European Software Institute

ESI

Introduction to the Capability Maturity Model®

Pre-requisite to the CBA IPI Lead Assessor Training

Fully accredited by CMU-SEI

Course Description

The SEI Capability Maturity Model®[1] (CMM®) for software describes a framework that organisations can use to determine their ability to develop and maintain software; it is a model for organisational improvement. The "Introduction to the Capability Maturity Model" course presents an overview of CMM and is a pre-requisite to completing the "CBA IPI Lead Assessor Training". The CMM can also be applied by acquisition or purchasing organisations to select

qualified software vendors via contractor evaluations. The underlying principles of the CMM stand behind all current approaches to software development process assessment and improvement, including ISO 9000 and SPICE (ISO/IEC 15504).

The "Introduction to the Capability

Maturity Model" course presents an

overview of the CMM's five-level maturity

scale and explains all of its Key Process Areas.

The course is also a pre-requisite to

completing the "CBA IPI Lead

Assessor Training".

This 3-day course presents an overview of the CMM's five-level maturity scale and explains all of its Key Process Areas. The course is based on versions 1.1 of the CMM released in February 1993.

Presenter

The presenter will be an ESI staff member and authorized trainer, approved by SEI, Carnegie Mellon University, Pittsburgh, USA.

Who Should Attend this Course?

- Software executives and managers
- Software developers
- Current and potential assessors

Prerequisites

Participants must have knowledge of both software engineering and management including exposure to software quality assurance (SQA), software configuration management

(SCM), and basic management principles.
This course is a prerequisite for the SEI CMM-based appraisals (CBA IPI) training.

[1] CMM and the Capability Maturity Model are registered trademarks of USA.

Benefits of the Course

- You will learn the principles of CMM for process improvement.

- You will learn the basics of the process-improvement procedures whose design underlies all current international software process improvement efforts.

- You will learn the basics that underpin all current assessment procedures (including ISO 9000, SPICE (ISO/IEC 15504) and the CMM).

Course Fee

 198000 HUF. This fee covers all course materials, handouts, course certificates and lunch/coffee each day. The fee does not cover accommodation. VAT is not included.

Agenda

Day 1 & 2 - 09.00 - 17.30
Day 3   - 09.00 - 15.30

Topics covered

- Software Process Maturity - CMM principles

- CMM Overview

- Value of the CMM- case studies from companies

- Each of the CMM maturity models and key process areas

- Common themes in the CMM

- Interpreting the CMM

Information and Registration

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About ESI

The European Software Institute (ESI) is one of the world's leading independent authorities on software process improvement.

We help businesses design, implement and measure improvement programmes that achieve real commercial goals such as reduced costs and increased product quality.

Established in 1993 and with its headquarters in Spain, ESI is a non-profit organisation supported by the European Commission, the Basque Government and through company membership.

About HUSEI

Mission of the Hungarian Software Engineering Institute (HUSEI)

- Identify and monitor trends in industry needs for technical, methodological, and managerial knowledge and skills in software engineering and software process improvement.

- Raise awareness of the trends within the Hungarian software engineering community.

- Create and maintain an adaptive environment for the effective transfer of knowledge and skills to improve the software engineering capabilities of industry and academia in Hungary .

- Stimulate and satisfy demands for software process assessment and consulting services.

Services delivered by HUSEI:

- Training courses and tutorials
organised by HUSEI on topics selected as a result of the industry needs identification process. The most appropriate internal or external trainers are selected according to criteria which include openness to the active recognition of evolving needs and changing technology.

- Software process assessment
using the methodology most appropriate for or required by the customer.
- Software product assessment
using the Microscope software product evaluation methodology based on the ISO 9126 standard.
- Process improvement consulting
including software process improvement based on foregoing assessment and the establishment and introduction of quality systems.

HUSEI will support its trainers as well as a core of potential assessors and consultants in the continuous acquisition of knowledge related to the technologies and methodologies selected as a result of the industry needs identification process.

The references of the staff of HUSEI include the founding presidency of the Software Quality Management Division of the John von Neumann Computer Society, editorial board membership in the international journal *Software Process Improvement and Practice* published by John Wiley & Sons, co-authoring of Hungarian and English language books in this subject, ISO 9000 lead auditorship, Bootstrap assessorship, and the introduction and maintenance of the certified ISO 9001 quality system of MTA SZTAKI.

MTA SZTAKI is the host institution of HUSEI.

About MTA SZTAKI - Partner of the ESI@net commercial network

MTA SZTAKI, as the Computer and Automation Institute of the Hungarian Academy of Sciences, has a good reputation in Hungary and in the World as a center of excellence in information technology research, development, systems integration, consulting, and education. MTA SZTAKI has active working relations with international software engineering organizations and played a pioneering role in projects of the European Systems and Software Initiative (ESSI) of the European Union.

One of the strategic policies of MTA SZTAKI is to insist on concluding non-exclusive contracts which preserve its professional independence necessary for remaining a national center of impartial expertise.

MTA SZTAKI is the site of several external departments of Hungarian universities. HUSEI is associated with the Information Science Department of the Loránd Eötvös University of Budapest managed by MTA SZTAKI.