Raising the Bar: How to Increase Your Organization's **Project Management Maturity**

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Abstract

Since the advent of a formal body of knowledge for our profession, many project management practitioners have encountered resistance to the use of modern project management methods in their organizations. There are many reasons for this resistance, such as entrenched functional management, cultural inertia, and lack of awareness and understanding of the benefits of a project management methodology that fits their needs.

This presentation will help new and experienced project managers understand their organizational environment and the challenges they face, and will outline a useful set of tools to help the project manager increase the project management maturity of their larger organizations.

Attendees, both pre and post certified, will be enriched with fresh observations, unique ideas, and useful tools to guide their organizations toward more successful projects in the future.



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- PMI® Certified Project Management Professional (PMP-6714)
- ASQ® Certified Quality Manager (CQM)
- ASQ® Certified Software Quality Engineer (CSQE)
- BS Information Systems Mgmt Computer Science
- MBA Telecommunications Management

Projects and Management

- Cooper Consulting 2005-2011
 TX Sec. of State VR/EM/JM Sys
- Motorola 5 yrs.

 Transportation Systems Group MOS-11 Wafer Fab
 Texas Instruments - 15 yrs.
- OS Development Mgr Knowledge Engineering Mgr Software Engineer

Education and Quality

- U.Texas CLEE SQI SWPM -1993-Pres U.Texas PDC PM Cert. Pgm -1993-2008
- Daman Consulting AMD Project 2004 U.Dallas GSM 1999 Pres
 - Prentice-Hall Textbook- 2002
 Quality Texas P.E. Examiner 2 yrs.
 - Greater Austin Quality Examiner 2 yrs
 - UT ECE ARISE Audit Team 2011-Pres
 - OAG/CSD TXCSES2 Dev. Project

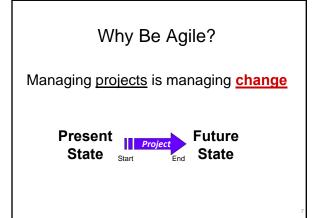




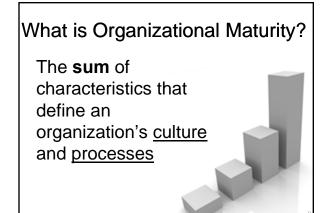
Why Do You Even Want to Be More Mature?

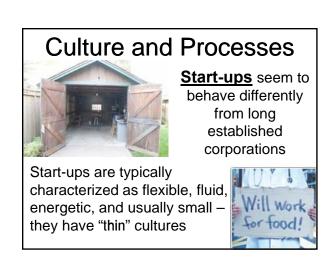
- Capitalize on Your Experience?
- Repeat Successes?
- Be Fiscally Conservative?



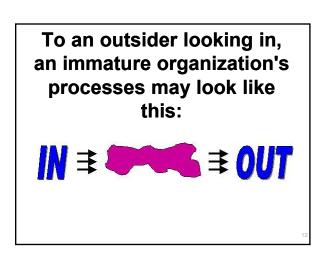














Culture and Processes

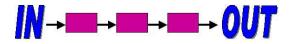
More established organizations tend to have "thicker" cultures with long established and set ways to behave, embodied in many formal processes for doing almost anything

Mature Orgs May Be Characterized as:



- Well controlled processes, that are audited, and enforced
- Processes are defined, documented, and continuously improving
- Product and process measurements are gathered and used
- Documented processes are consistent with the way work actually gets done
- There is a disciplined use of technology
- Supported visibly by management

To an outsider looking in, a mature organization's processes may look like this:



In Org Maturity: Does Size Matter?

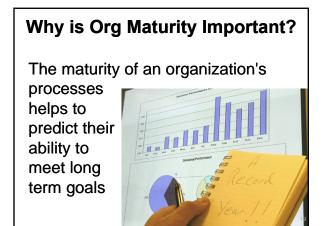
No, not really...

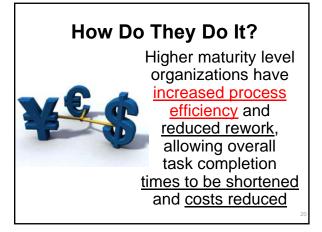
It is more a function of knowledge and skill, applied with discipline, focus, and efficiency





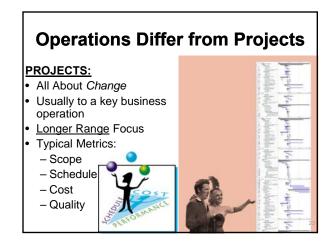






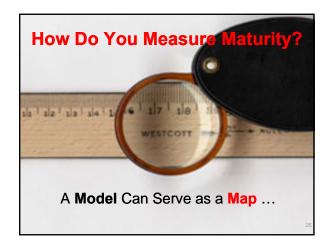


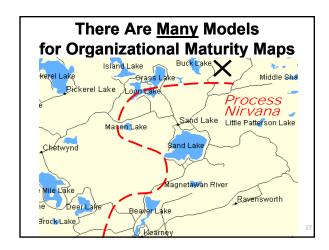


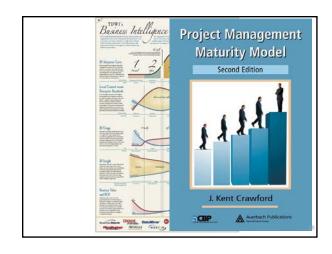






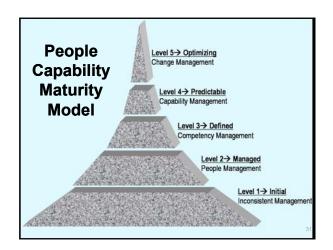


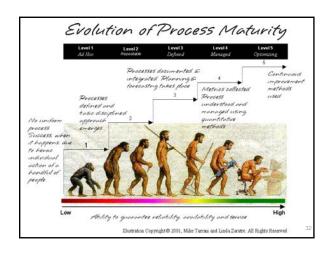


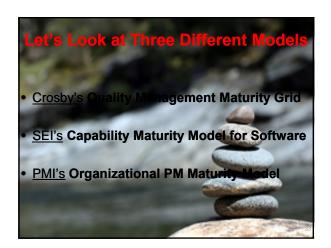


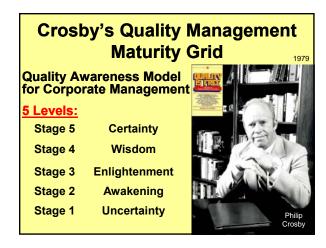


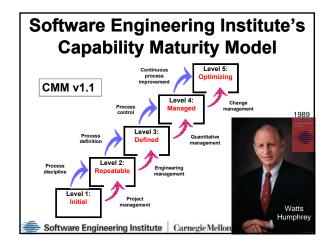






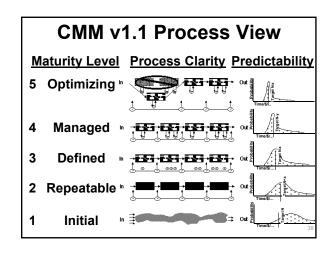




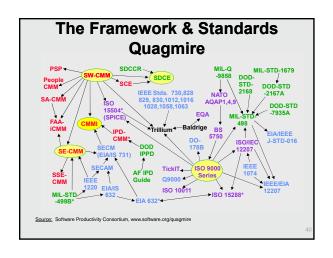


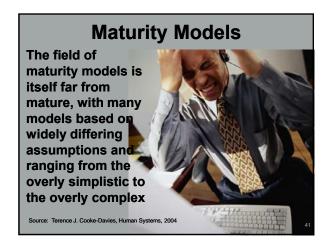
Capability Versus Performance Process capability – the range of expected results that can be achieved by following a process. A predictor of future project outcomes. Process performance – a measure of the actual results achieved from following a process. Refers to a particular project in the organization.

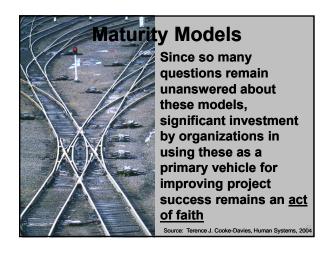
Process Determines Capability Process: set of activities or tasks which are necessary to accomplish a given mission Capability: the range of results expected from following a given process Predicted by Indicated by Process Capability Process Maturity



OPM3: PMI's Organizational Project Management Maturity Model Introduced 2003 2nd Edition 2009 3rd Edition 2013 Helps organizations understand and assess the state of their current organizational project management maturity, and plan a maturity improvement path Based on market research surveys sent to thousands of project management professionals Incorporates 100s' of best practices and capabilities, outcomes, and key performance indicators



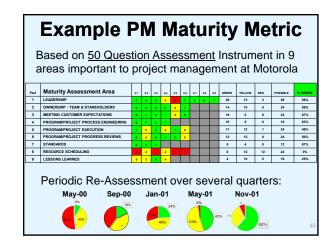


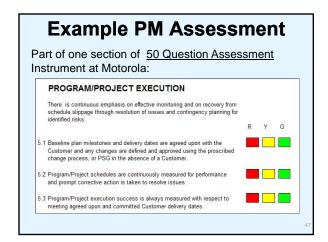


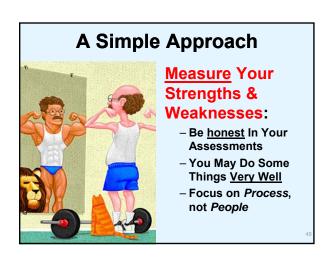




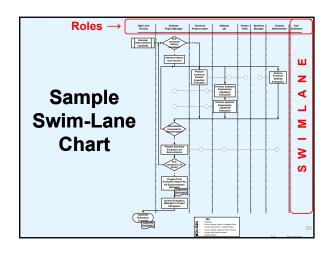




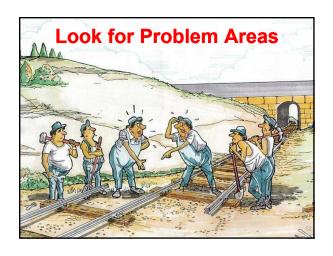






















1 - Management of the Organization's Project Portfolio

a. Portfolio Development

- Development of the strategic plan, the annual budget, and the project portfolio is integrated





1 - Management of the Organization's Project Portfolio

- b. Portfolio Maintenance
 - Priorities are consistent across the organization & individual projects are resourced HANGED accordingly

RIORITIES

- 1 Management of the Organization's Project Portfolio
- b. Portfolio Maintenance
 - A portfolio change management process is in place and is objective, documented, communicated, and followed





- 2 Management of the Individual Projects within the Portfolio
- a. Repeatable Processes

Ensure that the following are documented, understood, and followed!:

- Project management processes to identify & manage the project work
- **Product**-oriented processes to specify the characteristics of the
- **Product release** processes to integrate the product of the project with on-going business operations



- 2 Management of the Individual Projects within the Portfolio
- b. Access to Decision Making Info **Ensure that the management team has:**

Ready access to information needed

for planning (like planning templates, lessons learned from previous projects, the contents of the project portfolio, loaded salary

rates, etc.)



- 2 Management of the Individual Projects within the Portfolio
- b. Access to Decision Making Info
 Ensure that the management team has:
 - Timely access to project-specific information for decision-making during execution (like the project plan & supporting detail, actual results & project status information, etc.)



- 2 Management of the Individual Projects within the Portfolio
- c. Knowledgeable and Skilled Team
 Ensure the project team has the
 necessary skills. These include:
 - Project mgmt skills

 (creating WBS's and network logic diagrams, earned value, etc.)



- 2 Management of the Individual Projects within the Portfolio
- c. Knowledgeable and Skilled Team
 Ensure the project team has the
 necessary skills to execute their
 project. These include:
 - General mgmt skills (leadership, teamwork, negotiation, decision making, financial analysis, etc.)



- 2 Management of the Individual Projects within the Portfolio
- c. Knowledgeable and Skilled Team
 Ensure the project team has the

nsure the project team has the necessary skills to execute their project. These include:

 Application area skills (skills needed to understand the <u>product</u> of the project: software development, operations mgmt, support services, etc.)



- 2 Management of the Individual Projects within the Portfolio
- d. <u>Stakeholder Commitment</u>

 Ensure that <u>every project</u> has the following:
 - A project sponsor
 who provides the necessary
 financial support, and acts
 as a project champion to
 remove barriers as required



- 2 Management of the Individual Projects within the Portfolio
- d. <u>Stakeholder Commitment</u>

 Ensure that <u>every project</u> has the following:
 - -An internal customer
 who demonstrates their need
 for the project's product by
 delivering on their
 commitments when and
 as promised























Implementing an Organizational Project Management Culture

• It's a threelegged stool...

 Maturity and progress in <u>each area</u> must occur <u>roughly together</u>, else the stool will be unbalanced ...







