

CMMI Text	Mapping	Comments
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Capability Levels and Generic Model Components

Practice to Goal Relationship Table

CMMI Text	Mapping	Comments
GG1 Achieve Specific Goals	PA1.1	
GP 1.1 Identify Work Scope	PA1.1/1	
GP 1.2 Perform Base Practices	PA1.1/2	
GG2 Institutionalize a Managed Process	PA2.1	
	PA2.2	
GP 2.1 Establish an Organizational Policy	PA2.1/ 1	
GP 2.2 Plan the Process	PA2.1/1	
	PA2.1/2	
	PA2.1/3	
	PA2.2/1	
	PA2.2/2	
	PA2.2/3	
	PA2.2/4	
	PA2.2/5	
GP 2.3 Provide Resources	PA2.1/3	
GP 2.4 Assign Responsibility	PA2.1/2	
GP 2.5 Train People	PA2.1/3	
	ORG.3/O.2	
GP 2.6 Manage Configurations	PA2.2/2	
	PA2.2/4	
	SUP.2	
GP 2.7 Identify and Involve Relevant Stakeholders	PA2.1/2	
	PA2.1/3	
GP 2.8 Monitor and Control the Process	PA2.1/3	
GP 2.9 Objectively Evaluate Adherence	PA2.1/3	
GP 2.10 Review Status with Higher-Level Management	PA2.1/3	
GG3 Institutionalize a Defined Process	PA3.1	There is no coverage of PA3.2 in the level 3 GPs
GP 3.1 Establish a Defined Process	PA3.1/1	
	PA3.1/2	
GP 3.2 Collect Improvement Information	PA3.1/3	
	PA3.1/4	
GG4 Institutionalize a Quantitatively Managed Process	PA4.1	
	PA4.2	
GP 4.1 Establish Quality Objectives	PA4.1/1	
GP 4.2 Stabilize Subprocess Performance	PA4.1/2	
	PA4.1/3	
	PA4.1/4	
	PA4.2/1	
	PA4.2/2	
	PA4.2/3	
GG5 Institutionalize an Optimizing Process	PA5.2	There is no coverage of PA5.1 in the level 5 GPs
GP 5.1 Ensure Continuous Process Improvement	PA5.2/1	
	PA5.2/3	
	PA5.2/4	
GP 5.2 Correct Common Cause of Problems	PA5.2/2	

CMMI Text	Maps To	Comments
Organizational Process Focus		
<i>Process Management</i>		
Practice to Goal Relationship Table		
SG 1 Determine Process Improvement Opportunities	PA3.1/1 ORG.2.1/O.1 ORG.2.1/O.2 ORG.2.2 ORG.2.3/O.2	
SP 1.1-1 Establish Organizational Process Needs	PA3.1/1 ORG.2.1/O.1 ORG.2.1/O.2	
SP 1.2-1 Assess the Organization's Processes	ORG.2.2	
SP 1.3-1 Identify the Organization's Process Improvements	ORG.2.3/O.2	
SG 2 Plan and Implement Process Improvement Activities	PA3.1/3 PA3.1/4 PA3.2/2 PA3.2/3 ORG.2.1/O.4 ORG.2.2/O.4 ORG.2.3/O.1 ORG.2.3/O.3 ORG.2.3/O.4	
SP 2.1-1 Establish Process Action Plans	ORG.2.3/O.3	
SP 2.2-1 Implement Process Action Plans	ORG.2.3/O.3	
SP 2.3-1 Deploy Process and Related Process Assets	PA3.2/2 PA3.2/3 ORG.2.3/O.1	
SP 2.4-1 Incorporate Process-Related Experiences into the Organization's Process Assets	PA3.1/3 PA3.1/4 ORG.2.1/O.4 ORG.2.2/O.4 ORG.2.3/O.4	

CMMI Text	Maps To	Comments
Organizational Process Definition		
<i>Process Management</i>		
Practice to Goal Relationship Table		
SG 1 Create Organizational Process Assets	PA3.1/1 ORG.2.1.O.1 ORG.2.1.O.2 ORG.2.1.O.3	
SP 1.1-1 Establish Standard Processes	PA3.1/1 ORG.2.1.O.1 ORG.2.1.O.2	
SP 1.2-1 Establish Life-Cycle Model Descriptions	PA3.1/1 ORG.2.1.O.1	
SP 1.3-1 Establish Tailoring Criteria and Guidelines	PA3.1/1 ORG.2.1.O.3	
SG 2 Make Supporting Process Assets Available	PA3.1/3 PA3.1/4 PA3.2/2 PA3.2/3 ORG.5/O.1 ORG.5/O.2 ORG.5/O.3 ORG.2.1/O.4	
SP 2.1-1 Establish an Organizational Measurement Repository	PA.2.2 PA3.1/3 PA3.2/2 PA3.2/3 ORG.5/O.1 ORG.5/O.2 ORG.5/O.3 ORG.2.1/O.4	
SP 2.2-1 Establish an Organizational Process Asset Library	PA.2.2 PA3.1/4 PA3.2/2 PA3.2/3 ORG.2.1.O.4	

CMMI Text	Maps To	Comments
Organizational Training		
<i>Process Management</i>		
Practice to Goal Relationship Table		
SG 1 Identify Training Needs and Make Training Available	PA3.2/1	
	PA3.2/3	
	ORG.3/O.1	
	ORG.3/O.2	
SP 1.1-1 Establish the Strategic Training needs	ORG.3/O.1	
	ORG.3/O.2	
SP 1.2-1 Determine Which Training Needs Are the Responsibility of the Organization	PA3.2/1	
	PA3.2/3	
	ORG.3/O.1	
	ORG.3/O.2	
SP 1.3-1 Establish Organizational Training Tactical Plan	PA3.2/1	
	ORG.3/O.1	
SP 1.4-1 Establish Training Capability	PA3.2/3	
	ORG.3/O.2	
SG 2 Provide Necessary Training	ORG.3/O.2	
	ORG.3/O.3	
	ORG.3/O.5	
SP 2.1-1 Deliver Training	ORG.3/O.2	
	ORG.3/O.3	
SP 2.2-1 Establish Training Records	ORG.3/O.3	
SP 2.3-1 Assess Training Effectiveness	ORG.3/O.5	

CMMI Text	Maps To	Comments
Organizational Process Performance		
<i>Process Management</i>		
Practice to Goal Relationship Table		
SG 1 Establish Performance Baselines and Models	PA4.1/1 PA4.1/2 PA4.1/3 PA4.2 PA5.2/1 ORG.5 ORG.2.1/O.4 ORG.2.2/O.4 ORG.2.3/O.4 MAN.3/O.1 MAN.3/O.2	
SP 1.1-1 Select Processes	ORG.2.2/O.4 ORG.2.3/O.2	
SP 1.2-1 Establish Process Performance Measures	PA4.1/1 ORG.5/O.1 ORG.5/O.3	
SP 1.3-1 Establish Quality and Process Performance Objectives	PA4.1/1 PA5.2/1 MAN.3/O.1 MAN.3/O.2	
SP 1.4-1 Establish Process Performance Baselines	PA4.1/2 PA4.1/3 PA4.2/1 PA4.2/2 ORG.5/O.2 ORG.5/O.4 ORG.2.1/O.4	
SP 1.5-1 Establish Process Performance Models	PA4.1/3 PA4.2/3 ORG.2.1/O.4 ORG.2.3/O.4	

CMMI Text	Maps To	Comments
Organizational Innovation and Deployment		
<i>Process Management</i>		
Practice to Goal Relationship Table		
SG 1 Select Improvements	PA5.1/1 PA5.1/3 PA5.2 ORG.2.2/O.2 ORG.2.2/O.4 ORG.2.3/O.1 ORG.2.3/O.2 ORG.2.3/O.3 ORG.2.3/O.4 ORG.4/O.1	
SP 1.1-1 Collect and Analyze Improvement Proposals	PA5.1/1 PA5.1/3 PA5.2 ORG.2.3/O.1 ORG.2.3/O.2 ORG.2.3/O.3 ORG.2.3/O.4 ORG.4/O.1	
SP 1.2-1 Identify Innovations	PA5.1/1 PA5.2/3 PA5.2/4 ORG.2.2/O.2 ORG.2.2/O.4 ORG.2.3/O.2 ORG.2.3/O.4	
SP 1.3-1 Pilot Improvements	PA5.2/4 ORG.2.3/O.1	
SP 1.4-1 Select Improvements for Deployment	PA5.2/4 ORG.2.3/O.1	
SG 2 Deploy Improvements	PA5.1/2 PA5.1/3 PA5.2/2 PA5.2/4 ORG.2.3/O.1 ORG.2.3/O.2 ORG.2.3/O.3 ORG.2.3/O.5 ORG.5/O.3	
SP 2.1-1 Plan the Deployment	PA4.1/1 PA5.2/2 PA5.2/4 ORG.2.3/O.1	
SP 2.2-1 Manage the Deployment	PA5.1/2 PA5.1/3 ORG.2.3/O.1 ORG.2.3/O.2 ORG.2.3/O.3	
SP 2.3-1 Measure Improvement Effects	PA5.1/3 ORG.2.3/O.3 ORG.2.3/O.5 ORG.5/O.3	

CMMI Text	Maps To	Comments
Project Planning		
<i>Project Management</i>		
Practice to Goal Relationship Table		
SG 1 Establish Estimates	MAN.2/O.1 MAN.2/O.2 MAN.2/O.3 ORG.6/O.2	
SP 1.1-1 Estimate the Scope of the Project	MAN.2/O.1 ORG.6/O.2	
SP 1.2-1 Establish Estimates of Project Attributes	MAN.2/O.1 MAN.2/O.2 MAN.2/O.3	
SP 1.3-1 Define Project Life Cycle	MAN.2/O.1	
SP 1.4-1 Determine Estimates of Effort and Cost	MAN.2/O.2 MAN.2/O.3 ORG.5/O.2 ORG.5/O.3	
SG 2 Develop a Project Plan	MAN.2/O.1 MAN.2/O.2 MAN.2/O.3 MAN.2/O.4 MAN.2/O.5 MAN.4/O.3 MAN.4/O.4 SUP.1/O.1 SUP.1/O.2 SUP.1/O.3 SUP.1/O.4 SUP.1/O.5 ORG.3/O.1 ORG.3/O.3 ORG.5/O.1	Mapping to MAN.2/O.2 is limited to establishing feasibility of estimates and budget. The overall business feasibility of the project is not addressed.
SP 2.1-1 Establish the Budget and Schedule	MAN.2/O.1 MAN.2/O.2 MAN.2/O.3	
SP 2.2-1 Identify Project Risks	MAN.4/O.3 MAN.4/O.4	Sub-practices are not supportive of MAN.4/O.4
SP 2.3-1 Plan for Data Management	SUP.1/O.1 SUP.1/O.2 SUP.1/O.3 SUP.1/O.4 SUP.1/O.5 ORG.5/O.1	Maps to all of SUP.1 except for SUP.1/O.6
SP 2.4-1 Plan for Project Resources	MAN.2/O.1 MAN.2/O.3	
SP 2.5-1 Plan for Needed Knowledge and Skills	MAN.2/O.2 MAN.2/O.5 ORG.3/O.1 ORG.3/O.2 ORG.3/O.3	
SP 2.6-1 Plan Stakeholder Involvement	MAN.2/O.4	
SP 2.7-1 Establish the Project Plan	MAN.2/O.5	

CMMI Text

Project Planning*Project Management***Practice to Goal Relationship Table****SG 3 Obtain Commitment to the Plan**

CMMI Text	Maps To	Comments
Project Planning <i>Project Management</i> Practice to Goal Relationship Table SG 3 Obtain Commitment to the Plan	MAN.2/O.2 MAN.2/O.3 MAN.2/O.4 MAN.2/O.5 MAN.2/O.7	Mapping to MAN.2/O.7 relates only to deviation of available resources from estimates. Mapping to MAN.2/O.2 is limited to establishing feasibility of required resources. The overall business feasibility of the project is not addressed.
SP 3.1-1 Review Subordinate Plans	MAN.2/O.4	
SP 3.2-1 Reconcile Work and Resource Levels	MAN.2/O.5 MAN.2/O.2 MAN.2/O.3 MAN.2/O.5 MAN.2/O.7	
SP 3.3-1 Obtain Plan Commitment	MAN.2/O.4	

CMMI Text	Maps To	Comments
Project Monitoring and Control		
<i>Project</i>		
Practice to Goal Relationship Table		
SG 1 Monitor Project Against Plan	MAN.2/O.6 MAN.2/O.7 MAN.4/O.3 MAN.4/O.4 SUP.1/O.6 SUP.6 SUP.8/O.2 ORG.3/O.1 ORG.5/O.4	
SP 1.1-1 Monitor Project Planning Parameters	MAN.2/O.6 MAN.2/O.7 ORG.3/O.1	
SP 1.2-1 Monitor Commitments	MAN.2/O.7 SUP.6/O.2 SUP.6/O.3	
SP 1.3-1 Monitor Project Risks	MAN.4/O.3 MAN.4/O.4 SUP.6/O.1 SUP.6/O.3	
SP 1.4-1 Monitor Data Management	MAN.2/O.6 SUP.1/O.6	
SP 1.5-1 Monitor Stakeholder Involvement	SUP.6/O.1 SUP.6/O.3 SUP.8/O.2	
SP 1.6-1 Conduct Progress Reviews	MAN.2/O.7 SUP.6/O.2 SUP.6/O.3 SUP.6/O.4 SUP.8/O.2 ORG.5/O.4	
SP 1.7-1 Conduct Milestone Reviews	MAN.2/O.6 MAN.2/O.7 SUP.8/O.2	
SG 2 Manage Corrective Action to Closure	MAN.2/O.7 SUP.6/O.1 SUP.6/O.4 SUP.8	
SP 2.1-1 Analyze Issues	MAN.2/O.7 SUP.8/O.2	
SP 2.2-1 Take Correction Action	MAN.2/O.7 SUP.6/O.1 SUP.6/O.4 SUP.8/O.1	
SP 2.3-1 Manage Corrective Action	MAN.2/O.7 SUP.6/O.4 SUP.8/O.3	

CMMI Text	Maps To	Comments
Supplier Agreement Management <i>Project</i>		
Practice to Goal Relationship Table		
SG 1 Establish Supplier Agreements	CUS.1.1/O.1	
	CUS.1.1/O.3	
	CUS.1.2	
	MAN.2/O.4	
	MAN.2/O.5	
SP 1.1-1 Analyze Needs and Requirements Determined by the Project	CUS.1.1/O.1	
	CUS.1.1/O.3	
SP 1.2-1 Select Suppliers	CUS.1.2/O.1	
	CUS.1.2/O.2	
SP 1.3-1 Establish Supplier Agreements	CUS.1.2/O.3	
	MAN.2/O.4	
	MAN.2/O.5	
SG 2 Satisfy Supplier Agreements	CUS.1.1/O.1	
	CUS.1.2/O.2	
	CUS.1.2/O.3	
	CUS.1.3	
	CUS.1.4	
	ENG.2/O.1	
	MAN.2/O.4	
	MAN.2/O.5	
	MAN2./O.7	
	MAN.3/O.3	
	MAN.4/O.3	
	MAN.4/O.4	
	MAN.4/O.5	
	MAN.4/O.6	
	SUP.2/O.6	
	SUP.6	
SP 2.1-1 Acquire COTS Products	CUS.1.1/O.1	
	CUS.1.2/O.2	
	CUS.1.4/O.2	
	ENG.2/O.1	
	MAN.2/O.4	
	MAN.2/O.5	
	MAN.4/O.3	
SP 2.2-1 Execute the Supplier Agreement	CUS.1.2/O.3	
	CUS.1.3/O.1	
	CUS.1.3/O.2	
	CUS.1.3/O.3	
	MAN.2/O.7	
	MAN.4/O.4	
	MAN.4/O.5	
	MAN.4/O.6	
	SUP.6/O.1	
SP 2.3-1 Conduct Acceptance Testing	CUS.1.3/O.2	
	CUS.1.4/O.1	
	CUS.1.4/O.2	
	SUP.6/O.1	
	SUP.6/O.2	
	SUP.6/O.3	
	SUP.6/O.4	
SP 2.4-1 Transition Products	MAN.3/O.3	
	SUP.2/O.6	
	ORG.3/O.2	

CMMI Text	Maps To	Comments
Integrated Project Management <i>Project Management</i>		
Practice to Goal Relationship Table		
SG 1 Use the Project's Defined Process	PA2.1/1 PA2.2/3 PA3.1/2 PA3.1/3 PA3.1/4 PA3.2/1 PA3.2/2 MAN.2/O.3 MAN.2/O.4 MAN.2/O.5 MAN.2/O.6 MAN.2/O.7 SUP.4/O.3 SUP.6/O.2 SUP.8/O.1 ORG.2.1/O.3 ORG.2.1/O.4 ORG.2.3/O.2 ORG.3/O.2 ORG.5	
SP 1.1-1 Establish the Project's Defined Process	PA3.1/2	
SP 1.2-1 Use Organizational Process Assets for Planning Project Activities	PA3.1/2 PA3.1/3 MAN.2/O.3 MAN.2/O.5 ORG.2.1/O.3 ORG.5/O.4	
SP 1.3-1 Integrate Plans	PA2.1/1 PA2.2/3 PA3.1/2 PA3.2/1 MAN.2/O.3 MAN.2/O.4 MAN.2/O.5 MAN.4/O.3 MAN.4/O.4 SUP.4/O.3 SUP.6/O.2 SUP.8/O.1 ORG.3/O.2 ORG.5/O.1	
SP 1.4-1 Manage the Project Using the Integrated Plans	PA3.1/2 PA3.1/3 PA3.1/4 PA3.2/2 MAN.2/O.6 MAN.2/O.7 ORG.5/O.2	
SP 1.5-1 Contribute to the Organization's Process Assets	ORG.2.1/O.4 ORG.2.3/O.2 ORG.5/O.3	

CMMI Text	Maps To	Comments
Integrated Project Management <i>Project Management</i>		
Practice to Goal Relationship Table		
SG 2 Coordinate and Collaborate with Relevant Stakeholders	MAN.2/O.4 MAN.2/O.5 MAN.2/O.6 MAN.2/O.7 SUP4./O.3 SUP.6 SUP.8/O.1 SUP.8/O.2	
SP 2.1-1 Manage Stakeholder Involvement	MAN.2/O.4 SUP.4/O.3 SUP.6/O.1 SUP.6/O.2 SUP.6/O.3 SUP.8/O.1	
SP 2.2-1 Manage Dependencies	MAN.2/O.4 MAN.2/O.5 MAN.2/O.6 MAN.2/O.7 SUP.6/O.1 SUP.6/O.2	
SP 2.3-1 Resolve Coordination Issues	SUP.6/O.3 SUP.6/O.4 SUP.8/O.2	

CMMI Text	Maps To	Comments
Risk Management		
<i>Project Management</i>		
Practice to Goal Relationship Table		
SG 1 Prepare for Risk Management	MAN.4/O.1	
	MAN.4/O.2	
	MAN.4/O.5	
SP 1.1-1 Determine Risk Sources and Categories	MAN.4/O.1	
	MAN.4/O.2	
SP 1.2-1 Define Risk Parameters	MAN.4/O.5	
SP 1.3-1 Establish a Risk Management Strategy	MAN.4/O.1	
	MAN.4/O.2	
SG 2 Identify and Analyze Risks	MAN.4/O.3	
	MAN.4/O.4	
SP 2.1-1 Identify Risks	MAN.4/O.3	
SP 2.2-1 Evaluate, Classify, and Prioritize Risks	MAN.4/O.4	
SG 3 Mitigate Risks	MAN.4/O.4	
	MAN.4/O.5	
	MAN.4/O.6	
	SUP.8/O.3	
SP 3.1-1 Develop Risk Mitigation Plans	MAN.4/O.4	
	MAN.4/O.5	
	MAN.4/O.6	
SP 3.2-1 Implement Risk Mitigation Plans	MAN.4/O.5	
	MAN.4/O.6	
	SUP.8/O.3	

CMMI Text	Maps To	Comments
Quantitative Project Management <i>Project Management</i> Practice to Goal Relationship Table SG 1 Quantitatively Manage the Project	PA4.1/1 PA4.1/3 PA4.2 MAN.3/O.1 MAN.3/O.2 MAN.3/O.3 MAN.3/O.4 ORG.2.1/O.2 ORG.2.1/O.3 ORG.2.2/O.4	
SP 1.1-1 Establish the Project's Objectives	PA4.1/1 MAN.3/O.1 MAN.3/O.2	
SP 1.2-1 Compose the Defined Process	PA4.1/1 PA4.1/3 PA4.2/1 ORG.2.1/O.2 ORG.2.1/O.3	
SP 1.3-1 Select the Subprocesses to be Managed	PA4.1/1 PA4.2/1 MAN.3/O.1 MAN.3/O.2	
SP 1.4-1 Manage Project Performance	PA4.1/3 PA4.2/2 PA4.2/3 ORG.2.2/O.4 MAN.3/O.3 MAN.3/O.4	
SG 2 Statistically Manage Subprocess Performance	PA4.1 PA4.2 MAN.3/O.3 MAN.3/O.4 MAN.3/O.5 ORG.2.1/O.4 ORG.5	
SP 2.1-1 Select Measures and Analytic Techniques	PA4.1/1 PA4.1/3 PA4.2/1 PA4.2/2 ORG.5/O.1 MAN.3/O.4	
SP 2.2-1 Apply Statistical Methods to Understand Variation	PA4.1/2 PA4.1/3 PA4.1/4 PA4.2/1 PA4.2/2 PA4.2/3 ORG.5/O.2 ORG.5/O.4 MAN.3/O.4 MAN.3/O.5	

CMMI Text	Maps To	Comments
Quantitative Project Management		
<i>Project Management</i>		
Practice to Goal Relationship Table		
SP 2.3-1 Monitor Performance of the Selected Subprocesses	PA4.1/3 PA4.1/4 PA4.2/2 PA4.2/3 ORG.5/O.2 ORG.5/O.3 ORG.5/O.4 MAN.3/O.4 MAN.3/O.5 SUP.8/O.3	
SP 2.4-1 Record Statistical Management Data	PA4.1/2 PA4.2/2 ORG.5/O.3 ORG.2.1/O.4	

CMMI Text	Maps To	Comments
Requirements Management <i>Engineering</i> Practice to Goal Relationship Table SG 1 Manage Requirements	CUS.3/O.1 CUS.3/O.2 CUS.3/O.3 CUS.3/O.5 CUS.3/O.6 ENG.1.1/O.3 ENG.1.1/O.5 ENG.1.1/O.6 ENG.1.2/O.1 ENG.1.2/O.5 ENG.1.2/O.6 ENG.1.2/O.7 ENG.1.3/O.4 ENG.1.4/O.3 ENG.1.5/O.6 MAN.2/O.1 MAN.2/O.2 MAN.2/O.3 MAN.2/O.5 MAN.2/O.7 MAN.3/O.3 MAN.3/O.4 MAN.3/O.5	
SP 1.1-1 Obtain an Understanding of Requirements	CUS.3/O.1 CUS.3/O.2	
SP 1.2-2 Obtain Commitment to Requirements	ENG.1.1/O.6 ENG.1.2/O.7	
SP 1.3-1 Manage Requirements Changes	MAN.2/O.2 CUS.3/O.2 CUS.3/O.3 CUS.3/O.5 CUS.3/O.6 ENG.1.1/O.5 ENG.1.1/O.6 ENG.1.2/O.5 ENG.1.2/O.7	
SP 1.4-2 Maintain Bi-directional Traceability of Requirements	ENG.1.1/O.3 ENG.1.2/O.1 ENG.1.2/O.6 ENG.1.3/O.4 ENG.1.4/O.3 ENG.1.5/O.6	
SP 1.5-1 Identify Inconsistencies between Project Work and Requirements	CUS.3/O.6 MAN.2/O.1 MAN.2/O.2 MAN.2/O.3 MAN.2/O.5 MAN.2/O.7 MAN.3/O.3 MAN.3/O.4 MAN.3/O.5	

CMMI Text	Maps To	Comments
Requirements Development <i>Engineering</i>		
Practice to Goal Relationship Table		
SG 1 Develop Customer Requirements	CUS.3/O.1 CUS.3/O.2 CUS.3/O.3 CUS.3/O.4	
SP 1.1-1 Collect Stakeholder Needs	CUS.3/O.3 CUS.3/O.4	
SP 1.1-2 Elicit Needs	CUS.3/O.1	
SP 1.2-1 Transform Stakeholder Needs, Expectations, Constraints, and Interfaces into Customer Requirements	CUS.3/O.2	
SG 2 Develop Product Requirements	CUS.3/O.6 ENG.1.1/O.1 ENG.1.1/O.3 ENG.1.1/O.5 ENG.1.2/O.1 ENG.1.2/O.3 ENG.1.2/O.6 ENG.1.3/O.2 ENG.1.3/O.4	
SP 2.1-1 Establish Product and Product Component Requirements	CUS.3/O.6 ENG.1.1/O.1 ENG.1.1/O.5 ENG.1.2/O.3 ENG.1.2/O.6 ENG.1.3/O.4	
SP 2.2-1 Allocate Product Component Requirements	ENG.1.1/O.3	
SP 2.3-1 Identify Interface Requirements	ENG.1.2/O.1 ENG.1.3/O.2	
SG 3 Analyze and Validate Requirements	CUS.3/O.1 CUS.3/O.4 ENG.1.1 ENG.1.2/O.1 ENG.1.2/O.2 ENG.1.2/O.4 ENG.1.2/O.6 ENG.1.2/O.7 ENG.1.3/O.4 SUP.5/O.5 MAN.2/O.2 MAN.2/O.3 MAN.4/O.2 MAN.4/O.3 MAN.4/O.4	
SP 3.1-1 Establish Operational Concepts and Scenarios	ORG.5/O.1 CUS.3/O.4 ENG.1.1/O.1 ENG.1.1/O.2 ENG.1.1/O.5	
SP 3.2-1 Establish a Definition of Required Functionality	ENG.1.1/O.2 ENG.1.1/O.3 ENG.1.2/O.1	

CMMI Text

Requirements Development*Engineering***Practice to Goal Relationship Table**

SP 3.3-1 Analyze Requirements

Maps To**Comments**

ENG.1.1/O.2

ENG.1.1/O.3

ENG.1.1/O.4

ENG.1.1/O.5

ENG.1.2/O.1

ENG.1.2/O.2

ENG.1.2/O.4

ENG.1.2/O.6

MAN.2/O.2

MAN.2/O.3

MAN.4/O.3

ORG.5/O.1

SP 3.4-3 Evaluate Product Cost, Schedule and Risk

MAN.4/O.2

MAN.4/O.3

MAN.4/O.4

SP 3.5-1 Validate Requirements

SUP.5/O.5

ENG1.2/O.2

SP 3.5-2 Validate Requirements with Comprehensive Methods

CUS.3/O.1

CUS.3/O.4

ENG.1.1/O.6

ENG.1.2/O.2

ENG.1.2/O.7

ENG.1.3/O.4

SUP.5/O.5

MAN.4/O.3

CMMI Text

Technical Solution*Engineering***Practice to Goal Relationship Table****SG 1 Select Product Component Solutions**

CMMI Text	Maps To	Comments
Technical Solution		
<i>Engineering</i>		
Practice to Goal Relationship Table		
SG 1 Select Product Component Solutions		
	CUS.3/O.6	
	ENG.1.1/O.2	
	ENG.1.1/O.3	
	ENG.1.1/O.4	
	ENG.1.2/O.3	
	ENG.1.2/O.4	
	ENG.1.2/O.6	
	ENG.1.3/O.1	
	ENG.1.3/O.4	
	ORG.2.1/O.1	
SP 1.1-1 Develop Alternative Solutions and Selection Criteria	ORG.2.1/O.1	
	ENG.1.1/O.2	
	ENG.1.2/O.3	
	ENG.1.3/O.1	
SP 1.1-2 Develop Detailed Alternative Solutions and Selection Criteria	CUS.3/O.6	
	ENG.1.1/O.2	
	ENG.1.1/O.4	
	ENG.1.2/O.4	
	ENG.1.3/O.1	
SP 1.2-2 Evolve Operational Concepts and Scenarios	ENG.1.2/O.6	
	ENG.1.3/O.4	
SP 1.3-1 Select Product Component Solutions	ENG.1.1/O.2	
	ENG.1.1/O.3	
	ENG.1.3/O.1	
SG 2 Develop the Design	PA.3.2/2	
	PA.3.2/3	
	ENG.1.1/O.1	
	ENG.1.1/O.2	
	ENG.1.3/O.2	
	ENG.1.3/O.3	
	ORG.4/O.1	
	ORG.4/O.2	
SP 2.1-1 Use Effective Design Methods	PA.3.2/2	
	PA.3.2/3	
	ORG.4/O.1	
	ORG.4/O.2	
SP 2.2-1 Develop a Technical Data Package	ENG.1.1/O.2	
	ENG.1.3/O.3	
SP 2.2-3 Establish a Complete Technical Data Package	ENG.1.1/O.2	
	ENG.1.3/O.3	
	ENG.1.4/O.1	
SP 2.3-1 Establish Interface Descriptions	ENG.1.1/O.1	
	ENG.1.3/O.2	
SP 2.3-3 Design Comprehensive Interface	ENG.1.1/O.1	
	ENG.1.3/O.2	
SP 2.4-3 Perform Make, Buy, or Reuse Analyses	Out of scope	This issue is not addressed in ISO 15504-

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CMMI Text	Maps To	Comments
Technical Solution <i>Engineering</i> Practice to Goal Relationship Table SG 3 Implement the Product Design	ENG.1/O.1 ENG.1/O.2 ENG.1/O.4 ENG.1.4/O.2 ENG.1.4/O.3 ENG.1.4/O.4	
SP 3.1-1 Implement the Design	ENG.1.4/O.2 ENG.1.4/O.3 ENG.1.4/O.4 SUP.4/O.3	
SP 3.2-1 Establish Product Support Documentation	ORG.4/O.1 ENG.1/O.1 ENG.1/O.2 ENG.1/O.4 ENG.2/O.3	

CMMI Text	Maps To	Comments
Product Integration		
<i>Engineering</i>		
Practice to Goal Relationship Table		
SG 1 Prepare for Product Integration	PA3.1/1 PA3.2/2 PA3.2/3 ENG.1.5/O.1 ENG.1.5/O.2 ENG.1.6/O.1 ENG.1.7/O.1 ENG.1.7/O.2 SUP.4/O.2 SUP.5/O.2 ORG.4	
SP 1.1-1 Establish a Product Integration Strategy	ENG.1.5/O.1 ENG.1.7/O.1	
SP 1.2-2 Establish the Product Integration Environment	PA3.2/2 PA3.2/3 ORG.4/O.1 ORG.4/O.2	
SP 1.3-3 Define Detailed Product Integration Procedures	PA.3.1/1 ENG.1.5/O.1 ENG.1.5/O.2 ENG.1.6/O.1 ENG.1.7/O.1 ENG.1.7/O.2 SUP.4/O.2 SUP.5/O.2	
SG 2 Ensure Interface Compatibility	ENG.1.5/O.1 ENG.1.5/O.4 ENG.1.5/O.6 ENG.1.5/O.7 ENG.1.6/O.2 ENG.1.6/O.4 ENG.1.7/O.1 ENG.1.7/O.3 ENG.1.7/O.4 ENG.1.7/O.6 ORG.5/O.3	
SP 2.1-1 Review Interface Descriptions for Completeness	ENG.1.5/O.4 ENG.1.6/O.2 ENG.1.7/O.3	
SP 2.2-1 Manage Interfaces	ENG.1.5/O.1 ENG.1.5/O.6 ENG.1.5/O.7 ENG.1.6/O.4 ENG.1.7/O.1 ENG.1.7/O.4 ENG.1.7/O.6 ORG.5/O.3	

CMMI Text	Maps To	Comments
Product Integration		
<i>Engineering</i>		
Practice to Goal Relationship Table		
SG 3 Assemble Product Components and Deliver the Product	ENG.1.5/O.3 ENG.1.5/O.4 ENG.1.5/O.5 ENG.1.6/O.2 ENG.1.6/O.3 ENG.1.7/O.3 ENG.1.7/O.4 ENG.1.7/O.5 CUS.2/O.4	
SP 3.1-1 Confirm Readiness of Product Components for Integration	ENG.1.5/O.4 ENG.1.6/O.2 ENG.1.7/O.3	
SP 3.2-1 Assemble Product Components	ENG.1.5/O.3 ENG.1.7/O.4	
SP 3.3-1 Checkout Assembled Product Components	ENG.1.5/O.4 ENG.1.5/O.5 ENG.1.6/O.2 ENG.1.6/O.3 ENG.1.7/O.4 ENG.1.7/O.5	
SP 3.4-1 Package and Deliver the Product or Product Component	CUS.2/O.4	

CMMI Text

Validation*Engineering***Practice to Goal Relationship Table****SG 1 Prepare for Validation**

SP 1.1-1 Establish a Validation Strategy

SP 1.2-2 Establish the Validation Environment

SP 1.3-3 Define Detailed Validation Procedures

SG 2 Validate Product or Product Components

SP 2.1-1 Perform Validation

SP 2.2-1 Capture and Analyze Validation Results

Maps To**Comments**SUP.5/O.1
SUP.5/O.2
SUP.5/O.3
ORG.4/O.1
ORG.4/O.2SUP.5/O.1
SUP.5/O.2SUP.5/O.3
ORG.4/O.1
ORG.4/O.2SUP.5/O.1
SUP.5/O.2
SUP.5/O.3SUP.5/O.3
SUP.5/O.4
SUP.5/O.5
SUP.5/O.6SUP.5/O.3
SUP.5/O.4
SUP.5/O.5
SUP.5/O.6

The mapping to outcome two is weak.

Mapping to outcome four covers
identification of defects only.

CMMI Text	Maps To	Comments
Verification		
<i>Engineering</i>		
Practice to Goal Relationship Table		
SG 1 Prepare for Verification	ENG.1.5/O.1 ENG.1.5/O.2 ENG.1.7/O.1 ENG.1.7/O.2 SUP.4/O.1 SUP.4/O.2 ORG.4/O.1 ORG.4/O.2	
SP 1.1-1 Establish a Verification Strategy	SUP.4/O.1 SUP.4/O.2	
SP 1.2-2 Establish the Verification Environment	SUP.4/O.1 ORG.4/O.1 ORG.4/O.2	
SP 1.3-3 Establish Detailed Verification Plans	PA2.1/1 PA2.1/2 PA3.2/2 ENG.1.5/O.1 ENG.1.5/O.2 ENG.1.7/O.1 ENG.1.7/O.2 ORG.4/O.1	
SG 2 Perform Peer Reviews	SUP.4 ORG.5/O.2	
SP 2.1-1 Prepare for Peer Reviews	SUP.4/O.1 SUP.4/O.2 SUP.4/O.3	
SP 2.2-1 Conduct Peer Reviews	SUP.4/O.3 SUP.4/O.4 SUP.4/O.5	
SP 2.3-2 Analyze Peer Review Data	ORG.5/O.2	
SG 3 Verify Selected Work Products	SUP.4/O.1 SUP.4/O.2 SUP.4/O.3 SUP.4/O.4 ENG.1.5/O.7 ENG.1.5/O.8 ENG.1.6/O.4 ENG.1.6/O.5 ENG.1.7/O.6 ENG.1.7/O.7	
SP 3.1-1 Perform Verification	SUP.4/O.3 SUP.4/O.4	
SP 3.2-2 Analyze Verification Results and Identify Corrective Action	SUP.4/O.3 SUP.4/O.4	
SP 3.3-1 Perform Re-Verification	SUP.4/O.1 SUP.4/O.2 SUP.4/O.3 ENG.1.5/O.7 ENG.1.5/O.8 ENG.1.6/O.4 ENG.1.6/O.5 ENG.1.7/O.6 ENG.1.7/O.7	

CMMI Text	Maps To	Comments
Configuration Management		
<i>Support</i>		
Practice to Goal Relationship Table		
SG 1 Establish Baselines		
SP 1.1-1 Identify Configuration Items	SUP.2	
SP 1.2-1 Establish a Configuration Management System	SUP.2/O.2	
	SUP.2/O.1	
	SUP.2/O.3	
	SUP.2/O.4	
	SUP.2/O.5	
	SUP.2/O.6	
SP 1.3-1 Create or Release Baselines	SUP.2/O.2	
	SUP.2/O.3	
	SUP.2/O.4	
	SUP.2/O.5	
	SUP.2/O.6	
SG 2 Track and Control Changes		
	PA2.2/5	
	SUP.2/O.3	
	SUP.2/O.4	
	SUP.2/O.5	
SP 2.1-1 Track Changes	SUP.2/O.3	
	SUP.2/O.4	
	SUP.6/O.2	
SP 2.2-1 Control Changes	PA2.2/5	
	SUP.2/O.3	
	SUP.2/O.5	
SG 3 Establish Integrity		
	SUP.2/O.1	
	SUP.2/O.2	
	SUP.2/O.4	
	SUP.2/O.5	
	SUP.7/O.3	
SP 3.1-1 Establish Configuration Management Records	SUP.2/O.2	
	SUP.2/O.4	
SP 3.2-1 Perform Configuration Audits	SUP.2/O.1	
	SUP.2/O.4	
	SUP.2/O.5	
	SUP.7/O.3	

CMMI Text	Maps To	Comments
Process and Product Quality Assurance		
<i>Support</i>		
Practice to Goal Relationship Table		
SG 1 Objectively Evaluate Processes and Work Products	SUP.3/O.1 SUP.3/O.3 SUP.3/O.4 SUP.4/O.2 SUP.4/O.3 SUP.5/O.2 SUP.5/O.3 SUP.7	SUP.3/O.2 is not included in this mapping, see SG2 below.
SP 1.1-1 Objectively Evaluate Processes	SUP.3/O.1 SUP.3/O.4 SUP.7/O.1 SUP.7/O.2 SUP.7/O.3 SUP.7/O.4 SUP.7/O.5	
SP 1.2-1 Objectively Evaluate Work Products and Services	SUP.3/O.1 SUP.3/O.3 SUP.3/O.4 SUP.4/O.2 SUP.4/O.3 SUP.5/O.2 SUP.5/O.3 SUP.7/O.1 SUP.7/O.2 SUP.7/O.3 SUP.7/O.5	
SG 2 Provide Objective Insight	SUP.3/O.2 SUP.6/O.1 SUP.6/O.2 SUP.6/O.3 SUP.6/O.4 SUP.7/O.5 SUP.8/O.1 SUP.8/O.2 SUP.8/O.3	
SP 2.1-1 Communicate and Ensure Resolution of Noncompliance Issues	SUP.6/O.1 SUP.6/O.2 SUP.6/O.3 SUP.6/O.4 SUP.7/O.5 SUP.8/O.1 SUP.8/O.2 SUP.8/O.3	
SP 2.2-1 Establish Records	SUP.3/O.2	

CMMI Text	Maps To	Comments
Measurement and Analysis		
<i>Support</i>		
Practice to Goal Relationship Table		
SG 1 Align Measurement and Analysis Activities		
SP 1.1-1 Establish Measurement Objectives	ORG.5	
SP 1.2-1 Specify Measures	ORG.5/O.1	
SP 1.3-1 Specify Data Collection and Storage Procedures	ORG.5/O.1	
	ORG.5/O.3	
SP 1.4-1 Specify Analysis Procedures	ORG.5/O.1	
	ORG.5/O.2	
	ORG.5/O.4	
SG 2 Provide Measurement Results		
	ORG.5/O.2	
	ORG.5/O.3	
	ORG.5/O.4	
SP 2.1-1 Collect Measurement Data	ORG.5/O.2	
SP 2.2-1 Analyze Measurement Data	ORG.5/O.2	
SP 2.3-1 Store Data and Results	ORG.5/O.2	
	ORG.5/O.3	
	ORG.5/O.4	
SP 2.4-1 Communicate Results	ORG.5/O.4	

CMMI Text	Maps To	Comments
Decision Analysis and Resolution <i>Support</i> Practice to Goal Relationship Table SG 1 Evaluate Alternatives	Out of scope	It is not possible to establish any specific elements in 15504-2 that relate sufficiently and explicitly enough to this Process Are to enable any mapping to be established. While it is possible to see some of the issues addressed in DAR in some aspects of design and construction, they are not explicit, and also it is clear from the CMMI that the scope of application of DAR should be wider than just to technical decisions.
SP 1.1-1 Establish and Use Guidelines for Decision Analysis		A "decision making process" is listed as a Project Management Process in the latest draft of ISO 15288 and it might be reasonable to see DAR as limited to systems-level decisions. Mapping to 15288 can be performed.
SP 1.2-1 Select Evaluation Techniques		
SP 1.3-1 Establish Evaluation Criteria		
SP 1.4-1 Identify Proposed Alternatives		
SP 1.5-1 Evaluate Alternatives		
SP 1.6-1 Select Solutions		