Integrated System Diagnostics

CMMI Institute Partner

Introduction to Capability Maturity Model® Integration for Development (CMMI-DEV) V1.3

Capability Maturity Model Integration (CMMI®) provides best practices for improving your organization's ability to manage the development, acquisition, and delivery of products and services. This 3-day course is focused on the Development constellation. It 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 CMMI® practices helps your organization establish priorities for improvement, guide the implementation of improvements, and appraise your organizational maturity or process capability.

This course is a prerequisite for being a lead appraiser, team leader, or team member on a SCAMPI appraisal using the CMMI-DEV model. The course is delivered using CMMI Institute licensed course materials. Our CMMI Institute certified instructors have the depth of knowledge and experience to relate the models to your real world implementation. ISD, an authorized CMMI Institute Partner, offers this training frequently in public forums 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 how CMMI-DEV helps an organization improve their performance by applying CMMI-DEV process improvement principles to meet business objectives.

Course Content
Includes lectures, class exercises, and opportunity for participant questions and discussions.
- Overview of CMMI® components
- Model-based process improvement concepts
- Benefits of CMMI implementation
- Comparison with other models
- Structure of the model
- Process Areas and practices of the model
- Institutionalization practices
- Process area relationships

Course Duration
- 3 days
- Presented in both public and client site forums

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 helpful.

Material Provided
- *CMMI®: Guidelines for Process Integration and Product Improvement, Second Edition.*
- Presentation hard copy and exercise materials

Who Will Benefit
- Practitioners and managers in systems and software engineering, development, and quality improvement
- Individuals designated for a CMMI-DEV appraisal.
- Process group members who are responsible for leading process improvement programs

Client Site Logistics Requirements
- LCD projector and screen and Flip charts
- Classroom for 20 participants and 1 instructor

®CMMI, Capability Maturity Model, CMM, and Carnegie Mellon are registered in the U.S. Patent & Trademark Office by Carnegie Mellon University.