

Practical Software and Systems Measurement

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A foundation for objective project management

Acquisition Measurement—Workshop #7



July 27, 2006

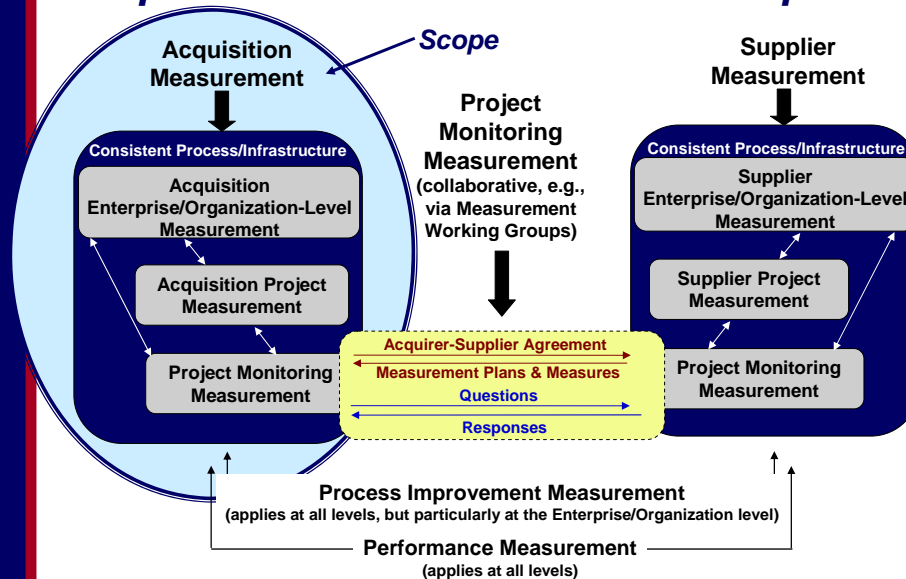
Cheryl Jones, US Army RDECOM
Joe Dean, Tecolote Research
Rita Creel, SEI

PSM Users' Group Conference
24-28 July, 2006
Vail, Colorado

PSM 1

July 2006

Practical Software and Systems Measurement Acquisition Measurement Workshop



PSM 2

July 2006

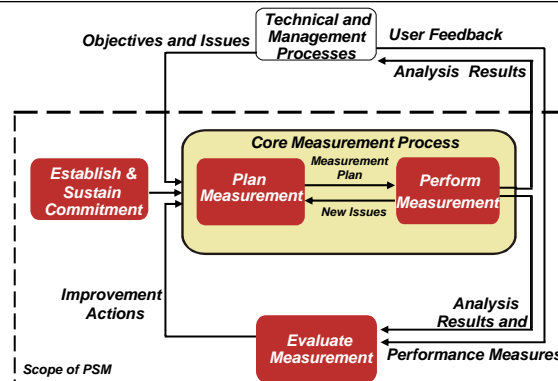
Practical Software and Systems Measurement Core Measurement Process Differences: AOM/APM vs. PMM

PLAN

- For AEOM/APM, develop plan for "self-measurement"
- For PMM, develop SOW language and DIDs, & obtain/review supplier Measurement Plan

PERFORM

- For AEOM/APM, collect, validate, & analyze data; and report results & recommendations
- For PMM, obtain delivered data, validate & analyze, and report results & recommendations



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Practical Software and Systems Measurement Objectives of the Workshop

Since 2004, the Acquisition Measurement working group has made progress in three areas. Part c is the focus of our current workshop:

- **Part a: Acquisition Cost Model**
 - Previous work: Reviewed cost model parameters
 - Status: Editorial scrub in progress – revised WBS will be distributed for a post-workshop review
- **Part b: Acquisition Measurement Guidance**
 - Previous work: Developed a strawman defining different categories of acquisition measurement and describing a process (based on PSM) and some lessons learned applicable to acquisition measurement
 - Status: Editorial scrub in progress – revised paper will be distributed for a post-workshop review
- **Part c: Acquisition ICM* Table and Measures**
 - Previous work: Identified some Information Needs, Measurable Concepts and candidate Measures related to the acquisition organization's role and tasking
 - Objectives for this workshop: Review each Measurable Concept grouping against the revised WBS for conciseness, completeness, mapping to the WBS, and mapping to the various types of acquisition measurement

* Information need, measurable Concept, Measure

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Workshop Format – Proposed Agenda

- 8:30-9:00** Participant introductions, background, and interest
- 9:00-9:30** Review
- Categories of Acquisition Measurement
 - Purpose of Acquisition ICM Table
 - Top-level Acquisition WBS
- 9:30-12:00** Review each Measurable Concept in Acquisition ICM Table to identify gaps, overlaps, and inconsistencies in questions, prospective measures, and applicable Acquisition Measurement categories
- Break @ 10:00*
- 12:00-1:00** Lunch
- 1:00-4:30** Continue from A.M.
- Break @ 3:00*
- 4:30-5:15** Prepare summary of updates to table, work remaining, and plan to complete

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Workshop Background

- ***Acquisition Measurement Guidance Paper outline proposed in March 2004.***
 - *Paper drafted in late 2004 and subsequently revised: The WBS and ICM Table are appendices of this paper.*
- ***Acquisition WBS draft reviewed and revised in March 2006.***
 - *WBS will be used to identify the activities and products to be measured, and ultimately the measures to include in the draft ICM Table.*
- ***Acquisition ICM Table development began in July 2004 and is the focus of the current workshop.***
 - *Currently, top priority is to ensure coverage in the table for information needs related to key WBS elements (reviewing the draft table against the WBS).*

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Intended Output

- ***Workshop Outbrief***
- ***Updates to the Acquisition ICM Table and Measures, v 1.0***

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***Acquisition Measurement—
Workshop #7***

- ***Acquisition ICM Table and Measures***
 - ***Reviewed each Measurable Concept grouping for conciseness, completeness, mapping to the WBS, and mapping to the various types of acquisition measurement areas***

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Workshop Participants

- **Joe Dean**
- **Cheryl Jones**
- **Kevin Mooney**
- **Joe Cooke**
- **Scott Rigby**

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Restatement of Objectives

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Summary

- ***Completed Part C of objectives to scrub the Acquisition Measurement ICM tables***

Conclusions, Recommendations, and Results

- ***ICM Tables were very detailed and consolidation of many elements were necessary to make a usable product.***
- ***At least one more walkthrough will be necessary before publication.***

Next Steps/Action Items

- ***Complete Beta version of Acquisition Cost Model***
- ***Complete Acquisition Measurement Guidance Draft for PSM review***
- ***Complete Acquisition ICM Table and Measures for PSM review***