KM Mock Exam v1.1
Intacs Certified Provisional Assessor (Automotive SPICE®)

To pass this exam, answer in total 46 out of 60 questions correctly.
There are 40 questions in Part I and 20 questions in Part II which refers to a given scenario.

Part I: 8 Blocks of 5 Questions

1 Which process contains the following base practice: „Exchange all agreed information"?

	True	False
1. MAN.3	☐	☐
2. SUP.10	☐	☐
3. ACQ.4	☐	☐
4. REU.2	☐	☐
5. SPL.2	☐	☐

2 Which statements are correct?

	True	False
1. Assessment results (findings, ratings) need to be traceable to the facts that support these.	☐	☐
2. Facts are only represented by either work products itself or by the related review protocols.	☐	☐
3. Work products can be diagrams, text files or tools we got to see.	☐	☐
4. The purpose of work product reviews before the assessment interviews is not to find weaknesses, strengths, and risks of processes.	☐	☐
5. The purpose of work products reviews is providing a foundation for documenting strength and weaknesses in the assessment record and report	☐	☐

3   Which statements regarding interviews and note-taking are correct?

		True	False
1.	Maintain a friendly atmosphere.	☐	☐
2.	When it comes to weaknesses you must not doublecheck with the interviewees for misunderstandings or other effective solution.	☐	☐
3.	You must not explain the Automotive SPICE terminology which you use in the interview.	☐	☐
4.	The interviewee must explain the strategy of the process and the planning of the activities before he/she shares the reports.	☐	☐
5.	Don't use voice recording.	☐	☐

4   What is required to achieve Process Attribute PA 3.2?

		True	False
1.	Corrective action results are monitored and evaluated to determine their effectiveness.	☐	☐
2.	Issues arising from work product reviews are resolved.	☐	☐
3.	The standard process is adapted to the specific needs of the project.	☐	☐
4.	The process performance cycle of the business unit is defined.	☐	☐
5.	Suitable training is available for those deploying the defined process.	☐	☐

5   Which statements regarding the process outcomes of SUP.8 are correct?

		True	False
1.	Baseline are performed based on internal purpose or external deliveries. The information about baselines and their completeness is verified.	☐	☐
2.	The configuration management strategy is approved by quality assurance.	☐	☐
3.	The completeness and consistency of the baselines is ensured.	☐	☐
4.	The status of the configuration items and modifications is recorded but not reported.	☐	☐
5.	Change requests are identified and tracked.	☐	☐

6 Which statements regarding ratings are correct?

	True	False
1. The activities in the project shall meet the process purpose effectively and efficiently	☐	☐
2. Own knowledge and experience shall be used to evaluate what is expected	☐	☐
3. Well established and proven methods in the automotive industry shall be considered	☐	☐
4. Unusually but effective process solutions are okay	☐	☐
5. Consider what is intended to improve in the upcoming version of the defined standard process	☐	☐

7 Which statements regarding Generic Practices are correct?

	True	False
1. Defined skills must to be ensured for achieving capability level 1 in SWE.4	☐	☐
2. Tailoring guidelines should not refer to project size or technical complexity	☐	☐
3. If the process organization defines that the standard process for SUP.9 must not be tailored, GP3.2.1 can be rated "F"	☐	☐
4. GP2.1.6 can be better than GP2.1.2	☐	☐
5. GP2.2.3 can be better than GP2.2.1	☐	☐

8 Which statements regarding Generic Practices are correct?

	True	False
1. GP3.2.5 can be better than GP3.1.4	☐	☐
2. GP3.2.4 can be better than GP3.1.3	☐	☐
3. GP2.1.6 can be better than GP2.1.1	☐	☐
4. GP3.2.2 can be better than GP2.1.5	☐	☐
5. GP2.1.6 can be better than GP3.2.5	☐	☐

Part II: Assessment Scenario "LeoSoft AG"

You are performing an assessment according to Automotive SPICE®. You are assessing the process SWE.1. You have identified some small weaknesses, which are not critical for the delivery of next Friday. You have rated PA 1.1: "F". You need to evaluate capability level 2.

The development handbook contains a details description how to derive software requirements from system requirements and system architecture. It includes criteria for requirements and guidelines how to use the tools and how to analyze the requirements and the operating environment. The stepwise (feature-based) approval of a set of requirements must be performed by the test engineer after having specified the related test cases. Activities, input, output, their dependencies and responsibilities are defined. Required skills are defined and ensured with evidences for all involved team members by internal or external classroom training and additionally by mentoring. Work products are based on the recent templates, which contain the criteria for approval as well. The files must be stored in a specific folder in the configuration management tool.

The requirements shall meet the defined requirement patterns. Re-work of requirements shall not cost more than 5% of all effort for requirements specification. The software requirements engineers shall not spend more than 10% of all effort for reviewing the software qualification test cases. If there are requirements for the upcoming release not yet approved, at least some requirements shall be approved in each sprint. Resources are planed based on the well derived estimations. The resources are scheduled and monitored. However, there is an increasing delay of 3 weeks already, because one out of three software requirements engineers is in hospital in the last 2 months and the adjustments have not been effective so far. In addition, you notice that one engineer stores the recent versions of the files only on this apple computer, because of some synchronization issues with the configuration management server. Some investigation during the interview shows that some critical issues have been caused due to this behavior: one baseline contains wrong versions of files. Due to the limited resources the regular meetings "Software Requirement Progress" on Monday has been performed 5 times in 2 months. The meetings do not follow any standard agenda. Meeting minutes are not required, because decisions are derived in actions in the ticket system online.

9 How would you rate the Generic Practices of PA2.1?

	N	P	L	F
1. GP2.1.1	☐	☐	☐	☐
2. GP2.1.2	☐	☐	☐	☐
3. GP2.1.3	☐	☐	☐	☐
4. GP2.1.4	☐	☐	☐	☐
5. GP2.1.5	☐	☐	☐	☐
6. GP2.1.6	☐	☐	☐	☐
7. GP2.1.7	☐	☐	☐	☐

10 Which statements regarding the Generic Practices of PA2.1 are correct?

	True	False
1. Both mentioned resources objectives (5% rework and 10% review) are relevant for GP2.1.1	☐	☐
2. GP2.1.2 can not be better than "P", because the process definition of SWE.1 is mixed up with activities of SWE.6	☐	☐
3. GP2.1.3 must not be downrated due to the resource limitation	☐	☐
4. GP2.1.4 is better than "P" because adjustments have been initiated	☐	☐
5. GP2.1.7 is better than "P" because PA1.1 is rated "F"	☐	☐

11 How would you rate the Generic Practices of PA2.2?

	N	P	L	F
1. GP2.2.1	☐	☐	☐	☐
2. GP2.2.2	☐	☐	☐	☐
3. GP2.2.3	☐	☐	☐	☐
4. GP2.2.4	☐	☐	☐	☐

12 Which statements regarding the Generic Practices of PA2.2 are correct?

	True	False
1. GP2.2.1 can't be better than "P" because there is no checklist available	☐	☐
2. GP2.2.2 can't be better than "P" because one engineer stores the recent versions of some files on his local PC only	☐	☐
3. GP2.2.3 is better than "P" because more than 50% of the configuration items are up to date in the configuration management system	☐	☐
4. GP2.2.4 is better than "P" because the requirements are reviewed based on criteria	☐	☐

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Part III: Some extra

13 Which statements are correct?

	True	False
1. SYS.5 usually means testing the completely integrated system in a simulated environment.	☐	☐
2. If you deliver hardware as well, the software alone cannot be considered as a system.	☐	☐
3. The tests according to SWE.6 are not against non-functional software requirements	☐	☐
4. Whether, among others, the quality team has the required training is included in the evaluation of MAN.3 GP2.1.6	☐	☐
5. Telephone interviews have not serious disadvantages and should be performed to reduce travel effort	☐	☐

14 Which statements about the presentation of results and assessor certification are correct?

	True	False
1. It is recommendable to ask the CL3 questions in a longer session at the beginning of the on-site phase	☐	☐
2. The presentation of the results should take 30 to 60 minutes.	☐	☐
3. The assessment log should be signed by the sponsor directly before or after the presentation of the results.	☐	☐
4. The application template for assessor certification can be downloaded form from www.intacs.info.	☐	☐
5. To become a certified Automotive SPICE assessor, you need to apply at VDA QMC.	☐	☐

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Part I: 8 Blocks of 5 Questions

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„Exchange all agreed information"?**

		True	False
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2.	SUP.10	☐	☒
3.	ACQ.4	☒	☐
4.	REU.2	☐	☒
5.	SPL.2	☐	☒

2   Which statements are correct?

		True	False
1.	Assessment results (findings, ratings) need to be traceable to the facts that support these.	☒	☐
2.	Facts are only represented by either work products itself or by the related review protocols.	☐	☒
3.	Work products can be diagrams, text files or tools we got to see.	☒	☐
4.	The purpose of work product reviews before the assessment interviews is not to find weaknesses, strengths, and risks of processes.	☐	☒
5.	The purpose of work products reviews is providing a foundation for documenting strength and weaknesses in the assessment record and report	☒	☐

Kommentiert [CK1]: Affirmations as well

Kommentiert [CK2]: The purpose is to find weaknesses and process risks, but not faults/defects

3 Which statements regarding interviews and note-taking are correct?

		True	False	
1.	Maintain a friendly atmosphere.	☒	☐	
2.	When it comes to weaknesses you must not doublecheck with the interviewees for misunderstandings or other effective solution.	☐	☒	**Kommentiert [CK3]:** You should doublecheck
3.	You must not explain the Automotive SPICE terminology which you use in the interview.	☐	☒	
4.	The interviewee must explain the strategy of the process and the planning of the activities before he/she shares the reports.	☐	☒	**Kommentiert [CK4]:** You can start with the reports as well
5.	Don't use voice recording.	☒	☐	

4 What is required to achieve Process Attribute PA 3.2?

		True	False	
1.	Corrective action results are monitored and evaluated to determine their effectiveness.	☐	☒	**Kommentiert [CK5]:** Not relevant for PA3.2
2.	Issues arising from work product reviews are resolved.	☐	☒	**Kommentiert [CK6]:** Not relevant for PA3.2
3.	The standard process is adapted to the specific needs of the project.	☒	☐	
4.	The process performance cycle of the business unit is defined.	☐	☒	**Kommentiert [CK7]:** The project should understand the project specific process performance cycle
5.	Suitable training is available for those deploying the defined process.	☒	☐	

5 Which statements regarding the process outcomes of SUP.8 are correct?

		True	False	
1.	Baseline are performed based on internal purpose or external deliveries. The information about baselines and their completeness is verified.	☒	☐	
2.	The configuration management strategy is approved by quality assurance.	☐	☒	
3.	The completeness and consistency of the baselines is ensured.	☒	☐	
4.	The status of the configuration items and modifications is recorded but not reported.	☐	☒	**Kommentiert [CK8]:** Reported as well
5.	Change requests are identified and tracked.	☐	☒	**Kommentiert [CK9]:** Not relevant for SUP.8

6 Which statements regarding ratings are correct?

	True	False
1. The activities in the project shall meet the process purpose effectively and efficiently	☐	☒
2. Own knowledge and experience shall be used to evaluate what is expected	☒	☐
3. Well established and proven methods in the automotive industry shall be considered	☒	☐
4. Unusually but effective process solutions are okay	☒	☐
5. Consider what is intended to improve in the upcoming version of the defined standard process	☐	☒

7 Which statements regarding Generic Practices are correct?

	True	False
1. Defined skills must be ensured for achieving capability level 1 in SWE.4	☐	☒
2. Tailoring guidelines should not refer to project size or technical complexity	☐	☒
3. If the process organization defines that the standard process for SUP.9 must not be tailored, GP3.2.1 can be rated "F"	☒	☐
4. GP2.1.6 can be better than GP2.1.2	☐	☒
5. GP2.2.3 can be better than GP2.2.1	☒	☐

8 Which statements regarding Generic Practices are correct?

	True	False
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3. GP2.1.6 can be better than GP2.1.1	☐	☒
4. GP3.2.2 can be better than GP2.1.5	☐	☒
5. GP2.1.6 can be better than GP3.2.5	☒	☐

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9 How would you rate the Generic Practices of PA2.1?

	N	P	L	F
1. GP2.1.1	☐	☐	☐	☒
2. GP2.1.2	☐	☐	☐	☒
3. GP2.1.3	☐	☐	☒	☐
4. GP2.1.4	☐	☒	☐	☐
5. GP2.1.5	☐	☐	☐	☒
6. GP2.1.6	☐	☒	☐	☐
7. GP2.1.7	☐	☒	☐	☐

10 Which statements regarding the Generic Practices of PA2.1 are correct?

	True	False
1. Both mentioned resources objectives (5% rework and 10% review) are relevant for GP2.1.1	☐	☒
2. GP2.1.2 cannot be better than "P", because the process definition of SWE.1 is mixed up with activities of SWE.6	☐	☒
3. GP2.1.3 must not be downrated due to the resource limitation	☒	☐
4. GP2.1.4 is better than "P" because adjustments have been initiated	☐	☒
5. GP2.1.7 is better than "P" because PA1.1 is rated "F"	☐	☒

11 How would you rate the Generic Practices of PA2.2?

	N	P	L	F
1. GP2.2.1	☐	☐	☐	☒
2. GP2.2.2	☐	☐	☐	☒
3. GP2.2.3	☐	☒	☐	☐
4. GP2.2.4	☐	☐	☐	☒

12 Which statements regarding the Generic Practices of PA2.2 are correct?

	True	False
1. GP2.2.1 can't be better than "P" because there is no checklist available	☐	☒
2. GP2.2.2 can't be better than "P" because one engineer stores the recent versions of some files on his local PC only	☐	☒
3. GP2.2.3 is better than "P" because more than 50% of the configuration items are up to date in the configuration management system	☐	☒
4. GP2.2.4 is better than "P" because the requirements are reviewed based on criteria	☒	☐

Kommentiert [CK17]: No monitoring / identification of configuration management issue

Kommentiert [CK18]: Resource adjustment not effective. Increasing delay. No adjustment of configuration management issue.

Kommentiert [CK19]: 2 out of 3 engineers active -> 67%; Configuration Management infrastructure with weakness of critical impact -> downrating

Kommentiert [CK20]: Meeting skipped. No standard agenda or meeting minutes. Files not available with bad impact

Kommentiert [CK21]: Review of test cases not relevant for SWE.1 PA2.1

Kommentiert [CK22]: Not relevant. It is okay to define these actions in a project specific process definition

Kommentiert [CK23]: Adjustments are not effective. Adjustments for local file storage are missing

Kommentiert [CK24]: The communication might be sufficient on CL1 (next milestone), but not critical systematic weaknesses have been identified: meetings and config. Mngt.

Kommentiert [CK25]: About 50% of the updated files are not in the CM system. Baselines affected. Critical issues caused.

Part III: Some extra

13 Which statements are correct?

		True	False
1.	SYS.5 usually means testing the completely integrated system in a simulated environment.	☐	☒
2.	If you deliver hardware as well, the software alone cannot be considered as a system.	☒	☐
3.	The tests according to SWE.6 are not against non-functional software requirements	☐	☒
4.	Whether, among others, the quality team has the required training is included in the evaluation of MAN.3 GP2.1.6	☐	☒
5.	Telephone interviews have not serious disadvantages and should be performed to reduce travel effort	☐	☒

Kommentiert [CK26]: Tests shall be executed in the target environment.as well

Kommentiert [CK27]: Tests shall be performed against non-functional requirements as well

Kommentiert [CK28]: Telephone interviews have serious disadvantages and should be reduced or completely avoided

14 Which statements about the presentation of results and assessor certification are correct?

		True	False
1.	It is recommendable to ask the CL3 questions in a longer session at the beginning of the on-site phase	☒	☐
2.	The presentation of the results should take 30 to 60 minutes.	☒	☐
3.	The assessment log should be signed by the sponsor directly before or after the presentation of the results.	☒	☐
4.	The application template for assessor certification can be downloaded form from www.intacs.info.	☒	☐
5.	To become a certified Automotive SPICE assessor, you need to apply at VDA QMC.	☒	☐

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