

Comparison of VV&A Roles within the Department of Defense

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Comparison of Roles

DoD 5000.61	VV&A RPG	Army	Navy	Air Force	BMDO*
Accreditation Authority	User	Application Sponsor	Accreditation Authority	Accreditation Authority	Accreditation Authority
M&S Application Sponsor	User	Application Sponsor	Accreditation Authority	Accreditation Authority	Accreditation Authority**
M&S User	User	Application Sponsor	User	User	Accreditation Authority**
none specified	Developer	Developer	Developer	Model Developer	none specified
M&S Proponent	M&S Program Manager	M&S Proponent	Proponent	Model Manager	M&S Proponent
Verification Agent	V&V Agent	V&V Agent	V&V Agent	V&V Agent	V&V Agent
Validation Agent	V&V Agent	V&V Agent	V&V Agent	V&V Agent	V&V Agent
Accreditation Agent	Accreditation Agent	Accreditation Agent	Accreditation Agent	Accreditation Agent	Accreditation Agent
none specified	Subject Matter Expert	Subject Matter Expert	Subject Matter Expert	Subject Matter Expert	none specified

* Ballistic Missile Defense Organization (BMDO)

** BMDO identifies the role of Accreditation Authority as the BMDO corporate application sponsors, which are BMDO deputies (“two-letters”). The term “user” is intentionally deleted from BMDO verbiage because of potential confusion. However, the “user” is thought of as the M&S application sponsor (i.e., the sponsor(s) of the study/test/event for which the M&S is being used), who has been identified as the accreditation authority.

Definitions from DoDI 5000.61

Accreditation Agent. The organization designated by the M&S Application Sponsor to conduct an accreditation assessment for an M&S application.

Accreditation Authority. The organization or individual responsible to approve the use of a model, simulation, or federation of simulations for a particular application.

Modeling and Simulation (M&S) Application Sponsor. The organization that accredits and uses the results or products from a specific application of a model or simulation.

Modeling and Simulation (M&S) Proponent. The DoD Component organization that has primary responsibility to initiate development and life cycle management of the reference version of one or more models and/or simulations.

Validation Agent. The person or organization designated to perform validation of a model, simulation, or federation of models and/or simulations and the associated data.

Verification Agent. The person or organization designated to perform verification of a model, simulation, or federation of models and/or simulations and the associated data.

References

Ballistic Missile Defense Organization (BMDO), contributed by BMDO standards experts, not published (np).

Department of Army Pamphlet (DA PAM) 5-11: *Verification, Validation, and Accreditation of Army Models and Simulations*, September 1999.

DoD Instruction (DoDI) 5000.61: *DoD Modeling and Simulation (M&S) Verification, Validation, Accreditation (VVA)*, June 2001 coordination draft.

SECAF Air Force Instruction (AFI) 16-1001: *Verification, Validation, and Accreditation (VV&A)*, June 1996.

SECNAV Instruction 5200.40: *Verification, Validation, and Accreditation of Models and Simulations*, Apr 1999.

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