

Task Name/Purpose	Inputs	Elements	Guidelines and Tools	Techniques		Stakeholders	Outputs
<b>7.1 Specify and Model Requirements</b> <i>Analyze, synthesize, and refine elicitation results into requirements and designs</i>	Elicitation Results (any state)(4.2, 4.3)	1. Model Requirements 2. Analyze Requirements 3. Represent Requirements and Attributes 4. Implement the Appropriate Levels of Abstraction	<ul style="list-style-type: none"> <li>• Modelling Notations/Standards</li> <li>• Modelling Tools</li> <li>• Requirements Architecture (7.4)</li> <li>• Requirements Life Cycle Management Tools</li> <li>• Solution Scope (6.4)</li> </ul>	<ul style="list-style-type: none"> <li>• Acceptance and Evaluation Criteria (10.1)</li> <li>• Business Capability Analysis (10.6)</li> <li>• Business Model Canvas (10.8)</li> <li>• Business Rules Analysis (10.9)</li> <li>• Concept Modelling (10.11)</li> <li>• Data Dictionary (10.12)</li> <li>• Data Flow Diagrams (10.13)</li> <li>• Data Modelling (10.15)</li> <li>• Decision Modelling (10.17)</li> <li>• Functional Decomposition (10.22)</li> <li>• Glossary (10.23)</li> <li>• Interface Analysis (10.24)</li> </ul>	<ul style="list-style-type: none"> <li>• Non-Functional Requirements Analysis(10.30)</li> <li>• Org. Modelling (10.32)</li> <li>• Process Modelling (10.35)</li> <li>• Prototyping (10.36)</li> <li>• Roles and Permissions Matrix (10.39)</li> <li>• Root Cause Analysis (10.40)</li> <li>• Scope Modelling (10.41)</li> <li>• Sequence Diagrams (10.42)</li> <li>• Stakeholder List, Map, or Personas (10.43)</li> <li>• State Modelling (10.44)</li> <li>• Use Cases and Scenarios (10.47)</li> <li>• User Stories (10.48)</li> </ul>	Any stakeholder	Requirements (specified and modelled)
<b>7.2 Verify Requirements</b> <i>Ensure that requirements and designs specifications and models meet quality standards and are usable for the purpose they serve</i>	<ul style="list-style-type: none"> <li>• Requirements (specified and modelled) (7.1)</li> </ul>	1.Characteristics of Requirements and Designs Quality 2.Verification Activities 3.Checklists	<ul style="list-style-type: none"> <li>• Requirements Life Cycle Management Tools</li> </ul>	<ul style="list-style-type: none"> <li>• Acceptance and Evaluation Criteria (10.1)</li> <li>• Item Tracking (10.26)</li> <li>• Metrics and KPIs (10.28)</li> <li>• Reviews (10.37)</li> </ul>		All stakeholders	Requirements (verified)
<b>7.3 Validate Requirements</b> <i>Ensure that all requirements and designs align to the business requirements and support the delivery of needed value</i>	<ul style="list-style-type: none"> <li>• Requirements (specified and modelled) (7.1)</li> </ul>	1. Identify Assumptions 2. Define Measurable Evaluation Criteria 3. Evaluate Alignment with Solution Scope	<ul style="list-style-type: none"> <li>• Business Objectives (6.2)</li> <li>• Future State Description (6.2)</li> <li>• Potential Value (6.2)</li> <li>• Solution Scope (6.4)</li> </ul>	<ul style="list-style-type: none"> <li>• Acceptance and Evaluation Criteria (10.1)</li> <li>• Document Analysis (10.18)</li> <li>• Fin. Analysis (10.20)</li> <li>• Item Tracking (10.26)</li> <li>• Metrics and KPIs (10.28)</li> <li>• Reviews (10.37)</li> <li>• Risk Analysis and Management (10.38)</li> </ul>		All stakeholders	Requirements (validated)

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<b>7.4 Define Requirements Architecture</b> <i>Ensure that the requirements collectively support one another to fully achieve the objectives</i>	<ul style="list-style-type: none"> <li>Information Management Approach (3.4)</li> <li>Requirements (any state) (4.2, 4.3)</li> <li>Solution Scope (6.4)</li> </ul>	<ol style="list-style-type: none"> <li>Requirements Viewpoints and Views</li> <li>Template Architectures</li> <li>Completeness</li> <li>Relate and Verify Requirements Relationships</li> <li>Business Analysis Information Architecture</li> </ol>	<ul style="list-style-type: none"> <li>Architecture Management Software</li> <li>Legal/Regulatory Information</li> <li>Methodologies and Frameworks</li> </ul>	<ul style="list-style-type: none"> <li>Data Modelling (10.15)</li> <li>Functional Decomposition (10.22)</li> <li>Interviews (10.25)</li> <li>Org. Modelling (10.32)</li> <li>Scope Modelling (10.41)</li> <li>Workshops (10.50)</li> </ul>		<ul style="list-style-type: none"> <li>DSME</li> <li>ISME</li> <li>PM</li> <li>Sponsor</li> <li>Tester</li> </ul> <p>Any Stakeholder</p>	Requirements Architecture
<b>7.5 Define Change Strategy</b> <i>Define the solution approach, identify opportunities to improve the business, allocate requirements across solution components, and represent design options that achieve the desired future state</i>	<ul style="list-style-type: none"> <li>Change Strategy (6.4)</li> <li>Requirements (validated, prioritized) (5.3, 7.3)</li> <li>Requirements Architecture (7.4)</li> </ul>	<ol style="list-style-type: none"> <li>Define Solution Approaches</li> <li>Identify Improvement Opportunities</li> <li>Requirements Allocation</li> <li>Describe Design Options</li> </ol>	<ul style="list-style-type: none"> <li>Existing Solutions</li> <li>Future State Description (6.2)</li> <li>Requirements (traced) (5.1)</li> <li>Solution Scope (6.4)</li> </ul>	<ul style="list-style-type: none"> <li>Benchmarking and Market Analysis (10.4)</li> <li>Brainstorming (10.5)</li> <li>Document Analysis (10.18)</li> <li>Interviews (10.25)</li> <li>Lessons Learned (10.27)</li> <li>Mind Mapping (10.29)</li> <li>Root Cause Analysis (10.40)</li> <li>Survey or Questionnaire (10.45)</li> <li>Vendor Assessment (10.49)</li> <li>Workshops (10.50)</li> </ul>		<ul style="list-style-type: none"> <li>DSME</li> <li>ISME</li> <li>Operational Support</li> <li>PM</li> <li>Supplier</li> </ul>	Design Options
<b>7.6 Analyze Potential Value and Recommend Solution</b> <i>Estimate the potential value for each design option and to establish which one is most appropriate to meet the enterprise's requirements</i>	<ul style="list-style-type: none"> <li>Potential Value (6.2)</li> <li>Design Options (7.5)</li> </ul>	<ol style="list-style-type: none"> <li>Expected Benefits</li> <li>Expected Costs</li> <li>Determine Value</li> <li>Assess Design Options and Recommend Solution</li> </ol>	<ul style="list-style-type: none"> <li>Business Objectives (6.2)</li> <li>Current State Description (6.1)</li> <li>Future State Description (6.2)</li> <li>Risk Analysis Results (6.3)</li> <li>Solution Scope (6.4)</li> </ul>	<ul style="list-style-type: none"> <li>Acceptance and Evaluation Criteria (10.1)</li> <li>Backlog Management (10.2)</li> <li>Brainstorming (10.5)</li> <li>Business Cases (10.7)</li> <li>Bus. Model Canvas (10.8)</li> <li>Decision Analysis (10.16)</li> <li>Estimation (10.19)</li> </ul>	<ul style="list-style-type: none"> <li>Fin. Analysis (10.20)</li> <li>Focus Group (10.21)</li> <li>Interviews (10.25)</li> <li>Metrics and KPIs (10.28)</li> <li>Risk Analysis and Management (10.38)</li> <li>Survey or Questionnaire (10.45)</li> <li>SWOT Analysis (10.46)</li> <li>Workshops (10.50)</li> </ul>	<ul style="list-style-type: none"> <li>Customer</li> <li>DSME</li> <li>End User</li> <li>ISME</li> <li>PM</li> <li>Regulator</li> <li>Sponsor</li> </ul>	Solution Recommendation