

Practical Software and Systems Measurement

A foundation for objective project management



***Process Improvement
Readiness Measures
PSM Users Group Conference***

July 27, 2000

PI Readiness Workshop

- ***PI Focus Area***
- ***Workshop Background***
- ***Objectives***
- ***Agenda and Approach***

PI Focus Area

- ***Measurement in process improvement***
 - ***Focus is on PI programs and results, e.g., those resulting from the development, instantiation, and use of improved processes and corresponding process assets***
- ***No specific process reference model is assumed***
- ***PI efforts can be treated as projects and therefore can be managed accordingly***

Workshop Background

- ***Work in progress since July, 1999***
 - ***99 User Conference workshop identified four areas of measures***
 - ***February 2000 Technical Working Group continued the effort***
- ***Expect to have PI results in these areas***
 - ***PI Readiness measures***
 - ***Outcome measures for PI [now subsumed in Project Justification Common Issue Area]***
 - ***PI Considerations section for the project measures of V4 (as for Software and Systems)***



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Objectives of the PI Readiness Workshop

- ***Extend the work from February 2000 to***
 - ***agree to definition of this Common Issue Area***
 - ***agree to definitions of the categories of measures in this area***
 - ***identify questions to be answered in each category***
 - ***map out several measures in each category***
- ***Incorporate input brought to this session***
 - ***from ISO 15504 (SPICE)***
 - ***from individuals participating in the workshop***

Intended Output

- ***PI Readiness Common Issue Area***
 - *definition of area*
 - *definition of categories of measures*
 - *example questions for each category*
 - *example measures for each category*
- ***Categories projected in February***
 - *Alignment/Commitment*
 - *PI Process Capability*
 - *Motivation for Change*
 - *Resources*

PI Readiness Results

- ***Eliminated two categories (Motivation for Change - now covered in Project Justification) and Resources (included in other categories)***
- ***Generated definition tables for***
 - ***Process Improvement Readiness Common Issue Area***
 - ***Category: Organization Alignment/Commitment***
 - ***Category: Process Improvement Capability***
 - ***ICM draft (in new style of 15939) for this area***

Workshop Participants

- ***Chui Fan Cheng***
- ***Wendell Mullison***
- ***Walter Benesch***
- ***Natalie Reed***
- ***Don Gantzer***
- ***Garry Roedler***
- ***Sara Kidnell***
- ***Terry Rout***
- ***Joyce Statz***

Practical Software and Systems Measurement **Conclusions, Recommendations, and Results**

- *Agreement on definitions of this Common Issue Area, 2 categories, and which measures need to be defined*
- *Recommend that this Common Issue Area apply to systems and software projects, as well as PI projects*
- *Note: this area and the Project Justification area interact and are considered in parallel at the start of a project*

Next Steps/Action Items

- ***Consolidate with the other PI workshop results***
- ***Review all of v4 and redline it to address PI***
- ***Determine whether or not to generalize the Readiness Common Issue Area to all projects***
- ***Complete the draft tables from here and put on the Web for comment***
- ***Locate examples for the measures identified as “need to be defined” and put on the Web***
- ***Have draft material to peer review at next TWG, with intent to be finalized then***