

Practical Software and Systems Measurement

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A foundation for objective project management



***Acquisition
Measurement***

25 Feb 2004/1 PM – 5 PM

PSM TWG Meeting

Joe Dean & Paul Janusz

Objectives of the Workshop

- ***Validate current information requirements in the Air Force Model***
- ***Identify the Information Needs (a good set of questions)***
- ***Identify and document potential measures for Acquisition Support for a skeleton I-C-M table***
- ***Interface with Enterprise and Organization Level approach for the Process Improvement Performance Measurement***
- ***Develop a process for an Organizational Model***

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Workshop Format (write over text below)

- ***Agenda***
 - ***1/2 day***
 - ***Review activities completed in last workshop***
 - ***Review Air Force Model***
 - ***Activities***
 - ***Products***
 - ***Labor Categories***
 - ***Identify Information Needs***
 - ***Identify Different Levels for Measurement at the Project Level – Skeleton ICM***
 - ***Link to the Enterprise Level***

Workshop Background

- *PSM history in this area*
 - *WBS breakout for acquisition measures*
 - *AFMC Program Support Resource Model*
- *Where we're heading*
 - *Methods and measures to support Acquirer resource needs vs Supplier's*
- *Issues, questions, and topics*
 - *Program Offices have to justify resources*
 - *Can we develop a generic process to develop a model*

Intended Output

- *Possible validated Model*
- *An initial set of questions/information needs*
- *Skeleton I-C-M table*
- *Consistent approach with Enterprise and Organization Level for the Process Improvement Performance Measurement*
- *Identify a draft process to develop an Organizational Model*

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Workshop Participants

- ***Joe Dean – Tecolote Research, Inc., Workshop Lead***
- ***Paul Janusz – US Army RDECOM, Workshop Lead***
- ***Cheryl Jones – US Army RDECOM***
- ***Jonathan Addelston – UpStart Systems, LLC***
- ***Frances Anderson – The Aerospace Corporation***
- ***Paul Caseley – Defence Science and Technology Labs***
- ***Rita Creel – The Aerospace Corporation***
- ***Tawna De La Vega – Department of Homeland Security, U.S. Customs and Border Protection***
- ***John Murdoch – University of York***
- ***Duane Tant – TYBRIN Corporation***

Workshop Accomplishments

- ***Discussed acquisition support activities performed, products delivered, and services performed by a Program Office***
 - ***Acquisition support issues***
 - ***Multiple roles and responsibilities***
 - ***Relationships among activities and cost drivers***
 - ***Changes throughout the acquisition lifecycle***
 - ***System of systems implications***
 - ***Consistency of definitions***
- ***Reviewed strawman WBS for Acquisition Services and deliverable products***

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Workshop Accomplishments

- ***Reviewed Air Force Product Support Resource Model (PSRM)***
 - ***Reviewed relationships among Program Office, User, Government agencies, Supplier/Contractor, and higher authorities***
 - ***Reviewed various categories/cost drivers that impact the level of Program Office support required***
 - ***Discussed how these can be used to develop manpower estimates***
- ***Discussed how these items can lead to development of acquisition support measures***

Project Unique Considerations

- ***Lifecycle for these types of projects begin before contract award and extends beyond development to include support***
 - ***Measures need to take into account start and end dates, entrance and exit criteria***
- ***Measures need to account for service oriented functions; current measures are more product oriented***
- ***Measures need to account for the different needs and viewpoints of the involved parties***

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Next Steps/Action Items

- ***Workshop participants will provide feedback on Air Force Product Support Resource Model and Strawman WBS for Acquisition Services (WBS Elements and deliverable products)***
- ***Identify acquisition activities, products, services, and issues not currently accounted for***
- ***Identify categories/cost drivers that need clarification***
- ***Identify practical examples of how the categories/cost drivers can be rated on a scale of 1-5***
- ***Provide feedback to workshop leads by 26 Mar***

Next Steps/Action Items

- ***Workshop leads will consolidate feedback and disseminate to workshop participants***
- ***Workshop leads will meet in April to draft WBS Elements and candidate measures***

Conclusions, Recommendations, and Results

- ***There is a tangible need for the ICM Table to be updated for Acquisition Organizations***
 - ***Revisit ICM for placement of information needs specific to acquisition projects***
 - ***Develop measurement specifications for proposed measures, including practical examples***
- ***Recommend continued development***
 - ***Pilot application***
 - ***Additional workshop to validate updated ICM and measurement specifications***