

SPICE (ISO/IEC 15504) Overview

ESI Training Services:
Awareness Tutorials

SPICE ISO/IEC 15504, the standard for process assessment (PA), defines the requirements to be fulfilled for assessment processes, process reference models (PRM) and process assessment models (PAM).

Different assessment models are applied to organisations depending on the nature of the processes and the organisation sector. SPICE defines a common basis for assessment of processes, across different industries and across organisations of different application domains: SPICE models are not based on particular organisational structures, management philosophies, life cycle models, technologies or development methods. They provide a basis for comparison between processes in different organisations and may be applicable at both project and organisational level. Flexibility is the word that best describes the characteristic of SPICE models to implement a Process Improvement (SPI) programme.

SPICE ISO/IEC 15505 (part 5) provides software development organisations with an exemplar process assessment model that allow them to define their processes baselines for process improvement and determine their processes capability.

SPICE Overview is a 5 hours seminar that gives a high level view of the SPICE (ISO/IEC 15504) standard so that senior level managers have sufficient grounding in SPICE and understand what is involved in a SPICE-BASED Software Process Improvement programme, gaining an understanding of the business rationale sustaining the improvement of IT processes.

The seminar addresses such issues as how an organisation benefits from a PI Initiative, know different SPICE models (SPICE for software development, SPICE for system engineering, Automotive SPICE, SPICE for SPACE, SPICE for Medical Industry) and which one suits them better, and appreciate the time and effort needed to improve their software process according to the SPICE standard (ISO/IEC 15504-5).

Who Should Attend this Course?

You should attend this course if you wish to:

- Gain insights on the ISO/IEC 15504 standard parts and how they can be applied in your organization
- Acquire knowledge on basic process management concepts
- Learn about SPICE for software development (part 5 of ISO 15501)
- Know how to use SPICE for software development to improve your processes and determine their capability.

Information
& Registration

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Benefits of the Course

- You will learn about the different uses of the ISO/IEC 15504 standard.
- You will be able to decide the most appropriate SPICE model for your organization.
- You will learn about SPICE for software development (ISO/IEC 15504-5) and the ways you can use ISO/IEC 15504-5 to benefit your organisation, either as a basis for improving internal software process management or for determination of suppliers' software process capability.

Presenters

ESI has a team of qualified SPICE instructors and assessors that have carried out in-house process assessments in international software companies of different sectors (e.g. bank, automotive, services, security, insurance) and sizes (from SMEs to very large).

ESI has trained in SPICE to over 400 IT professionals and its experience also covers a complete support approach to adopting, designing and implementing process improvement plans and technical support services.

Furthermore, ESI keeps on playing a leading role in the development of ISO/IEC 15504 standard, acting as International Trials Co-ordinator for Data Management in 25 countries.

Agenda

09.00 - 14:00

Course Materials

Each participant will receive a copy of the slides presented in the seminar.

Details will be provided on where to obtain the standard in your region.

Key Topics

- Impetus for process improvement
- Process management concepts
- Overview of SPICE
- Overview of SPICE process assessment model for the software industry
- Usage of SPICE for Process Improvement and Process Capability Determination
- Where is SPICE being used?