SA&V — SOLUTION ASSESSMENT & VALIDATION

Describes the tasks that are performed by a BA to ensure that solutions meet the identified business need and to facilitate their successful implementation. These activities may be performed to assess and validate any component of the [proposed or deployed] solution.

Top input artifacts (left):
- Assumptions & Constraints
- Reqs
- Solution Scope
- Enterprise Architecture
- Solution (Build, Designed or Deployed)
- Solution Options
- Stakeholder Concerns
- Solution Performance Metrics

Top output artifacts (right):
- Assessment of Proposed Solution
- Identified Defects
- Mitigating Actions
- Enterprise Architecture
- Org. Readiness Assessment
- Reqs (Allocated)
- Solution Performance Assessment
- Solution Validation Assessment

Assess Proposed Solution

Stakeholders:
- Domain & Implementation SMEs
- Operational Support
- Project Manager
- Supplier
- Sponsor

Inputs:
- **Assumptions & Constraints (RA)**
- **Reqs [Prioritized] (RA)**
- **Reqs [Approved] (RM&C)**
- Solution Options

Techniques:
- Rank Solution Options
- Identify Additional Potential Capabilities
- Acceptance & Evaluation Criteria Definition
- Decision Analysis
- Vendor Assessment

Outputs:
- Solution Selection or Design
- Assessment Results

Allocate Reqs

Stakeholders:
- Customer, End User
- Domain & Implementation SMEs
- Tester
- Sponsor
- Project Manager

Inputs / Outputs:
- Communicate Reqs (RM&C)
- Reqs [Allocated]
- Solution [Designed]
- **Reqs (Prioritized) (RA)**
- **Reqs [Approved] (RM&C)**
- **Solution Scope (EA)**

Techniques:
- Solution Components
- Release Planing
- Acceptance & Evaluation Criteria Definition
- Business Rules Analysis
- Decision Analysis
- Functional Decomposition
- Process Modelling
- Scenarios & Use Cases

Assess Org. Readiness

Stakeholders:
- Operational Support
- Domain & Implementation SMEs
- Project Manager
- Sponsor

Inputs:
- **Stakeholder Concerns (RE)**
- Enterprise Architecture
- Solution [Designed]
- **Solution Scope (EA)**

Techniques:
- Cultural Assessment
- Operational/Technical Assessment
- Stakeholder Impact Analysis
- Acceptance & Evaluation Criteria Definition
- Data Flows Diagrams
- Focus Groups, Interviews, Surveys
- Force Field Analysis
- Org. Modelling
- Problem Tracking
- Risk Analysis
- SWOT Analysis

Outputs:
- Assessment Results

Define Transition Reqs

Inputs:
- **Communicate Reqs (RM&C)**
- **Prioritize Reqs (RA)**
- **Verify Reqs (RA)**
- Transition Reqs
- **Reqs [Stated] (RE)**
- Solution [Designed]
- Solution [Deployed]

Stakeholders:
- Customer, End User
- Operational Support
- Project Manager
- Tester, Sponsor, Regulator
- Domain, Implementation SMEs

Elements/Techniques:
- Data
- Ongoing Work
- Org. Change
- Business Rules Analysis
- Data Flow Diagrams
- Data Modelling
- Process Modelling
- Org. Modelling

Validate Solution

Inputs:
- Solution [Constructed]
- **Reqs [Prioritized] (RA)**
- **Reqs [Validated] (RA)**

Techniques:
- Investigate Defective Solution Outputs
- Assess Defects & Issues
- Acceptance & Evaluation Criteria Definition
- Root Cause Analysis
- Problem Tracking

Stakeholders:
- Domain & Implementation SMEs
- Operational Support
- Project Manager
- Regulator
- Sponsor
- End User, Tester

Outputs:
- Identified Defects
- Solution Validation Assessment
- Mitigating Actions
- Solution Performance Assessment Results

Evaluate Solution Performance

Inputs:
- Solution Performance Metrics
- **Business Reqs [Any] (RE, RA, RM&C)**
- Solution [Deployed]

Techniques:
- Evaluate Value Delivered by Solution
- Validate Solution Metrics
- Evaluate Solution Replacement or Elimination
- Decision Analysis
- Focus Groups
- Observations
- Survey/Questionnaire

Stakeholders:
- Domain SME & Supplier
- Customer, End User
- Operational Support
- Regulator
- Sponsor

Outputs:
- Assess Capability Gaps (EA)
- Solution Implementation

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