



NETWARS 2006 Monthly WIPT Report

May 31, 2006

Contract DASW01 03 D 0008



Prepared by
Brian Wrenn
Senior Modeling Engineer
OPNET Technologies, Inc.

Prepared for
DISA

Table of Contents

1	Attendees.....	3
2	Discussion	4
2.1	Summary	4
2.2	Presentation.....	4
2.2.1	Changes coming to the current MDG	4
2.2.2	Review of Verification and Validation Section of MDG	4
2.2.3	A&S WIPT Schedule.....	4
2.3	Comments	4
2.3.1	Changes coming to the current MDG	4
2.3.2	Review of Verification and Validation Section of MDG	5
2.3.3	A&S WIPT Schedule.....	5
2.4	Action Items.....	5

1 Attendees

Name	Organization	email & phone
Bukoski, Matt	Booze Allen Hamilton	bukoski_matthew@bah.com 703-377-4441
Khoa	SPAWAR-SD	khoadang@spawar.navy.mil 619-553-2872
Mays, Jermaine	DISA-NCS	jermaine.mays@disa.mil
Mitchell, Carroll	DISA	Carroll.Mitchell@disa.mil 703-681-4688
Charmaine Aquino	SPAWAR-SD	charmaine.aquino@navy.mil 619.767.4760
Rangi, Kamaljit	USMC	kamaljit.rangi@usmc.mil 760-766-0044
Wrenn, Brian	OPNET	bwrenn@opnet.com 240-497-3000
Zmola, Carl	OPNET	czmola@opnet.com 240-497-3000

2 Discussion

2.1 Summary

- Changes to MDG since last meeting
- Review of Validation and Verification section of MDG
- Comments from MDG reviewers
- Next WIPT topic – MDG roadmap in introduction

2.2 Presentation

2.2.1 Changes coming to the current MDG

- Complete rewrite of Section 1 (Introduction)
- Complete rewrite of Section 2 (Technical Overview)
- Reorganization of content of Section 3 (Building NETWARS Models) by BAH
- Up-to-date information still to come for...
 - Circuit Switched technology information
 - Media Gateway technology information

2.2.2 Review of Verification and Validation Section of MDG

Presented by Matt Bukoski

- Overall
 - General goal now is reducing content
 - Should include compliance references to Section 3
- Sections 1.1 and 1.2
 - Have a great deal of information duplicated from the NETWARS V&V Plan document
 - Have some out of date information
 - Should reference DMSO and NAVMSO M&S documentation
 - 1.2.7 should differentiate testing *approaches* with testing *techniques*
- Section 1.3
 - Good content
 - Good screenshots
 - Need a “family tree” of where this fits into the model development process; something analogous to a state diagram

2.2.3 A&S WIPT Schedule

- Next meeting will cover a proposed MDG roadmap in introduction

2.3 Comments

2.3.1 Changes coming to the current MDG

No participants made comments about this topic.

2.3.2 Review of Verification and Validation Section of MDG

Referencing of MIL STDs

[K. Rangi] The V&V process should require all models to indicate any MIL STDs and specifications the developers used in their creation.

[M. Bukoski] The internal node model documentation BNF does require this.

Verification and Validation content location:

[B. Wrenn] The NETWARS Program Office did okay the inclusion of the V&V content as a section of the MDG

[K. Rangi] The MDG should reference material in the Validation and Verification document rather than include it in one of its sections.

[B. Wrenn] The MDG can better serve model developers as one single point of reference for all model development matters (excluding those of the COTS documentation), so the content of the Verification and Validation Plan should exist.

[C. Mitchell] The MDG in any case needs a roadmap that better guides a reader through the document.

[M. Bukoski] If the V&V content does become part of the MDG, the current content of the MDG needs updating.

References to Section 3 of the MDG

[C. Mitchell] Some of the subsections are too big, and because of that someone reading may have too much trouble locating content in those particular subsections.

2.3.3 A&S WIPT Schedule

[B. Wrenn] We will shift all future dates for '06 back one A&S WIPT meeting date and make an MDG roadmap review the topic of the next.

2.4 Action Items

- Brian Wrenn will forward feedback from MDG reviews of A&S WIPT participants to the NETWARS Program Office
- Matt Bukoski will provide IEEE references to M&S definitions of *approach* and *technique* to Brian Wrenn for use in the MDG
- DISA Program Office will make a decision based on where to put the Verification and Validation Plan content, in the MDG or a standalone document
- DISA Program Office will identify someone to create the proposed roadmap to present at the next A&S WIPT Meeting