

Practical Software and Systems Measurement

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A foundation for objective project management



***RMC (RUP) Plug-in for
PSM Workshop***

30 March 2006

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PSM TWG

29-31 March 2006

Herndon, VA

RMC Plug-in for PSM

- ***PSM Plug-in history***
 - ***2003 – Presentation and White paper of “Practical Measurement in RUP”***
 - ***2004***
 - ***Jan – Initial release v1.0***
 - ***TWG – v1.0 review***
 - ***2006***
 - ***Jan – v2.0 release***
 - Ported to Rational Method Composer v7.0***
 - Incorporated comments from TWG 2005***
 - ***TWG – v2.0 review***
- ***Over 2400 downloads (v1.0 and 2.0)***

Objectives of the Workshop

- ***Review and discuss PSM Plug-In content***
- ***Identify recommended enhancements for future releases***
- ***Review PSM Plug-In candidate measures (in the context of RUP)***
- ***Identify field sites for validating the PSM Plug-In***

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Workshop Format

- Agenda
 - *1 day*
 - *Review current plug-in content*
 - *Break out into teams to review sections*
 - *Group review of critical pages (such as candidate measures)*

Workshop Plans

- ***Where we're heading***
- ***Issues, questions, and topics***
 - ***Standalone plug-in? Guidebook?***

Intended Output

- ***Feedback on current plug-in***
- ***Enhancements for future versions***
- ***List of field sites who can deploy plug-in on a live project***

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Workshop Participants

- ***Janice Day***
- ***Wendell Mullison***
- ***Antonio Moya***
- ***Doug Ishigaki***

Restatement of Objectives

- ***Review plug-in and Rational Method Composer authoring environment***
- ***Identify improvements***
- ***Identify additional material to add to the plug-in***

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Meeting Notes

- ***Content Improvements to 2.0***
 - ***Enhance getting started: Need additional content on what you need to do to start up a project or organization using PSM and how to do it. This essentially should be the PSM Roadmap. There is a roadmap in the plug-in, however, it's not really a roadmap. We should update this "roadmap" and make into a real roadmap.***
 - ***Also should add these "evolution of an information need into a measurement plan" (page 15 in the book). This is a roadmap of a measure.***
 - ***Enhance the workflow (WBS): Define predecessors/successor to the PSM tasks as defined in the Measurement Process Model (MPM).***
 - ***Define a new process (activities) with just the MPM.***
 - ***Create a Measurement custom category (workaround for discipline limitation) and add all PSM elements to it.***

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Meeting Notes

- ***Additional candidate PSM material to add:***
 - ***SE Leading Indicators guide (PDF)***
 - ***Technical Measurement Guide***
 - ***Measurement Specs (actual specs based on real-life)***
 - ***Clark & Clark – Measurement Specification “Lite”. What’s become of this?***
 - ***There is a sample spec that was part of the User Group TWG proceeding. Is this a valid sample and should we include it in the plug-in?***
 - ***Example (not just a template) of a Measurement Plan.***
 - ***Example of Info Need List.***
 - ***Template and example of Measurement Analysis & Recommendation report***
 - ***Guidebook (download from members only section): “Measuring for Process Management and Improvement (MPM)”***
 - ***Add content from “Measures for Success: Lessons Learned from Applying PSM”***
 - ***Add white paper: “Understanding the Roots of Process Performance Failure”, Charette, Dwinnell, McGarry. Although it doesn’t really reference PSM, it is useful information.***
 - ***White paper: “Implementing a Successful Measurement Program: Tried and True Practices and Tools,” Jones (Cutter IT)***

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Meeting Notes

- ***Additional candidate PSM material to add:***
 - ***Presentation: “Using PSM to Implement Measurement in a CMMI Process Improvement Environment”. This is an organizational level pitch for measurement. Title seems to be misleading – doesn’t talk too much about CMMI?***
 - ***White paper: “Applying PSM to Enterprise Measurement”.***
 - ***PSM Insight Tool Mentors***
 - ***How to use Insight***
 - ***Link to tutorial? Do you have to install the tool? Can we just get a copy?***
 - ***Link to demo? Can we have the demo online on the PSM website?***
 - ***Measurement Technical Papers***
 - ***Evolutionary Acquisition Measurements – NO***
 - ***Measures for Software Product Line - NO***
 - ***Measuring System Operability - NO***
 - ***OO Measurement – YES, but it would be nice if someone would update this paper.***
 - ***Security Measurement white paper (Caseley & Murdock). Where is the latest version?***
 - ***System of Systems white paper? Where is it?***
 - ***Measuring for Process Improvement white paper***
 - ***PSM 2005 Users’ Group presentation: “Measurement Mapping to the CMMI”***

Conclusions, Recommendations, and Results

- ***Current plug-in content contains just the basics (from the book)***
- ***Enhance content by adding current PSM work – white paper, guides, presentations***
 - ***See meeting notes***
- ***Create a separate plug-in that contains only PSM content? (Not everyone uses RUP.)***
- ***Create (additional plug-ins) for other TWG output (such as the Acquisition Measurement TWG)***

Next Steps/Action Items

- ***Someone from PSM should review the list of candidate material and identify what we should include and what's missing.***
- ***Doug to organize a web conference to show and discuss whether we want to use RMC or the Eclipse Process Framework as a common authoring environment (for additional plug-ins).***