

## Process Overview: Design

This Process describes the detailed system elements and the specific technical environment for the system. It includes identification, verification, review, validation, and approval by all involved parties. This process is performed primarily by the BA, the Technical Leads and the developer with the assistance of the Application Architect and the QA.

The Design process involves the development of the Functional Specification document (FSD) and the technical design document (TDD).

### **Purpose of the Functional Specification Document (FSD)**

To further refine each requirement in the approved requirements document to identify all considerations needed to complete the Technical Design Document (TDD). This includes system functionality, development assumptions, system performance, data mapping, reporting, data retention, **security**, role mapping, application control, detailed functional and user requirements, and an outline of the unit test plan

### **Purpose of the Technical Design Document (TDD)**

To complete the design as outlined in the Functional Specification document (FSD) in preparation for the Development or build phase. The TDD includes an outline of the test case scenarios

**Note: The Project Manager oversees the overall process.**

## Design Inputs and Outputs

<b><u>Entry Criteria:</u></b> <ul style="list-style-type: none"><li>Approved Requirement Phase</li></ul>	<b><u>Inputs:</u></b> <ul style="list-style-type: none"><li>Approved Business Requirements Document</li><li>RACI</li><li>Risk /Issue Logs</li><li>Test Strategy</li><li><b>Business</b> Use Case</li><li>Project Plan</li><li>Procurement plan (If applicable)</li></ul>	<b><u>Participants:</u></b> <ul style="list-style-type: none"><li>Project Manager</li><li>BA</li><li>QA (Tester)</li><li>Developer</li><li>Architect</li><li>Subject Matter Experts</li><li>Sponsor Representative</li><li>Security (If applicable)</li><li>Change coordinator</li><li>Marketing Communication and Training (If applicable)</li></ul>
<b><u>Process Steps:</u></b> <ol style="list-style-type: none"><li>Project Manager kicks off Design (first part of Execution Phase) Phase with project team</li><li>BA creates the Functional Specification document (FSD)</li><li>Project Manager and BA verify and evaluate the FSD with Sponsor/Representative</li><li>The BA updates FSD and repeats step 3 if applicable (If the FSD updates results in changing requirements then the change process should be followed)</li><li>Technical Lead creates the Technical design document (TDD) with the assistance of the BA and developer</li><li><b>Project Manager and Tech Lead verify and evaluate the TDD with Architect if necessary (Need help to define "necessary")</b></li><li>BA and QA update the test plan</li></ol>		

8. Security assessment (if applicable)
9. PM uploads Documents to Repository

**Outputs:**

- Functional Specification Doc (FSD)
- Technical Design Document (TDD)
- Updated

**Exit Criteria:**

- Approved FSD
- Completed TDD?