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International Assessor Certification Scheme

Version Control

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Revision History

Date	Version	Who	Changes made
2024-10-02	0.1	A. Fehérvári	Initial version, ready for review
2025-02-15	0.1	A. Fehérvári	Released
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Hardware Engineering Processes for Automotive SPICE® 4.0 and intacs® Hardware SPICE PRM/PAM 3.0 Training

Objective

The introductory training demonstrates how to use Automotive SPICE® for process improvement in hardware engineering as intacs® extension.

This training to become an intacs®-certified Hardware SPICE® Assessor provides participants with a concise overview of Hardware SPICE®, which can be integrated into Automotive SPICE® using the Hardware Development extension. This model makes it possible to develop automotive electronic hardware systematically.

Aimed at Automotive SPICE® assessors and experts, this training explains the main concepts underlying the Automotive SPICE® standard and the details of each process using examples and exercises.

Participants gain first-hand knowledge from experts who were directly involved in setting up the Hardware Development extension for Automotive SPICE®. A working group of the intacs® assessor cooperative developed the extension.

Content

- Introduction to Hardware Engineering Processes for Automotive SPICE® 4.0 and intacs® Hardware SPICE PRM/PAM 3.0
- Placement of hardware engineering processes PAM 4.0
- Details of the Hardware Engineering Processes HWE.1-4 including VDA Guidelines content
- System, management and supporting processes in the context of hardware engineering
- Practicing to perform an assessment based on the Hardware SPICE® PRM/PAM

Target Audience

- People who plan to perform assessments including the hardware engineering processes of Automotive SPICE® PAM 4.0
- People who plan to perform assessments individually using the intacs® Hardware SPICE PAM/PRM

Duration

- 2 days

Preconditions

- Participants should have several years of professional experience in the automotive industry (e.g. software/system development, project management, quality management, etc.)

- Participants should have visited the training “*intacs® certified Process Expert Automotive SPICE®*” or be at least “*intacs® certified Provisional Assessor*”

Constraints

- Maximum of 12 participants per training

Exam

- Participants who pass the exam will receive a certification of competence. Participants who have base PAM certification (Process Expert, Provisional Assessor, Competent Assessor, Principal Assessor) can get an updated assessor card with an HWE mark.
- For online training, all materials are offered digitally. For in-person training, all materials are offered digitally.
- Participants will also receive Automotive SPICE® Goes Mechatronics, a pocket guide containing the processes recommended for the development of mechatronic systems. The booklet includes purposes, outcomes and generic practices.