



## Introduction to (CMMI) Capability Maturity Model® Integration – DEV, v1.2)

The purpose of Capability Maturity Model Integration (CMMI®) is to provide guidance for improving your organization's processes and ability to manage the development, acquisition, and maintenance of products and services. This Introduction to CMMI® course explains the model content and structure, as well as how to use it as a guide to improving organizational processes to meet business objectives. Understanding the proven practices and the structure of CMMI® helps your organization, establish priorities for improvement, guide the implementation of improvements and appraise organizational maturity or process capability.

This course is required training for SCAMPI appraisals and is delivered using Software Engineering Institute (SEI) licensed course materials. Our SEI authorized instructors have the depth of knowledge and experience so to relate the models your real world implementation. ISD, an SEI Partner, offers this training frequently in our training center or we can arrange private classes at your site.

As a course participant you will receive the foundational knowledge to enable you to

- Understand the importance and benefit of using and improving defined processes
- Comprehend the architecture and content of the CMMI® models (maturity levels, capability levels, process areas, generic and specific goals and practices)
- Understand fundamental approaches to applying CMMI® process improvement principles to meet organizational objectives

### **Course Content\***

\*The course is composed of lectures and class exercises with opportunity for participant questions and discussions.

- Overview of CMMI® components
- Model-based process improvement concepts
- Structure of the continuous and staged representations and process area relationships
- Process Areas of CMMI® models
- Institutionalization of Process Area practice implementation
- Application Next Steps

### **Course Duration**

- 3 days
- This class is presented in both public and client site forums

\*This class is a prerequisite for SCAMPI team members.

### **Course Work**

Reading homework is required for the first two days of the course.

### **Prerequisites**

This is an introductory course, and there are no prerequisites, some knowledge of systems or software engineering, quality management, and basic management principles is deemed helpful.

### **Material Provided**

- Chrissis, Mary Beth, et. al. *CMMI®: Guidelines for Process Integration and Product Improvement, Second Edition*, Boston, MA: Addison-Wesley, 2006.
- Presentation hard copy and exercise materials
- Reference materials

### **Who Will Benefit**

- Practitioners and managers in systems and software engineering, acquisition, and quality improvement
- Individuals designated as team members for a CMMI-based appraisal.
- Process group members who are responsible for leading process improvement programs

### **Client Site Logistics Requirements**

- LCD projector and screen
- Flip charts
- Classroom for up to 20 participants and 1 instructor

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