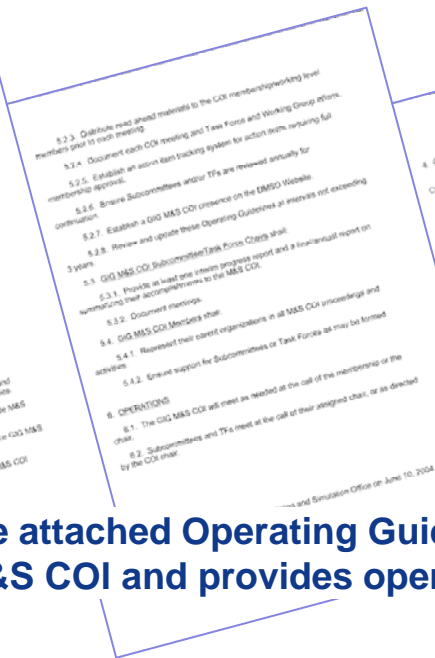
□ Present an overview of the DoD M&S Community of Interest (M&S COI)



Memo for OASD(NII) on Establishment of M&S COI
June 10, 2004



The attached Operating Guidelines charters M&S COI and provides operating guidance

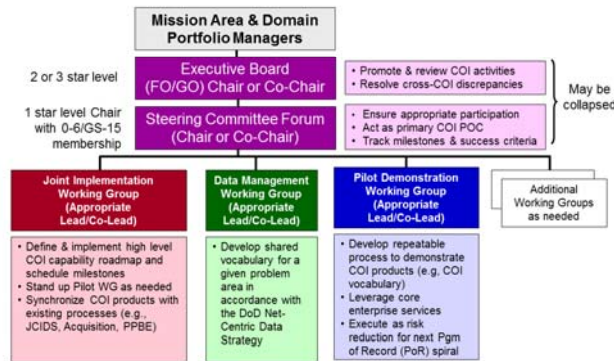




DoD Enterprise Guidance Chief Information Officer



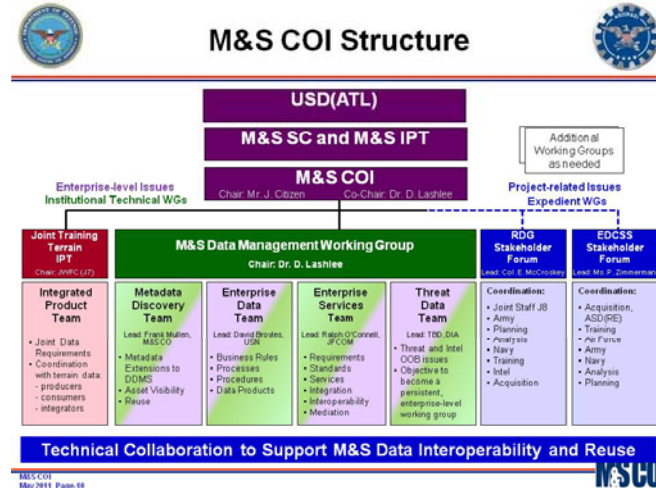
DoD COI Recommended Structure



Source: NII/CIO, Sample Template, Community of Interest (COI) Steering Committee Kick-off, May 2007

DoD COI Recommended Key Roles:

- Governing Authority
- Lead
- Stakeholders
- Capability Developers



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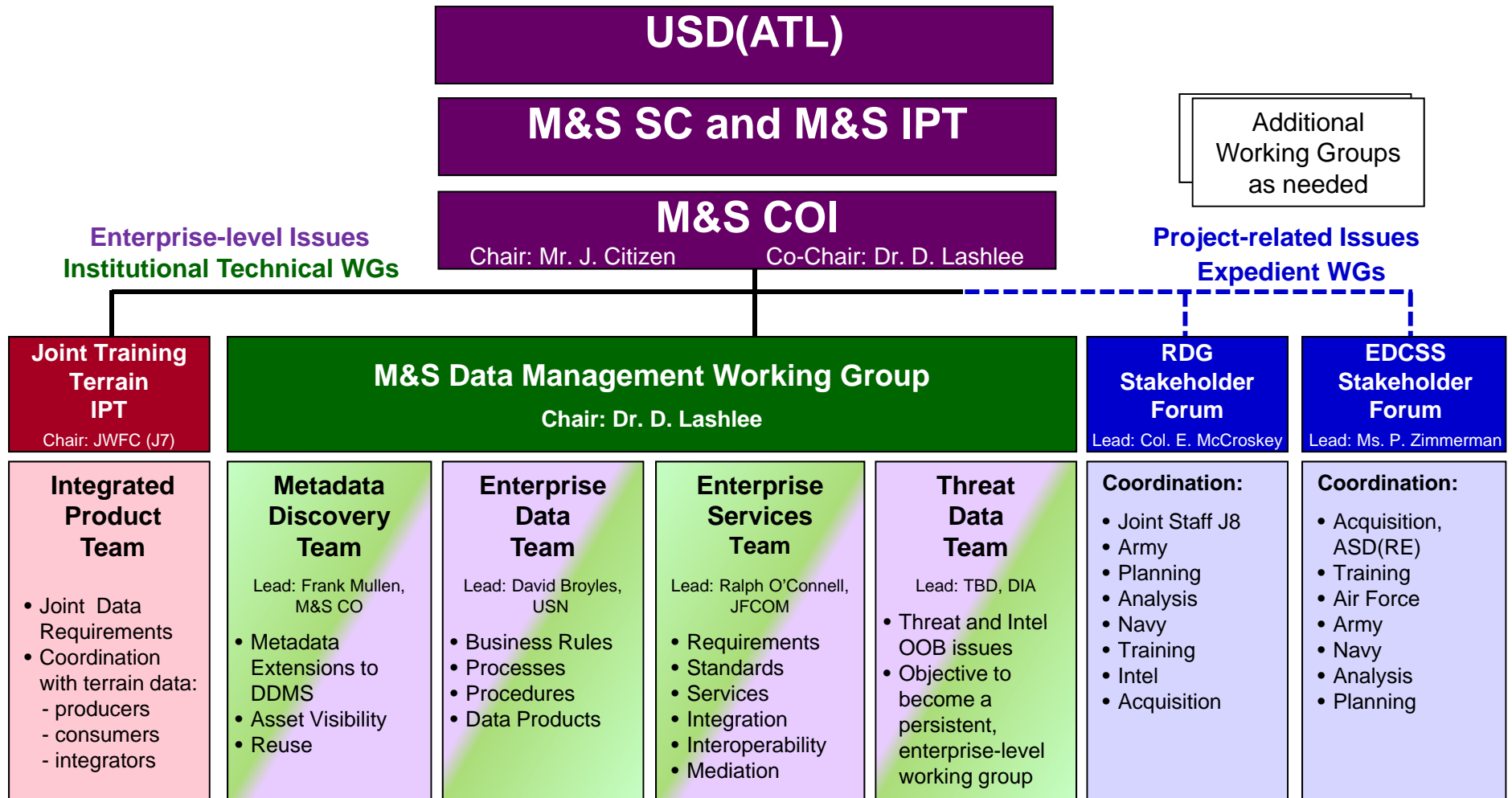
M&S COI Key Roles:

- USD(AT&L)
- Chair - M&S CO Director
- Communities, Services, Others
- Technical Working Groups
 - Institutional and Expedient

Source: DoD 8320.02-G, Guidance For Implementing Net-Centric Data Sharing



M&S COI Structure

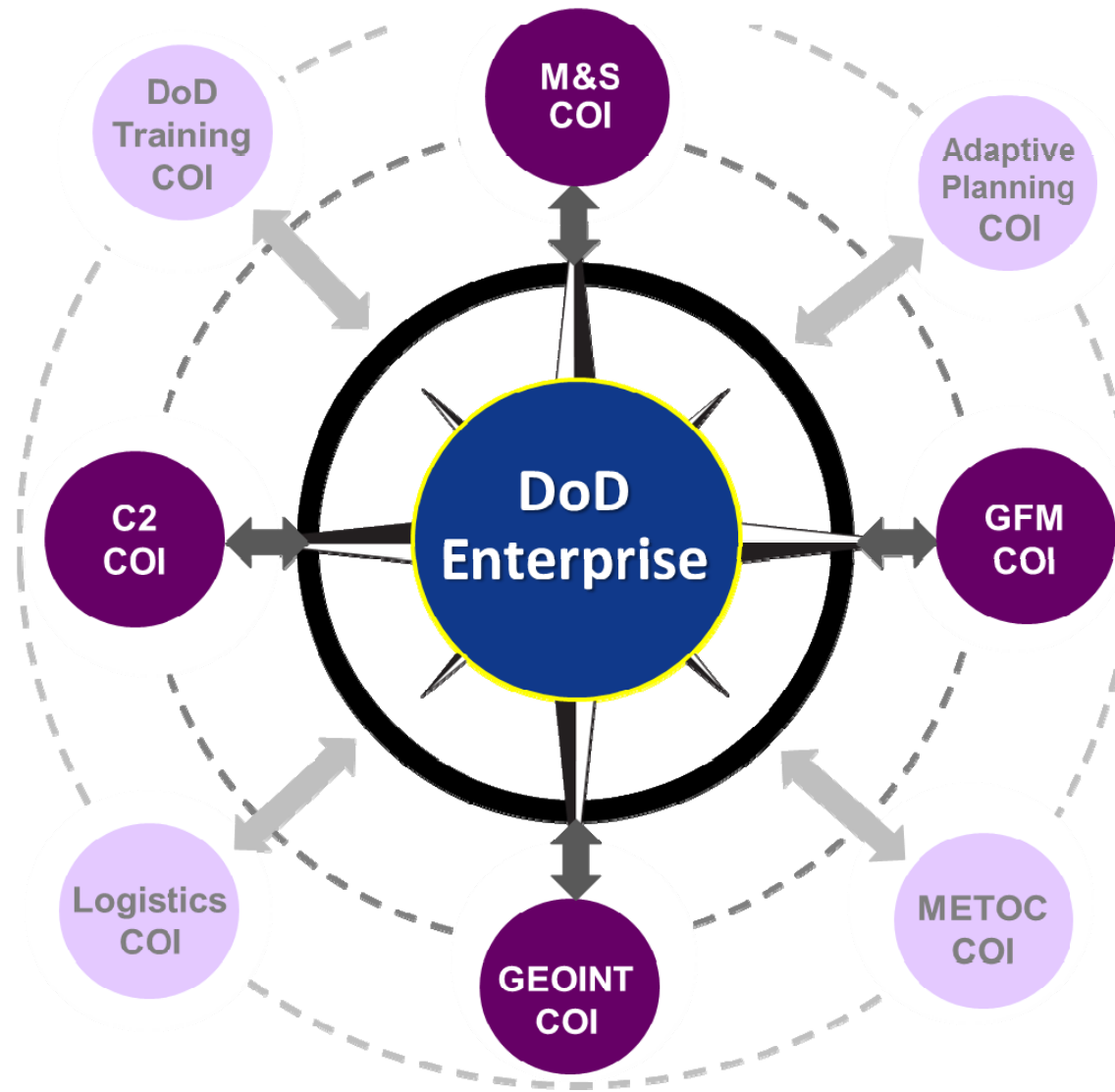


Technical Collaboration to Support M&S Data Interoperability and Reuse



M&S COI

DoD Enterprise Collaboration



DoD Metadata Registry:

- 91 registered COIs
- 56 active COIs



M&S COI

Roles & Responsibilities



M&S COI:

- Establishes mission-specific NCDS success criteria
- Promotes policies and best practices for M&S data sharing
- Ensures appropriate collaboration with other DoD COIs

M&S DMWG:

- Assists M&S COI in promoting best practices for M&S data management
- Promotes data sharing and participation with the other DoD COIs
- Provides technical advice & assistance to the M&S SC & IPT Stakeholder Forums
- Provides guidance to other Institutional Working Groups
- Conducts technical review of artifacts produced by the capability teams

M&S DMWG Technical Teams:

- Conducts technical reviews on HLT artifacts in their area of expertise
- Provides technical input and recommendations to M&S DMWG
- Provides technical M&S enterprise data expertise to the USD(AT&L) as required



DMWG Roles & Responsibilities



Metadata Discovery Team

- Make technical recommendations to enable M&S metadata discovery
- Provide technical guidance for the M&S COI Discovery Metadata Specification
- Determine and recommend best metadata discovery technology solutions
- Provide M&S Metadata technical issues to DMWG for discussion

Enterprise Data Team

- Review and recommend updates to the DoD M&S Enterprise Data Strategy
- Advise the HLTs on M&S Enterprise Data issues as requested
- Assist with implementing the M&S Enterprise Data Strategy
- Provide M&S Data technical issues to DMWG for discussion

Enterprise Services Team

- Provide guidance to the M&S COI on M&S and DoD Enterprise services
- Recommend enterprise services for leveraging HLT development
- Make technical recommendations on the DoD Net-Centric Services Strategy
- Provide M&S Service technical issues to DMWG for discussion

Threat Data Team



- Inform the DMWG on Threat data and Intelligence Order Of Battle data issues
- Provide recommendations for Threat data integration to the M&S COI
- Advise the HLTs on M&S Enterprise Data issues as requested
- Provide M&S Threat Data technical issues to DMWG for discussion

All Teams Support M&S COI Collaboration with other COIs and DoD CIO



Characteristics of Successful COIs



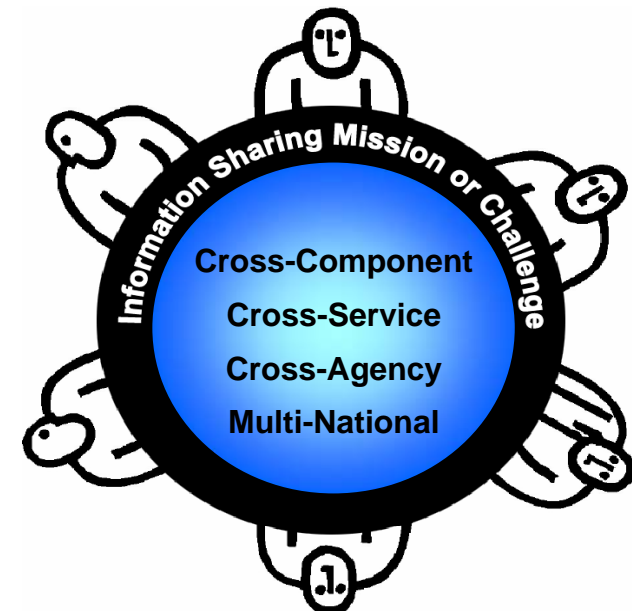
- Well-Defined Purpose
- Clear Vision
- Active Engagement 
- Enterprise (DoD and beyond) Orientation 
- Capability Based Perspective
- Suitable Pilot



M&S COI Summary



- Established and Chartered in 2004**
- Grounded in DoD M&S Policy**
 - DoDD 5134.01
 - DoDD 5000.59
 - DoDI 5000.59 (in staffing)
- Follows DoD Enterprise COI Guidance**
 - DoD 8320.02-G
 - Net-Centric Data Strategy
 - Net-Centric Enterprise Services Strategy
- Collaborates with other DoD Enterprise COIs**
- Defined Roles and Responsibilities**
- Documented Operating Rules and Guidelines**

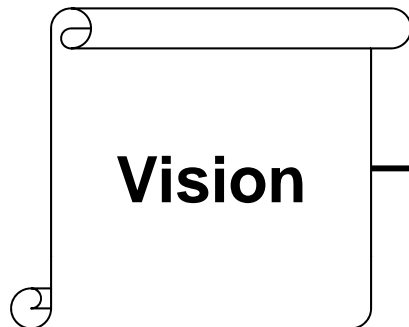




Enterprise Services Team



DoD M&S COI DMWG Enterprise Services Team



To evolve through the M&S COI DoD M&S enterprise data and tool service environment that communities enabled by M&S can utilize to support their M&S data production requirements.



Recommend to M&S COI cross community and Service M&S data production capabilities that should be integrated into the service oriented enterprise data and tool environment.



Enterprise Services Team Way Ahead



- **EST Strategy Planning Kick-Off** (11 Aug 11 0930-1200)
 - Refine vision and objective
 - Optimize approach
 - Modify and decompose tasks, schedule activities
 - Establish EST battle rhythm
- **Get the Word Out - Solicit Support**
 - Net-Centric Data Exchange Standards Committee (21 Jul 11)
 - NDIA SE M&S Committee (10 Aug 11)

Request participation, input, and recommendations



Contacts



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Backup



Definitions



What is a DoD COI?

A collaborative group of users that must exchange information in pursuit of its shared goals, interests, missions, or business processes and therefore must have shared vocabulary for the information it exchanges. – DoD Directive 8320.2

What is the M&S COI?

A collaborative group of users that make M&S data and data-related tools & services viable and visible to the Components and Communities enabled by M&S; align M&S Data with the DoD Net-Centric Data Strategy; and provide a collaborative forum to influence, advise, and educate the Department on M&S Enterprise Data issues.

What is the M&S COI DMWG?

A technical working group that focuses on persistent M&S enterprise data issues and coordinates M&S data requirements, standardization, management and best practices within the M&S COI and among other COIs.

COIs Address Data Organization, Maintenance, & Management



DoD Policy

Modeling and Simulation



DoDD 5134.01; December 9, 2005 with change dated April 2008

Responsibilities and Functions:

“3.0 The Under Secretary of Defense for Acquisition, Technology, and Logistics is the Principal Staff Assistant and advisor to the Secretary of Defense for all matters relating to ...modeling and simulation (M&S).....shall”

“3.35 Establish and maintain the DoD management and administrative structure for M&S, in accordance with DoD Directive 5000.59. Sponsor the DoD Executive Council for Modeling and Simulation. Develop policies, plans, and programs to coordinate, harmonize, and rationalize DoD M&S, including the DoD Modeling and Simulation Master Plan and Investment Plans. Ensure that DoD M&S investments support operational needs and the acquisition process; the development of common tools, methodologies, and databases; and the establishment of standards and protocols promoting interoperability, data exchange, open system architecture, and software reusability.”



DoD Policy

Responsibilities and Functions



DoDD 5000.59; August 8, 2007

Policy:

“4.3 M&S management shall develop plans, programs, procedures, issuances, and pursue common and cross-cutting M&S tools, data, and services to achieve DoD’s goals by: promoting visibility and accessibility of models and simulations; leading, guiding, and shepherding investments in M&S; assisting collaborative research, development, acquisition, and operation of models and simulations; maximizing commonality, reuse, interoperability, efficiencies and effectiveness of M&S, and supporting DoD Communities that are enabled by M&S.”

Responsibilities:

“5.1.3.5 Oversee the development and implementation of policies, plans, procedures, and DoD issuances to manage M&S and the implementation of best practices of how models and simulations are effectively acquired, developed, managed, and used by DoD Components (e.g., verification, validation, and accreditation; standards, and protocols).”

DoDI 5000.59, Pre Coordination Draft, May 2011

Policy:

“4a. M&S tools, data, and services, including models and simulations, and Data Assets (hereafter referred to collectively as “M&S Assets”) shall be visible and accessible within and across the DoD Components.”