VDA QMC
AUTOMOTIVE SYS®
CHINA

VDA QMC
德国汽车工业协会
质量管理中心中国分公司
CHINA

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ASPICE Training & Qualificatio

VDA QMC China cooperates with Method Park by UL & Umovcom for the trainings.

Before 1 Oct 2024

intacs™ certified Provisional Assessor
↓ Passed exam
finish the qualification registration (with payment)
↓ Get certified number
Upgrade Training(1 day) **NEW**
↓
PA (PAM 4.0)

NEW NEW Training 2024

From 1 Oct 2024 onwards

intacs™ certified Process Expert(4days) **NEW**
↓ Passed exam
finish the qualification registration (with payment)
↓ Get certified number
intacs™ certified Provisional Assessor(4days) **NEW**
↓ Passed exam
finish the qualification registration (with payment)
↓ Get certified number
PA (PAM 4.0)

or

intacs™ certified Process Expert+intacs™ certified Provisional Assessor(7days) **NEW**
↓ Passed exam
finish the qualification registration (with payment)
↓ Get certified number
PA (PAM 4.0)

Automotive SPICE® Upgrade Training (1 day) still exist after Oct. 1st, 2024. The Certified Assessors with version 3.1 can be updated to version 4.0 after finished the upgrade training.

Training Price

- ID 840 Upgrade Training — 4,000 RMB/Person
- ID 821 Process Expert — 18,000 RMB/Person
- ID 910 Provisional Assessor — 20,000 RMB/Person
- ID 911 Competent Assessor — 22,000 RMB/Person
- ID 820 SPICE® for Cybersecurity 15,000 RMB/Person

Certification Fee for ID 821, 910, 911& 820 NOT included.

For more information please contact:
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VDA QMC China

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Web.: www.vdachina.com.cn

Please follow us on WeChat

Version: Sep. 2024

Automotive SPICE® (ASPICE) (Version 4.0)

English version

DRIVE WITH US INTO YOUR FUTURE!

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Automotive SPICE®

(**S**ystems **P**rocess **I**mprovement and **C**apability d**E**termination)
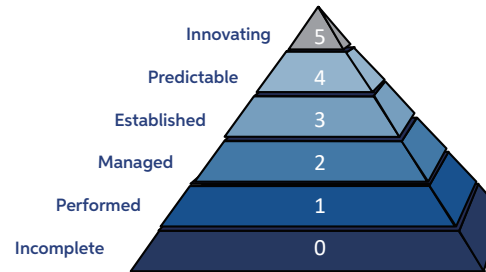
Why is ASPICE important?

ASPICE is the most important Software(SW) Quality Standard for Automotive Industry. German OEMs require ASPICE from their Suppliers worldwide, also for local suppliers in China. While American & Japanese OEMs also starting to request their suppliers to implement ASPICE for SW development. And with digitalization in the automotive industry (e.g. ICV, NEV, autonomous driving...), SW become very important and is the key for future technology. That is why VDA has launched this SW Standard in 2005, with several times of revision, we launched ver. 4.0 in Nov. 2023.

- Quality Management for SW development is required by authorities, by automotive Standards (VDA 6.3, IATF 16949) and by OEMs.
- Improve SW Quality for each project
- Reduce SW Quality cost
- Assure continuous improvement of SW Requirements
- Reduce risk to develop complex SW systems
- Support on Ensurement of successful launch of SW Project (SW verification /Integration /Qualification test, System verification /Integration /Qualification test)
- Support the implementation of others SW Quality Requirement, Standards and methods (e.g. ISO 26262)
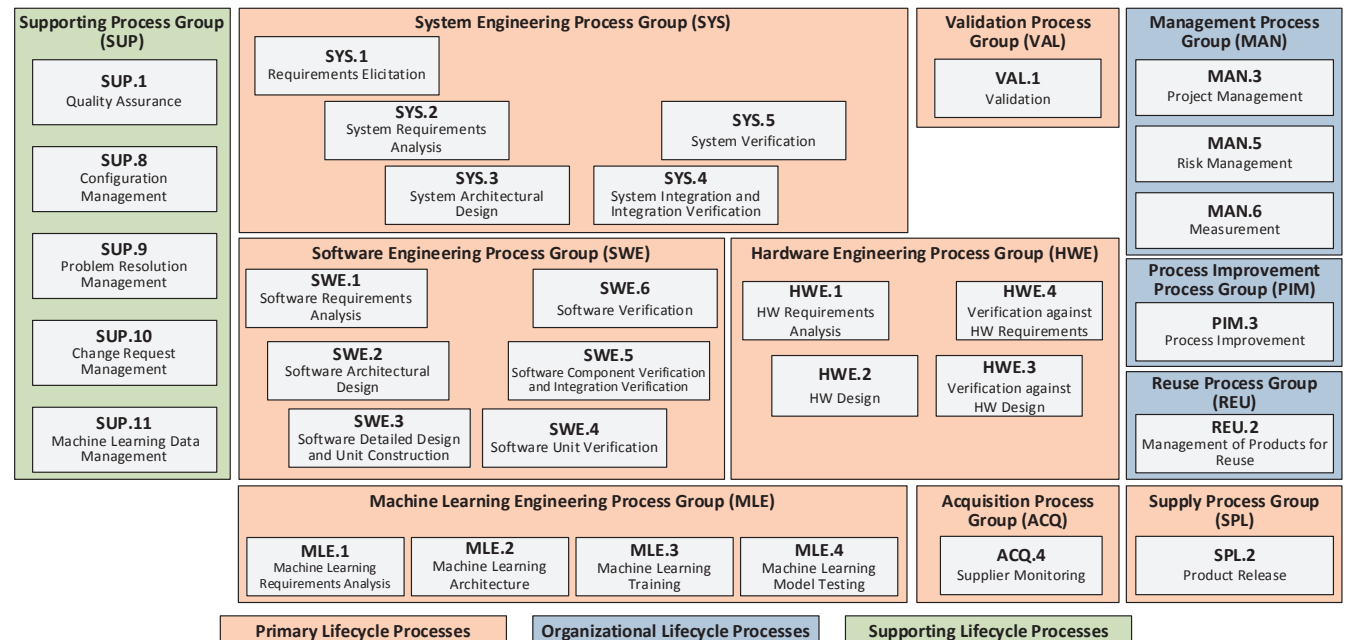
About ASPICE Standard

VDA provides the ASPICE Standard and the Guidelines. ASPICE use a process assessment model for process capability determination, this model is based on a 2-dimensional framework:

- **Capability level:** in ASPICE assessment, this will show how good the project and its process is.

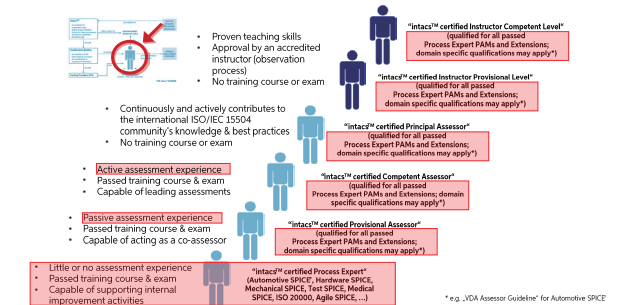|	Level
Innovating	5
Predictable	4
Established	3
Managed	2
Performed	1
Incomplete	0

- **Processes & Process groups:** these are the areas, where the assessment is looking into, and only to be evaluated by ASPICE Assessor based on below process Model:

ASPICE Qualification Level

Who can conduct the ASPICE assessment, and who are most qualified to lead the process improvement?

- Proven teaching skills
- Approval by an accredited instructor (observation process)
- No training course or exam

"intacs™ certified Instructor Competent Level"
(qualified for all passed Process Expert PAMs and Extensions; domain specific qualifications may apply*)

"intacs™ certified Instructor Provisional Level"
(qualified for all passed Process Expert PAMs and Extensions; domain specific qualifications may apply*)

- Continuously and actively contributes to the international ISO/IEC 15504 community's knowledge & best practices
- No training course or exam

"intacs™ certified Principal Assessor"
(qualified for all passed Process Expert PAMs and Extensions; domain specific qualifications may apply*)

- Active assessment experience
- Passed training course & exam
- Capable of leading assessments

"intacs™ certified Competent Assessor"
(qualified for all passed Process Expert PAMs and Extensions; domain specific qualifications may apply*)

- Passive assessment experience
- Passed training course & exam
- Capable of acting as a co-assessor

"intacs™ certified Provisional Assessor"
(qualified for all passed Process Expert PAMs and Extensions; domain specific qualifications may apply*)

- Little or no assessment experience
- Passed training course & exam
- Capable of supporting internal improvement activities

"intacs™ certified Process Expert"
(Automotive SPICE®, Hardware SPICE, Mechanical SPICE, Test SPICE, Medical SPICE, ISO 20000, Agile SPICE, ...)

* e.g. „VDA Assessor Guideline" for Automotive SPICE

Process Model

Supporting Process Group (SUP)
- **SUP.1** Quality Assurance
- **SUP.8** Configuration Management
- **SUP.9** Problem Resolution Management
- **SUP.10** Change Request Management
- **SUP.11** Machine Learning Data Management

System Engineering Process Group (SYS)
- **SYS.1** Requirements Elicitation
- **SYS.2** System Requirements Analysis
- **SYS.3** System Architectural Design
- **SYS.4** System Integration and Integration Verification
- **SYS.5** System Verification

Validation Process Group (VAL)
- **VAL.1** Validation

Management Process Group (MAN)
- **MAN.3** Project Management
- **MAN.5** Risk Management
- **MAN.6** Measurement

Software Engineering Process Group (SWE)
- **SWE.1** Software Requirements Analysis
- **SWE.2** Software Architectural Design
- **SWE.3** Software Detailed Design and Unit Construction
- **SWE.4** Software Unit Verification
- **SWE.5** Software Component Verification and Integration Verification
- **SWE.6** Software Verification

Hardware Engineering Process Group (HWE)
- **HWE.1** HW Requirements Analysis
- **HWE.2** HW Design
- **HWE.3** Verification against HW Design
- **HWE.4** Verification against HW Requirements

Process Improvement Process Group (PIM)
- **PIM.3** Process Improvement

Reuse Process Group (REU)
- **REU.2** Management of Products for Reuse

Machine Learning Engineering Process Group (MLE)
- **MLE.1** Machine Learning Requirements Analysis
- **MLE.2** Machine Learning Architecture
- **MLE.3** Machine Learning Training
- **MLE.4** Machine Learning Model Testing

Acquisition Process Group (ACQ)
- **ACQ.4** Supplier Monitoring

Supply Process Group (SPL)
- **SPL.2** Product Release

Primary Lifecycle Processes | **Organizational Lifecycle Processes** | **Supporting Lifecycle Processes**

ASPICE defines in this criteria and 2 dimensions the overview of SW Project, to determinate the capability of SW developing process & process improvement.