



Mapping of SPiCE 1-2-1 for Automotive SPiCE PAM 3.1/3.0 Rule-Checker IDs to Gelbband Rule-Ids

referring to Tool SW-Version 3.3.0 issued Dec. 2nd, 2017 and Gelbband issued Feb. 2017

Note: The rule-checker contains all rules, which can be checked automatically - i.e. without any further contextual information

RULES.XML Ids	Gelbband ID	RuleText	Page	Scope	involved/related PA/BP/GP
1 to 10	[TAC.RC.4]	If for engineering processes the traceability indicator is downrated, the consistency indicator should not be rated higher.	46	SYS.2 SYS.3 SYS.4 SYS.5 SWE.1 SWE.2 SWE.3 SWE.4 SWE.5 SWE.6	SYS.2.BP6 "Establish bidirectional traceability" SYS.2.BP7 "Ensure consistency" SYS.3.BP6 "Establish bidirectional traceability" SYS.3.BP7 "Ensure consistency" SYS.4.BP7 "Establish bidirectional traceability" SYS.4.BP8 "Ensure consistency" SYS.5.BP5 "Establish bidirectional traceability" SYS.5.BP6 "Ensure consistency" SWE.1.BP6 "Establish bidirectional traceability" SWE.1.BP7 "Ensure consistency" SWE.2.BP7 "Establish bidirectional traceability" SWE.2.BP8 "Ensure consistency" SWE.3.BP5 "Establish bidirectional traceability" SWE.3.BP6 "Ensure consistency" SWE.4.BP5 "Establish bidirectional traceability" SWE.4.BP6 "Ensure consistency" SWE.5.BP7 "Establish bidirectional traceability" SWE.5.BP8 "Ensure consistency" SWE.6.BP5 "Establish bidirectional traceability" SWE.6.BP6 "Ensure consistency"
11 to 18	[SYS.2.RL.11]	If the specification of system requirements (BP1) is downrated, PA1.1 shall be downrated as all indicators (BP2, BP3, BP4, BP5, BP6, BP7 and BP8) are affected.	92	SYS.2	SYS.2.PA1.1 "Process performance process attribute" SYS.2.BP1: "Specify system requirements." SYS.2.BP2: "Structure system requirements." SYS.2.BP3: "Analyze system requirements." SYS.2.BP4: "Analyze the impact on the operating environment." SYS.2.BP5: "Develop verification criteria." SYS.2.BP6: "Establish bidirectional traceability." SYS.2.BP7: "Ensure consistency." SYS.2.BP8: "Communicate agreed system requirements."
19 to 26	[SYS.3.RL.7]	If the development of the system architectural design (BP1) is downrated, PA1.1 shall be downrated as all indicators (BP2, BP3, BP4, BP5, BP6, BP7 and BP8) are affected.	102	SYS.3	SYS.3.PA1.1 "Process performance process attribute" SYS.3.BP1: "Develop system architectural design." SYS.3.BP2: "Allocate system requirements." SYS.3.BP3: "Define interfaces of system elements." SYS.3.BP4: "Describe dynamic behavior." SYS.3.BP5: "Evaluate alternative system architectures." SYS.3.BP6: "Establish bidirectional traceability." SYS.3.BP7: "Ensure consistency." SYS.3.BP8: "Communicate agreed system architectural design."
27	[SYS.3.RC.2]	If the allocation of the system requirements to elements of the system architectural design BP2 is downrated, the indicator BP6 should be downrated as well.	102	SYS.3	SYS.3.BP2: "Allocate system requirements." SYS.3.BP6: "Establish bidirectional traceability."
28	[SYS.4.RL.12]	If the indicator for developing the test specification (BP3) is downrated, the indicator (BP5) must not be rated higher.	109	SYS.4	SYS.4.BP3: "Develop specification for system integration test." SYS.4.BP5: "Select test cases."
29	[SYS.4.RL.14]	If the indicator for selecting test cases (BP5) is rated P or N, the indicator (BP6) shall be downrated.	109	SYS.4	SYS.4.BP5: "Select test cases." SYS.4.BP6: "Test integrated system."
30	[SYS.5.RL.10]	If the indicator for developing the test specification (BP2) is downrated, the indicator (BP3) must not be rated higher.	116	SYS.5	SYS.5.BP2: "Develop specification for system qualification test." SYS.5.BP3: "Select test cases."
31	[SYS.5.RL.12]	If the indicator for selecting test cases (BP3) is rated P or N, the indicator (BP4) shall be downrated.	116	SYS.5	SYS.5.BP3: "Select test cases." SYS.5.BP4: "Test integrated system"
32 to 39	[SWE.1.RL.13]	If the specification of software requirements (BP1) is downrated, PA1.1 shall be downrated as all indicators (BP2, BP3, BP4, BP5, BP6, BP7 and BP8) are affected.	125	SWE.1	SWE.1.PA1.1: "Process performance process attribute" SWE.1.BP1: "Specify software requirements." SWE.1.BP2: "Structure software requirements." SWE.1.BP3: "Analyze software requirements." SWE.1.BP4: "Analyze the impact on the operating environment." SWE.1.BP5: "Develop verification criteria." SWE.1.BP6: "Establish bidirectional traceability." SWE.1.BP7: "Ensure consistency." SWE.1.BP8: "Communicate agreed software requirements."
40 to 48	[SWE.2.RL.8]	If the development of the software architectural design (BP1) is downrated, PA1.1 shall be downrated as all indicators (BP2, BP3, BP4, BP5, BP6, BP7, BP8 and BP9) are affected.	135	SWE.2	SWE.2.PA1.1: "Process performance process attribute" SWE.2.BP1: "Develop software architectural design." SWE.2.BP2: "Allocate software requirements." SWE.2.BP3: "Define interfaces of software elements." SWE.2.BP4: "Describe dynamic behavior." SWE.2.BP5: "Define resource consumption objectives." SWE.2.BP6: "Evaluate alternative software architectures." SWE.2.BP7: "Establish bidirectional traceability." SWE.2.BP8: "Ensure consistency." SWE.2.BP9: "Communicate agreed software architectural design."
49	[SWE.2.RC.2]	If the allocation of the software requirements to elements of the software architectural design BP2 is downrated, the indicator BP7 should be downrated as well.	135	SWE.2	SWE.2.BP2: "Allocate software requirements." SWE.2.BP7: "Establish bidirectional traceability."
50 to 57	[SWE.3.RL.8]	If the development of the software detailed design (BP1) is downrated, PA1.1 shall be downrated as all indicators (BP2, BP3, BP4, BP5, BP6, BP7, and BP8) are affected.	144	SWE.3	SWE.3.PA1.1: "Process performance process attribute" SWE.3.BP1: "Develop software detailed design." SWE.3.BP2: "Define interfaces of software units." SWE.3.BP3: "Describe dynamic behavior." SWE.3.BP4: "Evaluate software detailed design." SWE.3.BP5: "Establish bidirectional traceability." SWE.3.BP6: "Ensure consistency." SWE.3.BP7: "Communicate agreed software detailed design." SWE.3.BP8: "Develop software units."

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58	[SWE.4.RL.10]	If the indicator for performing static verification of software units (BP3) is rated Por N, the indicator for summarizing and communicating the results (BP7) shall be downrated.	149	SWE.4	SWE.4.BP3: "Perform static verification of software units." SWE.4.BP7: "Summarize and communicate results."
59	[SWE.4.RL.11]	If the indicator for testing software units (BP4) is rated Por N, the indicator for summarizing and communicating the results (BP7) shall be downrated.	149	SWE.4	SWE.4.BP4: "Test software units." SWE.4.BP7: "Summarize and communicate results."
60	[SWE.5.RL.12]	If the indicator for developing the test specification (BP3) is downrated, the indicator (BP5) must not be rated higher.	157	SWE.5	SWE.5.BP3: "Develop specification for software integration test." SWE.5.BP5: "Select test cases."
61	[SWE.5.RL.14]	If the indicator for selecting test cases (BP5) is rated P or N, the indicator (BP6) shall be downrated.	157	SWE.5	SWE.5.BP5: "Select test cases." SWE.5.BP6: "Test integrated software."
62	[SWE.6.RL.10]	If the indicator for developing the test specification (BP2) is downrated, the indicator (BP3) must not be rated higher.	164	SWE.6	SWE.6.BP2: "Develop specification for software qualification test." SWE.6.BP3: "Select test cases."
63	[SWE.6.RL.12]	If the indicator for selecting test cases (BP3) is rated P or N, the indicator (BP4) shall be downrated.	164	SWE.6	SWE.6.BP3: "Select test cases." SWE.6.BP4: "Test integrated software."
64 to 66	[SUP.1.RC.6]	If the quality of work products (BP2) is downrated then BP4, BP5, and BP6 should be downrated.	171	SUP.1	SUP.1.BP2: "Assure quality of work products." SUP.1.BP4: "Summarize and communicate quality assurance activities and results." SUP.1.BP5: "Ensure resolution of non-conformances." SUP.1.BP6: "Implement an escalation mechanism."
67 to 69	[SUP.1.RC.7]	If the quality of process activities (BP3) is downrated then BP4, BP5, and BP6 should be downrated.	171	SUP.1	SUP.1.BP3: "Assure quality of process activities." SUP.1.BP4: "Summarize and communicate quality assurance activities and results." SUP.1.BP5: "Ensure resolution of non-conformances." SUP.1.BP6: "Implement an escalation mechanism."
70 to 73	[SUP.8.RC.3]	If the identification of configuration items is not properly done (BP2), the indicators BP5, BP7, BP8, and BP9 should be downrated.	178	SUP.8	SUP.8.BP2: "Identify configuration items." SUP.8.BP5: "Control modifications and releases." SUP.8.BP7: "Report configuration status." SUP.8.BP8: "Verify the information about configured items." SUP.8.BP9: "Manage the storage of configuration items and baselines."
74	[SUP.8.RC.4]	If establishing baselines (BP6) is downrated, the verification of configuration items and their baselines (BP8) should be downrated.	178	SUP.8	SUP.8.BP6: "Establish baselines." SUP.8.BP8: "Verify the information about configured items."
75	[SUP.8.RC.5]	If establishing a configuration management system (BP3) is downrated, the management of storage of items and baselines (BP9) should be downrated.	178	SUP.8	SUP.8.BP3: "Establish a configuration management system." SUP.8.BP9: "Manage the storage of configuration items and baselines."
76	[SUP.8.RC.6]	If establishing baselines (BP6) is downrated, the management of storage of baselines (BP9) should be downrated.	178	SUP.8	SUP.8.BP6: "Establish baselines." SUP.8.BP9: "Manage the storage of configuration items and baselines."
77	[SUP.9.RC.2]	If the degree of problem identification (BP2) is downrated, the problem status recording (BP3) should not be rated higher.	185	SUP.9	SUP.9.BP2: "Identify and record the problem." SUP.9.BP3: "Record the status of problems."
78	[SUP.9.RL.10]	If the analysis of the problem (BP4) is rated P or N, the authorization of resolution actions (BP5) must not be rated higher.	185	SUP.9	SUP.9.BP4: "Diagnose the cause and determine the impact of the problem." SUP.9.BP5: "Authorize urgent resolution action."
79	[SUP.9.RC.4]	If the analysis of the problem (BP4) is rated P or N, the raising of alert notifications (BP6) should be downrated.	185	SUP.9	SUP.9.BP4: "Diagnose the cause and determine the impact of the problem." SUP.9.BP6: "Raise alert notifications."
80	[SUP.9.RC.5]	If the analysis of the problem (BP4) is rated P or N, the initiation of problem resolution activities (BP7) should be downrated.	185	SUP.9	SUP.9.BP4: "Diagnose the cause and determine the impact of the problem." SUP.9.BP7: "Initiate problem resolution."
81	[SUP.9.RL.11]	If problem status recording (BP3) is rated P or N, the closure tracking of problems (BP8) shall be downrated.	185	SUP.9	SUP.9.BP3: "Record the status of problems." SUP.9.BP8: "Track problems to closure."
82	[SUP.10.RC.9]	If the degree of CR identification (BP2) is downrated, the CR status recording (BP3) should not be rated higher.	193	SUP.10	SUP.10.BP2: "Identify and record the change requests." SUP.10.BP3: "Record the status of change requests."
83	[SUP.10.RL.9]	If the analysis of the change request (BP4) is rated P or N, the CR approval (BP5) must not be rated higher.	193	SUP.10	SUP.10.BP4: "Analyze and assess change requests." SUP.10.BP5: "Approve change requests before implementation."
84	[SUP.10.RL.10]	If CR status recording (BP3) is rated P or N, the closure tracking of CRs (BP7) shall be downrated.	194	SUP.10	SUP.10.BP3: "Record the status of change requests." SUP.10.BP7: "Track change requests to closure."
85	[MAN.3.RC.16]	If the definition of the scope of work (BP1) is downrated, then the definition of the project lifecycle (BP2) should be downrated.	205	MAN.3	MAN.3.BP1: "Define the scope of work." MAN.3.BP2: "Define project life cycle."
86	[MAN.3.RC.17]	If the definition of the scope of work (BP1) is downrated, then the evaluation of feasibility (BP3) should be downrated.	205	MAN.3	MAN.3.BP1: "Define the scope of work." MAN.3.BP3: "Evaluate feasibility of the project."
87	[MAN.3.RC.18]	If the project lifecycle (BP2) is downrated, control of project activities (BP4) should be downrated.	205	MAN.3	MAN.3.BP1: "Define the scope of work." MAN.3.BP4: "Define, monitor and adjust project activities."
88	[MAN.3.RC.19]	If the definition of the scope of work (BP1) is downrated, then the determination of estimates & resources (BP5) should be downrated.	205	MAN.3	MAN.3.BP1: "Define the scope of work." MAN.3.BP5: "Determine, monitor und adjust project estimates and resources."
89	[MAN.3.RC.26]	If Risk Management (MAN.5 PA1.1) is downrated then the control of estimates and resources (BP5) should not be rated higher than L.	206	MAN.3	MAN.5.PA1.1: "Process performance process attribute" MAN.3.BP5: "Determine, monitor und adjust project estimates and resources."
90	[CL2.RC.1]	At least one of the ratings of PA 2.1 or PA 2.2 should not be greater than the rating of PA 1.1.	209	*	PA 1.1: "Process performance process attribute" PA 2.1: "Performance management process attribute" PA 2.2: "Work product management process attribute"
91	[CL2.RL.22]	If the indicator for identifying the objectives for the performance of the process (GP2.1.1) is downrated, the indicator GP 2.1.2 shall be downrated.	218	*	GP 2.1.1: "Identify the objectives for the performance of the process." GP2.1.2: "Plan the performance of the process to fulfill the identified objectives."

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92	[CL2.RL.23]	If the indicator for planning the performance of the process (GP2.1.2) is downrated, the indicator GP2.1.3 must not be rated higher.	218	*	GP2.1.2: "Plan the performance of the process to fulfill the identified objectives." GP2.1.3: "Monitor the performance of the process against the plans."
93	[CL2.RL.24]	If the indicator for identifying the objectives of the process (GP2.1.1) is downrated, the indicator GP2.1.4 shall be downrated.	218	*	GP 2.1.1: "Identify the objectives for the performance of the process." GP2.1.4: "Adjust the performance of the process."
94	[CL2.RL.25]	If the indicator for planning the performance of the process (GP2.1.2) is downrated, the indicator GP2.1.4 must not be rated higher.	218	*	GP2.1.2: "Plan the performance of the process to fulfill the identified objectives." GP2.1.4: "Adjust the performance of the process"
95	[CL2.RL.26]	If the indicator for monitoring the performance of the process (GP2.1.3) is downrated, the indicator GP2.1.4 must not be rated higher.	218	*	GP2.1.3: "Monitor the performance of the process against the plans." GP2.1.4: "Adjust the performance of the process."
96	[CL2.RL.27]	If the indicator for planning the performance of the process (GP2.1.2) is downrated, the indicator GP2.1.6 must not be rated higher.	219	*	GP2.1.2: "Plan the performance of the process to fulfill the identified objectives." GP2.1.6: "Identify, prepare, and make available resources to perform the process according to plan."
97	[CL2.RL.40]	If the indicator for defining requirements for documentation and control of the work products (GP2.2.2) is downrated, the indicator GP2.2.3 must not be rated higher.	226	*	GP 2.2.2: "Define the requirements for documentation and control of the work products." GP2.2.3: "Identify, document and control the work products."
98	[CL3.RL.20]	If the indicator for Identify the required infrastructure and work environment (GP 3.1.4) is downrated, the indicator (GP 3.2.5) shall be downrated.	239	*	GP 3.1.4: "Identify the required infrastructure and work environment for performing the standard process." GP 3.2.5: "Provide adequate process infrastructure to support the performance of the defined process."
99	[CL3.RL.22]	If the definition of responsibilities and authorities (GP 2.1.5) is downrated, the indicator GP3.2.2 shall be downrated.	240	*	GP 2.1.5: "Define responsibilities and authorities for performing the process." GP 3.2.2: "Assign and communicate roles, responsibilities and authorities for performing the defined process."