

Process Transition International, Inc. (PTI)

presents

The SEI-Authorized Introduction to Capability Maturity Model®-Integration (CMMI®) Version 1.2

supplemented with
PTI's Dymond  Diagrams™

Who will benefit from this course?


- Systems and software engineering managers and practitioners interested in understanding the CMMI® v1.2
- Appraisal teams who will use the CMMI-based appraisal method (SCAMPISM)
- Systems and Software Engineering Process Group (SEPG/EPG) members who are leading process improvement in their organization
- All those who must complete the SEI-Authorized Introduction to CMMI and receive an SEI course completion certificate

Course Description

The Introduction to CMMI® course introduces participants to the CMM-Integration and its fundamental concepts. The course discussion emphasizes understanding of maturity and capability levels and the grouping of process areas (PAs). The course is based on version 1.2 of the CMMI released in 2006.

This three-day course describes a framework that organizations can use to determine their ability to develop and maintain systems; it is a model for organizational improvement. The course is composed of lectures and class exercises with ample opportunity for participant questions and discussions.

The Introduction to CMMI workshop helps prepare appraisal participants to make valid judgements regarding an organization's implementation of the process areas. The course is helpful in identifying issues to be addressed in performing process improvement as structured by the CMMI v1.2 model.

PTI supplements SEI training material with its Dymond  Diagrams™ to illustrate and condense process area details for immediate understanding.

Course Outline

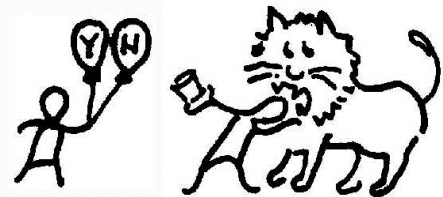
Day 1

Process Improvement Concepts and CMMI
CMMI Model Components Overview
Model Representations and Institutionalization
Product Development I Process Areas
Homework reading, approx. 30 pages (SEI requirement)

Day 2

Review of homework reading
Managing the Project Process Areas
Project and Organizational Support Process Areas
Product Development 2 Process Areas
Improvement Infrastructure Process Areas
Homework reading, approx. 30 pages (SEI requirement)

with
Dymond  Diagrams™



Stakeholders

Introduction to CMMI-Version 1.2 SEI-Authorized Course

Day 3

Review of homework reading

Managing Quantitatively Process Areas
Supporting Complex Environments Process Areas
Tying It All Together
Next Steps and Course Summary

Course Objectives

The course will help participants

- Understand the importance of having defined processes within an engineering organization and the rationale for process improvement.
- Comprehend the architecture of the CMMI models (maturity levels, process areas, goals, and generic practices).
- Gain a sufficient understanding of PA components to function on a CMMI-Based Appraisal team.
- Be able to apply the CMMI principles to meet the needs of systems engineering and software engineering organizations.

Schedule and Course Work

Introduction to CMMI is a three-day course and typically runs 8:30 a.m. - 5:00 p.m.

Reading homework is assigned on the first two course days.

Note: The SEI requires for successful completion of this course that participants attend “classroom discussions and classroom exercises all three days, not missing any classroom time.”

Course Materials

As part of the course, participants will receive the Addison Wesley book, *CMMI®: Guidelines for Process Integration and Product Improvement, Second Edition*, a course notebook with SEI slides, and a copy of *A Guide to the CMMI® 2nd Edition* by Ken Dymond, published 2007. Participants who attend all sessions receive an SEI certificate of completion.

SEI-Authorized Instructors and PTI's Unique Approach

Ken Dymond, former SEI project leader, author of *A Guide to the CMM®: Understanding the Capability Maturity Model for Software* and *A Guide to the CMMI®*, and SEI-authorized lead appraiser and course instructor presents the workshop with his Dymond◊Diagrams™. Similar diagrams, based on the Pictogram Method™, have enabled audiences on four continents and book buyers throughout the industrialized world to understand and interpret the content of the CMM and CMMI. The SEI acknowledges the Dymond◊Diagrams™ as a basis for their training materials.

Cynthia Wise, co-author at the SEI of the original version of the CMM and a recognized authority on its interpretation and application.

For information about offerings of the course in public or at your site, contact

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