

Experiences with Assessments with Process Instances - Lessons Learned with Capady

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Experiences with Different Use of Instances



Case 0: Classic according to VDA

- The project has different sub-teams working with the same process area but having different processes, tools, methods
 - Separating base software from function software team
 - Separating in ACQ.4 different suppliers

Case 1: Suppliers covering different engineering process areas

- The project has different suppliers working in different engineering process areas and having different processes, tools, methods in the management and supporting processes
 - Separating Requirements Engineering, Design, and Testing
 - Separating different suppliers in ACQ.4

Case 2: Platform

- The same platform is used in a set of application projects
 - Example. SW lib rolled out to projects, many variants of the lib used, roll out of thze platform assessment



Case 1

The project has different suppliers working in different engineering process areas and having different processes, tools, methods in the management and supporting processes



- Suppliers cover complementary engineering processes of the project
- Suppliers have their own internal Project Management and Supporting Processes

Capability \(\sqrt{dviser} \)

- + ACO.4 Supplier Monitoring - MAN.3 Project Management
 - **»** MAN.3 1
 - **>>** MAN.3 2
 - **>>** MAN.3 3
 - **»** MAN.3 4
 - » MAN.3 5
- + MAN.5 Risk Management
- + SPL.2 Product Release
- + SUP.1 Quality Assurance
- + SUP.2 Verification
- + SUP.8 Configuration Management
- + SUP.9 Problem Resolution Manageme
- + SUP.10 Change Request Management
- + SWE.1 Software Requirements Analys
- + SWE.2 Software Architectural Design
- + SWE.3 Software Detailed Design and Unit Construction
- + SWE.4 Software Unit Verification

Project Management The purpose of the Project Management Pro activities and resources necessary for a proproject's requirements and constraints.

MAN.3 1: ■ S	ummary	⊞ Notes	🖺 Save All	■ Evidences
Instance: 1 🗸				
☑ MAN.3.BP1	Define the	_	work. Identify	
☑ MAN.3.BP2	Define project life cycle. Define the life cycle for the context, magnitude and complexity of the project. [O			

ASPICE Process	Supplier 1	Supplier 2
SYS.1	X	NA
SYS.2	X	NA
SYS.3	X	NA
SWE.1	NA	NA
SWE.2	NA	NA
SWE.3	NA	NA
SWE.4	NA	NA
SWE.5	NA	NA
SWE.6	NA	NA
SYS.4	X	NA
SYS.5	NA	Χ
ACO.4	X	NA
MAN.3	X	X
MAN.5	X	Χ
SUP.1	X	X
SUP.2	X	NA
SUP.8	X	X
SUP.9	X	Χ
SUP.10	X	X
SPL.Z	Х	NA



- CapAdv's integrated Assessment Report Generator generates result tables for each instance
- Automated Instance Result Consolidation is supported, however not required in this case

Unit Instance #1	1.1	2.1	2.2
ACQ.4 Supplier Monitoring	F	L	F
MAN.3 Project Management	F	L	F
MAN.5 Risk Management	F	L	F
SPL.2 Product Release	L	Р	Р
SUP.1 Quality Assurance	F	F	F
SUP.2 Verification	F	L	F
SUP.8 Configuration	F	L	F
Management			
SUP.9 Problem Resolution	F	L	F
Management			
SUP.10 Change Request	F	L	F
Management			
SYS.2 System Requirements	F	L	F
Analysis			
SYS.3 System Architectural	L	L	F
Design			
SYS.4 System Integration and	F	Р	F
Integration Test			

Unit · Instance #2	1.1	2.1	2.2
MAN.3 Project Management	F	F	F
MAN.5 Risk Management	F	L	F
SUP.1 Quality Assurance	F	L	F
SUP.8 Configuration	F	L	F
Management			
SUP.9 Problem Resolution	L	L	L
Management			
SUP.10 Change Request	L	L	F
Management			
SYS.5 System Qualification Test	F	F	F

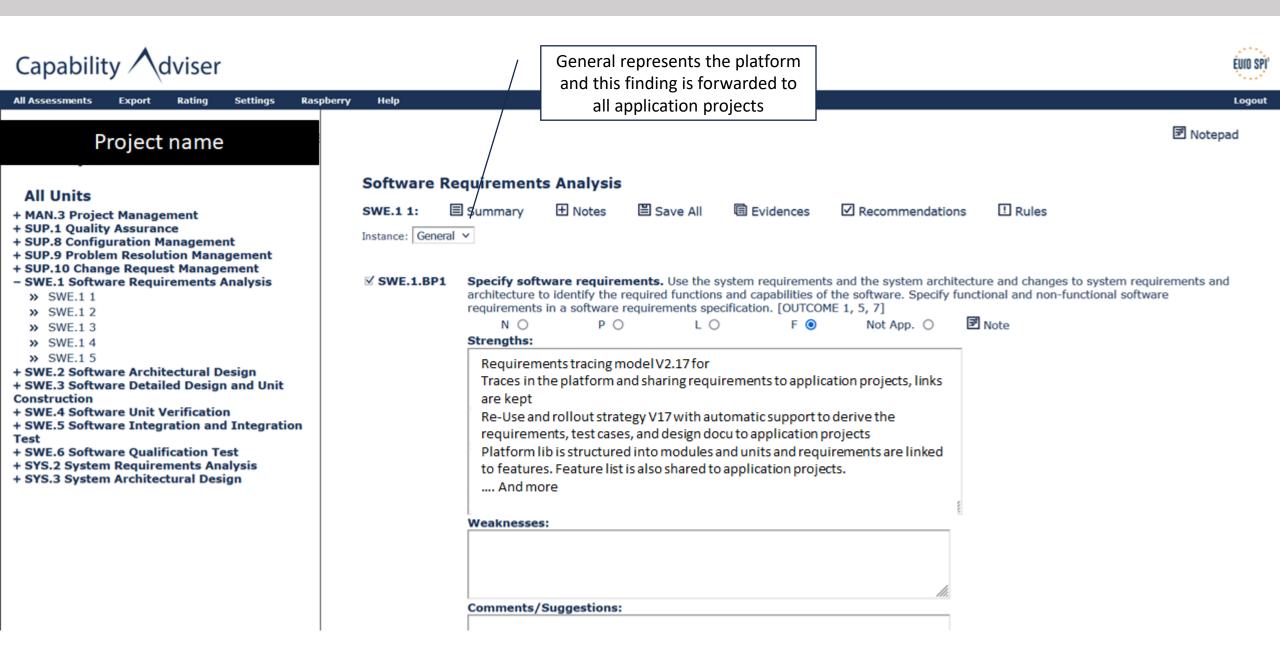
Capability \(\)dviser



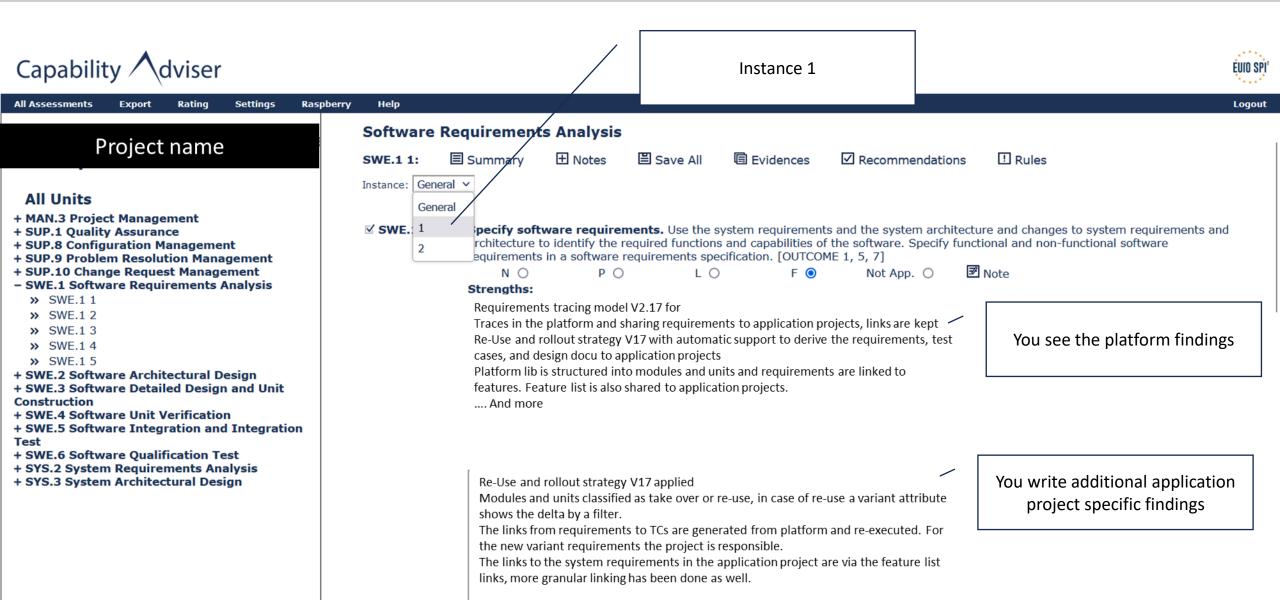
Case 2

The same platform is used in a set of application projects











 Rating is for each instance available and aggregated according to VDA guidelines (falsified from real example)

Processes	Assessors	Attributes 1 2.1 2.2 3.1 3.2 4.1 4.2 5.1 5.2
General		
SWE.1 Software Requirements Analysis	Assessor X Assessor Y	
Instance 1		
SWE.1 Software Requirements Analysis	Assessor X Assessor Y	
Total		
SWE.1 Software Requirements Analysis	Assessor X Assessor Y	

Thanks



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- 2. ISCN is certified by VDA to hold provisional and competent ASPICE assessor courses
- 3. ISCN moderates the German task force SOQRATES (https://soqrates.eurospi.net) since 2003 where >20 Tier 1 collaborate on ASPICE, Safety and Security.
- 4. ISCN organises the EuroSPI conference since 1994 where e.g. VW is organising a workshop community, and VW, Rheinmetall AG, EB, MAGNA, AVL held key notes. http://www.eurospi.net
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