

VV&A Recommended Practices Guide

Acronym List

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A	
ADM	Application Domain Modeling
ADS	Authoritative Data Sources
AF	Air Force
AFI	Air Force Instruction
AI	Artificial Intelligence
AR	Army Regulation
B	
C	
C2	Command and Control
C4I	Command, Control, Communications, Computers, and Integration
c. i.	confidence interval
CASE	Computer Aided Software Engineering
CCB	configuration control board
CGF	Computer Generated Forces
CMM	Capability Maturity Model for Software (also SW-CMM)
CMMS	Conceptual Model of the Mission Space (original name of Functional Description of the Mission Space (FDMS _[RPG1]))
COTS	commercial-off-the-shelf [software]
D	
DBMS	data base management system
DCCB	developer configuration control board
DEVS	Discrete Event System Simulation
DIF	data interchange formats
DIS	distributed interactive simulations; also the common name for the Standards for Interoperability of Distributed Simulations Workshops (1989 – 1997)
DMSTTIAC	Defense Modeling, Simulation, and Tactical Technology Information Analysis Center
DoD	Department of Defense
DoDI	Department of Defense Instruction
DT	developmental test (or testing)
DT&E	Developmental Test and Evaluation
E	
EATI	entities, actions, tasks, and interactions
F	
FCM	federation conceptual model

FDMS	Functional Description of the Mission Space (originally known as the Conceptual Model of the Mission Space (CMMS[RPG2]))
FEDEP	federation development and execution process
FFRDC	federally funded research and development center
FM	formal methods
FMECA	Failure Modes and Effects Criticality Analysis
FMI	failure mode identification process
FMICA	Failure Modes and Impacts Criticality Analysis
FOM	federation object model
G	
GOTS	government-off-the-shelf [software]
H	
HBR	human behavior representation
HE	human engineering
HITL	human-in-the-loop
HLA	high level architecture
I	
IA	impact assessment process
IA	information asses
ICD	Interface Control Document (or Drawing)
IDE	Integrated Development Environment
IDE	Integrated Development Environments
IEEE	Institute of Electrical and Electronics Engineers, Inc.
IPT	integrated product team
IR	infrared
IRS	Interface Requirements Specification
ISO	International Organisation for Standardization
IV&V	independent verification and validation
J	
JAD	Joint Application Design
JADS	Joint Advanced Distributed Simulation
JAMIP	Joint Analytic Model Improvement Program
JSIMS	Joint Simulation System
JST	JWARS study team
JWARS	Joint Warfare Analysis System
K	
KBS	knowledge based system
KE	knowledge engineering

KPP	key performance parameter
L	
LOE	level of effort
M	
M&S	modeling and simulation
m.r.a.	model range of accuracy
METT-T	mission, enemy, terrain, troops, and time available
MOE	measure of effectiveness
MOM	measure of merit
MOO	measure of outcome
MOP	measure of performance
MORS	Military Operations Research Society
MSIAC	Modeling and Simulation Information Analysis Center
MSRR	Modeling and Simulation Resource Repository
MVC	model validation criteria
MVC	model validation criteria
N	
O	
ODC	other direct costs
OMT	object model template
OO	object oriented
OOB	order of battle
ORA	operational risk analysis
ORD	Operational Requirements Document
OT	operational test (or testing)
OT&E	Operational Test and Evaluation
OTA	Operational Test Authority
P	
PAM	[Army] Pamphlet
PM	program manager
POC	point of contact
Q	
QA	quality assurance
R	
RF	radio frequency
ROI	return on investment
RPG	recommended practices guide
RTI	run time infrastructure

RTM	requirements traceability matrix
RV	results validation
S	
s.c.i.	simultaneous confidence intervals
SAF	semi-automated forces
SCM	software configuration management
SCS	Society for Computer Simulation International
SCS	Society of Computer Simulation International
SCSC	Summer Computer Simulation Conference
SDD	software development document
SDRD	software detailed requirements document
SDS	software design specification
SE	software engineering
SECNAV	Secretary of the Navy
SEIT	systems engineering and integration team
SIMVAL	Simulation Validation (a series of symposiums sponsored by MORS and SCS to explore validation)
SIMVAL	Simulation Validation. A series of symposiums sponsors by MORS
SME	subject matter expert
SOM	simulation object model
SOW	statement of work
SRS	software requirements specification
SSKP	single shot kill probability
SSS	system specification
SW-CMM	Capability Maturity Model for Software (also CMM)
T	
T&E	test and evaluation
TA	target acquisition
TDY	temporary duty
TWG	Technical Working Group
U	
UML	unified modeling language
USD(A&T)	Under Secretary of Defense for Acquisition and Technology
USMC	United States Marine Corps
V	
V&V	verification and validation
VV&A	verification, validation and accreditation
VVE&T	verification, validation, evaluation and testing

W	
WIPT	working integrated product team (IPT)
WWW	world wide web
X,Y,Z	

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[RPG1] Designated as the Conceptual Model of the Mission Space (CMMS) in DoD 5000.59-P, the *DoD M&S Master Plan*. The term CMMS is in the process of officially being changed to FDMS.

Page: 2
[RPG2] Designated as the Conceptual Model of the Mission Space (CMMS) in DoD 5000.59-P, the *DoD M&S Master Plan*. The term CMMS is in the process of officially being changed to FDMS.