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International Assessor Certification Scheme™

Gate4SPICE

St Aubin @ UL International

9/10/2025

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Christophe Debou (Regional Representative France + French speaking part of Belgium and Switzerland)

Christophe Debou is a principal consultant and Automotive SPICE Principal assessor at Kugler Maag Cie by UL Solutions.

Christophe has more than 32 years of experience around system and software engineering, quality assurance and process improvement, mainly gathered in the telecommunication and automotive industries.

First acquaintance with process maturity models started already in the early 90's with CMM, then CMMI and Automotive SPICE.

Christophe has published numerous articles around process improvement and also held speeches at international conferences and forums.

Consulting, training and assessment experience were gathered in various cultural and geographical environment, western, central and eastern Europe, North America and East Asia (South Korea).

Beyond Consulting, Christophe was in the 2000's Vice President of leading software house in Poland, responsible for the telecommunication business unit.

Christophe has lived in 5 different European countries and speaks French, English, German, Polish and a little bit of Korean.



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Agenda

Start	End	Topic	Owner
9:00	9:30	Registration	
9:30	9:40	Welcome and Introduction	Christophe Debou
09:40	10:20	Automotive SPICE Potential Analysis – Introduction and first experience report	Christophe Debou, (Kugler Maag Cie GmbH by UL Solutions)
10:25	10h45	Coffee Break	
10:40	11:20	ASPICE 4.0 - 18 Months later	Sébastien Gebus (Valeo)
11h20	12h00	Optimization of quality assurance and ASPICE evaluation activities - Valeo BRAIN	Francois-Xavier DE-LAUNET (Valeo BRAIN)
12:00	13:15	Lunch Break	
13:15	13:30	Introduction and selection of workshop topics	Christophe Debou (Kugler Maag Cie GmbH by UL Solutions)
13:30	15:15	Working groups	
15:15	15:30	Coffee Break	
15:30	16:15	Presentation of workshop results and group discussion Identification of topics for next G4S	Working Group Leaders
16:15	16:30	Closing & Feedback	
16:30		End	

Workshop - Organisation

- Un modérateur est alloué à chaque groupe de travail
- Nommer un porte-parole du groupe pour la présentation en Plenum
- Documentation des résultats sur le Flip Chart / PPT
 - Status Quo – Description du point de départ / Problématique
 - Solutions – Alternatives
 - Conclusions
 - Actions
- Préparer une présentation de 10 a 15 minutes maximum

Workshop 1 (ASPICE 4.0) - Which Strategy for the Strategy GPs? Where is the SW integration in ASPICE 4.0?

Results are to be found in the Valeo presentation from Sebastien Gebus
G4S_Valeo_Feedback in applying Automotive SPICE 4.0.pdf

Workshop 2 – POA (Potential Analysis)

1. Deep Dive into POA document
 1. Discuss the scope and further use cases of POA with Pros and Cons.
 2. Deep dive into process and guidelines
 3. Clarification of Topics
 4. Overall Pros and Cons, limitations of POA

Workshop 2 – Answers to Open Points from Audience

- Assessment results from a similar project was accepted instead POA in one example provide.
- “competent” assessor at least to lead the POA (If not certified), provisional assessor has to be POA certified
- If OEM does not mandate an assessment or POA results, propose POA
- Mixed evidences i.e. different projects e.g. OEM, Platform, ... is a possibility
- Has to be commercially completed project
- Provisional assessor with POA Certified
- For competent assessor certification one EE only can be One AT-AL = 2 POA (One POA is around 25 hours in total)
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POPM

- No scope, SOW, no resources (although a major topic), no life cycle
- Strangely missing the adjustment part (up to monitoring only)
 - Maybe it is covered by risk BP or Review progress BP?
- In general too much implicit topics which makes the interpretation difficult eventually
- Look there is more interpretation necessary than standard ASPICE 4.0.
- Rules seem obvious and easy to apply
- Does not really allow to verify the effectiveness of project management, corrective actions performed effectively, ... This is the project management cycle (Estimation, planning, monitoring and control). Control is missing.

Support Processes - 1

RTCM

- Basics for CM is covered i.e. CI, Baseline, control changes.
- BP4 covers the full SPL.2
 - Not easy to rate with such a content, only one rating rule which is obvious

PQAS

- Process only
- Provided rationale why no work products provided is not understandable
- May be indirectly there covered by „analysis“ in the system and software processes
- Nevertheless scope for process QA is complete, even the effectiveness of corrective actions are checked as a rule (but not in POPM!!)
- Just Communicate is absent.

Support Processes - 2

TEPR

- Basics are there, rather sufficient and nothing critical missing.
- Unclear if technical problems covers also review results (possibly not since reviews are not really addressed)

TRCM

- Quite exhaustive
- Just no Approval

Software Engineering

SWDI

- Very condensed BPs
- Generally covers all necessary topics except vertical traceability (explanation not satisfactory, would not have been an issue to check it)
- 1 BP = 1 ASPICE 4.0 process
- How to rate?
 - Rules straightforward, useful but not sufficient due to the complexity of each BP.

SWIV

- One BP per process, very condensed
- Quite exhaustive except communication and selection of TCs
- Rules are from ASPICE 4.0 and not providing much hints how to rate such condensed BPs

System Engineering SyRD / SYIV

- Same remarks as for SW
- Condensed BPs, not much rules to support interpretation and rating

Conclusion

- Can only be performed by an experienced assessor to focus on the critical topics.
- Cover the basics well for most of the processes except FUSA, V&V strategy (product risk management), key topics of project management
 - POPM (MAN.3) is normally one of the most critical processes but limited in scope i.e. effectiveness of project management / Adjustment not covered.
- Generalization of the results of POA for the customer as capability of the organization doubtful
- Some rationales are completely not understandable!!
 - Explanation are not traceable to an acceptable reason
 - „Arbitrarily“ choice of removing certain topics just to save time.
- A lot of interpretation necessary e.g. what is being „analyzed“ which makes rating difficult
- Explanation for no vertical traceability is contradicting itself. Implicit in analysis activity described in BP.

Workshop 3: How to improve training to get it efficient, pragmatic and to enforce APSICE 4.0

☐ Which resources should be trained:

- ☐ R&D team incl. MD or HW,
- ☐ Quality assurance including clarification of role,
- ☐ Local management and or Local tool key user,
- ☐ Executive,
- ☐ Sales,
- ☐ Product quality (outside SYS/ SW scope)

☐ Level of depth: awareness 2h, deeper understanding 3h, process expert, provisional assessor or even competent...

☐ Scheduling of trainings in advance to book agenda

☐ Moving from v3.1 to 4.0, how much time, restart from the beginning?

☐ Which key message to promote (Promote added value of the activities in link with BP expectations, what it brings to people in their daily life)?

☐ Internal / Third-party training ?

☐ Local culture tailoring (language, HCC/BCC...)

☐ Combination of training / coaching ?

☐ If coaching ? By whom ? Local relays ? Associated workload ?

☐ How to identify where to coach ? More focused internal assessments to understand pain points

☐ Sponsoring

☐ Need to link BG toolchain (like DNG or template) to BP or not?

☐ PDF sent before or after the training?

☐ Max number of participant

☐ Teams allowed (incl. camera ON) or only classroom or mix, split by content?

☐ How to assess the things are understood (examples review during training, final quiz need and size...)?

☐ Training improvement (from trainees' feedback, or other reason TBD), which frequency?

Workshop 3 – Results

- ☐ Which resources should be trained (group color legend is reused everywhere):
 - ☐ R&D team incl. MD or HW, resource manager, supplier quality for SW (in general daily impacted by ASPICE BP & II)
 - ☐ awareness 3h, VAL.1 introduction, news introduction, HWE not mandatory
 - ☐ Executive, Sales, Purchasing, Product quality (outside SYS/ SW scope)
 - ☐ basic introduction 30min on few (4-5) slide, Presentation of positive effects (no additional workload), impact on training, penalty, OEMs needs, implication involvement and impact, VDA scope + options definition per OEM
 - ☐ Process expert, provisional/competent assessor not concerned
- ☐ Scheduling of trainings in advance to book agenda done by resource manager (priority + to enforce it), on specific slot for executive
- ☐ Internal (with relation to central BG toolchain (like DNG or template)) / Third-party as an opportunity training ?

Workshop 3 – Results

- ☐ Local culture tailoring (language (English, Chinese, Japanese), HCC/BCC...) ☐ at least native speaker + usage of local trainer to enforce training
- ☐ Combination of training / coaching ?
 - ☐ Support/coaching for engineering processes is performed by process owners which also raise ticket for improvement
- ☐ Sponsoring by Resource Manager + 4.0 strategy / roadmap defined at executive level
- ☐ PDF sent before or after the training? At training start at least + available for all even not trained
- ☐ Max number of participant: 10 and min 5, max 12 (classroom) and 25 (Teams)
- ☐ Teams allowed (incl. camera ON) or only classroom or mix, as MD and HW is not mandatory online training could be an opportunity (No Q&A possible, efficiency might decrease), split by content to reduce duration/focus on specific topic.
- ☐ How to assess the things are understood (examples review during training, final quiz need and size...)?
Only for awareness (3h) just before the end
- ☐ Training improvement (from trainees' feedback, or other reason TBD), which frequency? No defined frequency: depending on trainees'/audience feedback, ASPICE standard change

Discussion – Next Events

- ☐ Gate4SPICE:

- ☐ Q1 2026

- ☐ Who wants to host it? Cap Gemini

- ☐ Subjects

- AI and ASPICE / SUP.1 : use of IA in each engineering phase

- ☐ Does IA support quality

- ☐ Tool vendor? Jama, ...

- Renaultt “DQESE” = “POA”

- ☐ Remote Workshops (date to be agreed)

- ☐ SWE.2 (Resource objectives)

- ☐ Granularity of planning

- ☐ .

List of Potential Subjects for Remote Workshops

Sujet	Vote	Priority
Continuation of workshop – Safety / ASPICE integration (Assessment, Audits) –> eventually input from Intacs WG. Comparison table ASPICE ISO 26262. Example of combined ASPICE Assessment FUSA Audits.	X	Q2 2024 or Q3 2024
OTA/CS – ASPICE , maintenance (covered by CS requirements not by ASPICE). Impact pour équipementier Descryptage échange avec constructeur -> processus différent	X	Q4 2024 or later
Reuse (Platform, Legacy) and A-SPICE assessments –> Continue the workshop from G4S	X	Q2 or Q3
Process standardization when merging several organizations –> CLOSED		
Agile and Automotive SPICE –> G4S		
Impact 4.0 ; Wait for experience return – ROADMAP from OEM	X	Late 2024, 2025
Role of Quality in project i.e. 1) Audit, explanation of NCs to the team 2) coaching. Define the boarder, resp split. Presentation of example organization, SUP.1, PIM.3 expectations	X	Q2 2024 or Q3 2024
Definition of process instances, criteria, Versus ACQ.4. Pros and Cons of ACQ.4 / Instance	X	Q3 /Q4 2024
Machine Learning, introduction to concepts, possibly first return on experience	X	2025
IA and Automotive SPICE (Generation de TCs, ...) respectively AI-based products (see previous topic)		
Measurement and Analysis MAN.6		
Agility and sys.1 (OEM Demand) / agility and Requirements management		
Management of escalation: means, criteria, ... (QA, PM, ...), prioritization of findings		

Gate4SPICE, 9th of October 2025 @UL International France



Gate4Spice 10th of October 2025

- Speakers from Valeo and UL Solutions
- 20 participants from France and Belgium
- 3 presentations around POA, 18th months of ASPICE 4.0, QA process Quality approach.
- Three workshops
 - Deep dive in POA
 - Strategy for strategy in ASPICE 4.0
 - Competence Development for Automotive SPICE