

Experiences with Indicator-Based Appraisals

Panel

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- Introduction
- Panel Participants
 - Gene Miluk (Software Engineering Institute)
 - Rick Hefner (TRW)
 - Jane Moon (Raytheon)
 - Marvin Carr (Lockheed Martin)
- Open Discussion

- Based on Practice Implementation Indicators (PIIs)
 - Reflecting implementation of CMMIsm model practices
 - Artifacts produced as an outcome of process deployment
 - Corroborated by face-to-face affirmations
- Contrasting with traditional observation-based appraisal methods
- Verification-based appraisals
 - Leverage existing organizational assets describing mapping and implementation of CMMI model practices
 - PII Database
 - Efficiencies from reduced appraisal team “discovery” of objective evidence on-site

SM - CMMI and SCAMPI are service marks of Carnegie Mellon University.

- **Direct Artifacts**
 - Tangible outputs resulting directly from implementation of a practice
(e.g., documents, deliverables, Typical Work Products)
- **Indirect Artifacts**
 - Artifacts that are a side-effect or indicative of performing a practice
(e.g., meeting minutes, reviews, logs, reports, Typical Work Products)
- **Affirmations**
 - Oral or written statements confirming or supporting implementation of the practice
(e.g, interviews, questionnaires)

Example - PII-Based Implementation and Appraisal

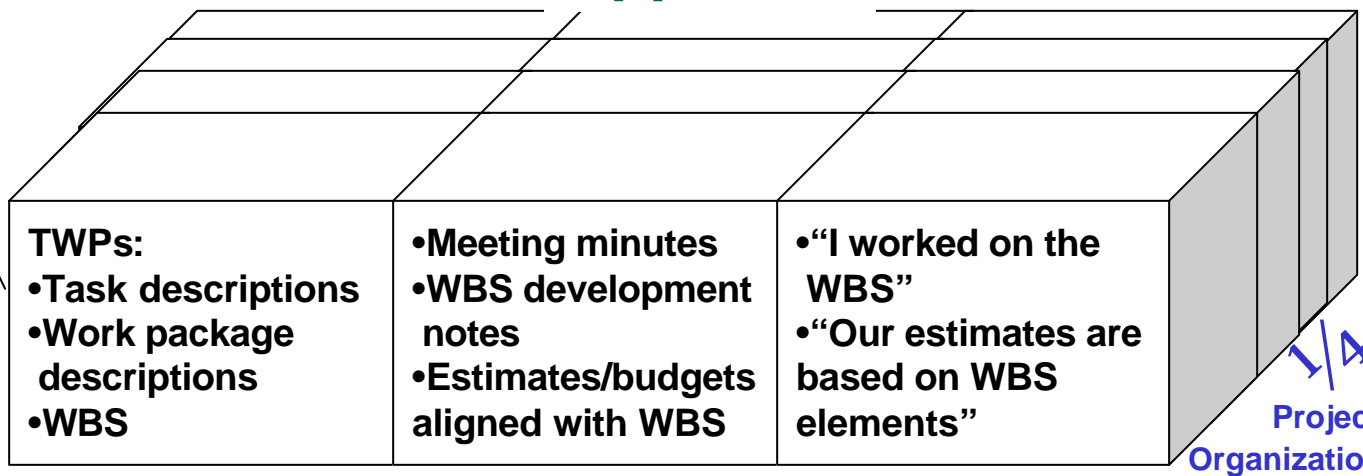


PP SP1.1: Establish a top-level work breakdown structure (WBS) to estimate the scope of the project.

- Presentations
- Instruments
- Interviews
- Documents

Appraisal

↑
CMMI
SPs, GPs
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Direct Artifacts Indirect Artifacts Affirmations

Practice Implementation Indicator (PII) Types

Model

Deployment