

Practical Software and Systems Measurement

A foundation for objective project management



Measurement of Safety & Security Processes

*PSM TWG Meeting
24 March 2005 / 08:30 – 17:00
Paul Caseley, John Murdoch*

Objectives of the Workshop

- *to assess PSM work to date (White Paper v1.0) and draw up recommendations for v2.0*
- *to define a plan of action for maturing measurement proposals and their take-up*
- *to identify beneficial collaborations between the PSM project effort and related programs; to define the role of the PSM project in security measurement*
- *to seek participation/ opportunities for trials, case studies and assessments*

Workshop Participants

- ***Joe Jarzombek***
- ***Greg Larsen***
- ***James Moore***
- ***Phil Flora***
- ***Iona Rus***
- ***Cheryl Jones***
- ***John Murdoch***
- ***Vivian Cocca (presentation to full workshop)***

Workshop Format 1

Agenda (am)

8:30 Introduction

Joe Jarzombek, DHS: The key questions

***8:45 Strategic Observations and Thoughts on a
System Model for Security Metrics/Measurements***

Greg Larsen, IDA, Security Issues

Discussion

10:00 break

10:30 Discussion continued

12:00 Lunch

Workshop Format 2

Agenda (pm)

13:00 Review feedback on Security White Paper v1.0

15:00 break

***15:30 Work Plan: PSM effort leading to July 2005
(v2 – with additions)***

Collaborations: role of PSM effort, other programs

16:45 Wrap up

17:00 Close

Workshop Background

- ***TWG met at the February and July 2004 PSM workshops (safety measurement considered through 2003)***
- ***Security Measurement White Paper, v 1.0 issued 30th November 2004***
- ***iCMM/CMMI materials for an Application Area in Safety & Security Assurance (published Jan 2004)***
- ***National Framework for Cybersecurity developing over the same period: calls for security metrics***
- ***Related works: JHU/DoD, DoD IA Metrics, SPAWAR study***

Output

- 1. Location of PSM work with respect to related studies***
- 2. Potential integration with Greg Larsen's model at organizational/ strategic need level***
- 3. Feedback on Security White Paper v1.0***
- 4. Planning for next steps, transition to update to v2.0 of White Paper, July meeting, collaborations***

Actions: JM to update Security White Paper to v2.0

CJ and JM to develop work plan further; explore collaboration with DoD IA Metrics work

JM to update Safety White Paper to v 3.0