

**ABOUT THE WORKSHOP**

Our CMMI<sup>®</sup> User Workshop builds in-depth knowledge of CMMI<sup>®</sup>-DEV V.1.2 model content. It does this by grounding the instruction in participants' specific application needs.

The five-days of the workshop are built around CMMI<sup>®</sup> relationships and dependencies that are essential for effective model use. It provides links across component and "level" boundaries to build robust, dynamic knowledge that can be implemented to address the complex realities of real world development.

This training experience is a workshop in the purest sense. More than half of the class time is devoted to practical exercises that

- consolidate and ground participants' personal model knowledge
- help participants develop model application approaches that will effectively address their organizations' particular needs and objectives.

**AUDIENCE**

Anyone wanting or needing additional knowledge of CMMI<sup>®</sup>-DEV content and practical application. Included, among others, would be process group members, managers, and those who intend to qualify for CMMI<sup>®</sup>-related credentials.

**OBJECTIVES**

Participants should be able to do the following when they have completed this course:

- locate detailed model content that is relevant to their needs
- correctly and accurately describe model content and intent
- use CMMI<sup>®</sup> vocabulary accurately
- trace and follow key model threads and themes
- determine application considerations of the above for their particular circumstances
- use exercise results immediately and productively upon returning to their organizations
- use self-test materials as an aid to expanding and consolidating their model knowledge.

**TOPICS**

- Introduction
- CMMI<sup>®</sup> Overview and Review
- CMMI<sup>®</sup> Conformance
- CMMI<sup>®</sup> Relationships
- Improving Processes
- Developing the Product
- Managing Project Work
- Management Threads
- Action Planning
- Workshop Review and Summary

**PREREQUISITES AND PREPARATION**

The workshop was originally designed to be follow-on instruction to the SEI's Introduction to CMMI<sup>®</sup> course. The fundamental model knowledge gained in this course, with additional study of the model, provide a solid foundation for participating effectively in the User Workshop.

We have found that people who have no previous CMMI<sup>®</sup> exposure can participate effectively in the workshop and gain a great deal from it. We still recommend some level of advance preparation, however, since training proceeds very rapidly. The workshop is open to anyone who wishes to attend.

**COURSE MATERIALS**

The following materials will be provided for each participant:

- copies of the slides used in the course
- an exercise workbook
- CMMI<sup>®</sup>-related job aids and summaries.

Participants will need to provide their own copy of the Addison-Wesley book, *CMMI<sup>®</sup>: Guidelines for Process Integration and Product Improvement (2nd Edition)*, by Mary Beth Chrissis, Mike Konrad, and Sandy Shrum. A copy of this critical reference can be provided at our cost for those who do not already have one of their own.

A multi-colored pack of highlighters will be useful for marking the model during the workshop, but is not required.

Integrated Process Solutions, Inc.'s CMMI<sup>®</sup> User Workshop is based on "CMMI<sup>®</sup> for Development, CMMI-DEV, V.1.2", CMU/SEI-2006-TR-008, ESC-TR-2006-008 © 2006 by Carnegie Mellon University; however, neither Carnegie Mellon University nor the Software Engineering Institute directly or indirectly endorse it.

This course is not a Software Engineering Institute course and does not qualify attendees for any Software Engineering Institute course credit.

## WHAT PARTICIPANTS HAVE SAID ABOUT THE WORKSHOP

### *From an Introduction to CMMI Instructor*

I've been using (unashamedly) some of the concepts we discussed during the class...it was the best learning experience I've had relative to CMMI! ...

This course opens doors to understanding the true concepts introduced by the model, and for use in implementation of those concepts in a process improvement endeavor! The workshop design requires participation in identifying key themes and threads within the model, and enables a person to share their new understanding of the model with others. The ability to leave the course with a set of objectives and an approach for implementation is invaluable. I highly recommend this course to all practitioners responsible for developing and implementing a process improvement environment within their organization.

### *From an Intro to CMMI Instructor/SCAMPI Lead Appraiser*

I have been telling everyone how great the class was and how much I think it would be a good fit for our ... offerings. It is a natural and consistent with the way we teach. There are also some logical ties to some of our engineering and project management training as well.

Summary thoughts:

- 1) The graphics and teaching slides were very good and should help convey the ideas much more easily than the SEI charts.
- 2) I am particularly fond of the GP to PA relationship, maturity level (equivalent staging) and the different threads such as the recursive and OPF/OPD/- etc. charts – they are wonderful and I have shown them to other instructors here who think the SEI should adopt them immediately!
- 3) The method you set for following threads and themes was the best part and really taught me more than the themes we traced – it taught me how to read for the information and that is what I would hope to convey to future students.
- 4) The OPF starting point connection to all of process improvement is a classic—it should be taught to everyone.
- 5) Being able to come back to the home organization and work through some of the themes developed in the class is most critical for that organization. It is a great selling point on getting students that do not necessarily want to go on to LA or instructor but really want to know how to help and launch change in their organization.

### *Comments from Various Participants*

This is the best training I have ever been on.

The workshop is excellent, an absolute must for anyone wanting to use the model.

Excellent coverage took me from a minimal understanding to an advanced, practical understanding.

The themes and threads are wonderful. You have done a wonderful job at setting this up. It appeals at many levels.

Understanding these aspects of the model is incredibly useful.

Extensive coverage and still within the boundaries of the CMMI.

Like the way we went down the levels to really understand the cross referencing and links.

Understanding the model relationships is truly an eye opener and clarifies so much with regards the models and ML's.

Very comfortable, pleasant environment.

### **ABOUT THE COURSE DEVELOPER/INSTRUCTOR**

Dr. Chuck Myers has been affiliated with the SEI since 1987. Eleven years of this association were as a full-time Senior Member of the Technical Staff. He has been a Visiting Scientist since ending his full-time SEI employment, and at the same time has offered CMMI®-related training and consulting through his privately-owned company, Integrated Process Solutions, Inc. (and its predecessor, CRM Consulting).

Dr. Myers currently teaches the following CMMI®-related training:

- Introduction to CMMI®
- Intermediate Concepts of CMMI®
- CMMI® Instructor Training
- Mastering Process Improvement
- Various CMMI® implementation courses of his own design

In addition to the above, Dr. Myers observes Introduction to CMMI® candidate instructors as the last step in their authorization process. He has over 200 officially-sanctioned SEI process improvement training experiences to his credit.

Dr. Myers holds a Ph.D. in instructional design and development. This course brings together his considerable technical CMMI knowledge and experience, his instructional design expertise, and his widely-recognized ability to explain complex concepts clearly and concisely.

**Please contact us for additional information: [IPS-Info@IntegratedProcessSolutions.com](mailto:IPS-Info@IntegratedProcessSolutions.com)  
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