

**National Defense Industrial Association
Systems Engineering Division
Modeling and Simulation Committee**

**Digital System Model Workshop
Introduction
17 August 2015**

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What is the Digital System Model?

From the Defense Acquisition University Glossary:

- **The Digital System Model is a digital representation of a defense system, generated by all stakeholders, that integrates the authoritative technical data and associated artifacts which define all aspects of the system for the specific activities throughout the system lifecycle.**

Digital System Model Workshop – Objectives

- **To define/refine the principal uses of the Digital System Model in the acquisition of systems – from concept to disposal – to aid in ensuring its usefulness and completeness**
- **To obtain Systems Engineering community input (particularly from Industry) on the critical contents of the Digital System Model**
- **To obtain community input on the issues associated with the implementation of the Digital System Model across the acquisition lifecycle and between the Government and Industry**
- **To assess the degree to which the Digital System Model is consistent with the larger goal of Model-Based (Systems) Engineering, to aid in determining if there are gaps in the Digital System Model concept.**



Digital System Model Workshop – Agenda, Day 1

13:00	Introduction	Jim Coolahan (Coolahan Assoc.)
13:10	Advancing Digital Model-Centric Engineering: Digital System Model/Digital Thread	Phil Zimmerman (ODASD(SE))
13:40	Digital System Model - A Raytheon Perspective	Louisa Guise (Raytheon)
14:10	Digital Tapestry: Digital System Modeling at Lockheed Martin	Chris Schreiber (Lockheed Martin)
14:40	MBSE Implementation Across Diverse Domains at The Boeing Company	David Allsop (Boeing) Curtis Potterveld (Boeing)
15:10	A Look at the State-of-the-Art of the Digital System Model: the Status Beyond the Hype	Hubertus Tummescheit (Modelon) James Roche (CIMData)
15:40	Essential Elements of the Digital System Model: Sharing and Evolving Data Across the Acquisition Life Cycle	Jeff Bergenthal (JHU/APL)
16:05	Potential Taxonomy for Digital System Model Data	Jim Coolahan
16:30	Adjourn for the day	



Digital System Model Workshop – Agenda, Day 2

8:30	Summary of Day 1 Activities and Charge to Breakout Groups	Jim Coolahan (Coolahan Assoc.)
9:00	Breakout Sessions (mid-morning break, as needed):	Facilitators:
	System Characteristics (e.g., form and fit) Data	Louisa Guise (Raytheon)
	System Performance/Effectiveness (e.g., function) Data	Jeff Bergenthal (JHU/APL)
	System Financial (e.g., cost) Data	Beth Wilson (Raytheon)
	Policy and Legal Considerations	Jim Coolahan
12:00	Lunch break (on your own)	
13:00	Breakout Sessions Continue and Prepare Out-briefs	Breakout session facilitators
15:00	Break	
15:15	Plenary Session: Breakout Session Out-briefs	Breakout session facilitators
16:30	Adjourn workshop	