

Title of Paper

Everything SPICE? - the use of ISO 15504 for different enterprises and industries

Presenter

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Instructional Level

Introductory Intermediate Advanced

Target Group

Participants on operational and management level that have to use a standard assessment model for different domains, or are basically interested in the applicability of SPICE for different enterprises and domains

Keywords

- SPICE in different domains
 - SPICE for banking, medical technology, automotive and others
 - Enterprise SPICE
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Abstract

The world of software quality is driven by two models, CMMI and SPICE (ISO15504). Whilst CMMI has its focus limited to the world of IT, SPICE covers more and more domains. There is a MediSPICE for medical technology, the automotive industry uses the very successful Automotive SPICE, the banking sector has its own BankingSPICE and since late 2007 a special training for Internal Financial Control Assessors based on ISO 15504 and COSO is available.

In parallel the Enterprise SPICE project was started which aims for covering all significant divisions of a company within one Process Reference and Assessment Model. Additionally another new SPICE standard will close the existing gap to the CMMI. In future, SPICE will not only be able to evaluate process capability but organisational maturity – which by now was only possible by using CMMI.

In this presentation we will discuss and align the different SPICE based models. New models will be evaluated concerning impact on and relevance for IT and other organisations.

Participants get basic knowledge of all different SPICE approaches and learn how to adopt SPICE to the different divisions of their company. Additional requirements for different sectors (banking and finance, medical technology, automotive,...) are explained and made applicable to participants companies.

Biography

Dirk Malzahn studied mathematics, electrical engineering and information science at Ruhr-University in Bochum. From 1991 to 2001 he worked for the electrical steel branch of ThyssenKrupp in both

technical and managerial positions. Since 2001 Dirk provides quality and process management consulting for enterprises of different size and industries. He is head of the QM and R&D divisions of the OrgaTech group and COO of the software subsidiary ACCEL GmbH.

Dirk teaches Software Quality Management at Dortmund University of Applied Science and Technical Academy of Esslingen. He has published several books and articles on Software Quality Management in Germany, Australia and the United States and presented at the relevant conferences in Europe and Asia (SQC Dusseldorf, ESEPG Amsterdam, SPICE 2007 Seoul, SEPG China Suzhou,..)

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