

## Quality Policy

Clariti Systems key objective is to deliver the highest possible quality projects and solutions that meet or exceed customer expectations. Quality, to Clariti Systems, is not a mere business generating strategy but a standard to be practiced by everyone in the company. Clariti's Quality Management Systems are based on the best of industry standards. Moreover the quality management concept evolves from practical on-the-job lessons and the company's strategy. Its implementation is effectively managed through a comprehensive, practical and well-designed process. Constant review and audit of this system ensures its applicability and use throughout the company.

Quality Management is implemented in every project that we undertake, right from the conception through various stages of execution. Our process and methodologies are constantly monitored, updated to keep pace with the new innovations in technology and customer's needs.

Our entire development process is broadly divided into following modules:

- ✓ **PROJECT COMMENCEMENT**
- ✓ **REQUIREMENT ANALYSIS & HIGH LEVEL DESIGN**
- ✓ **LOW LEVEL DESIGN**
- ✓ **CONSTRUCTION**
- ✓ **TESTING**
- ✓ **ACCEPTANCE**

## PROJECT COMMENCEMENT

### Phase Description

Project commencement is first Phase of the Project. It creates the framework for Project execution. The Operational Process for the Project is defined and the Plan for managing the Project is established.

### Entry Criteria

- ✓ Contract for project has been received from the client.
- ✓ Tasks Initiate Project
- ✓ Analyze request for proposal and Prepare Estimates
- ✓ Establish / Review Capability Baseline
- ✓ Prepare Software Project Plan
- ✓ Review and Update Project Plan
- ✓ Setup Environment
- ✓ Induct Project Team
- ✓ Review Project
- ✓ Metric Definition, Capture and Reporting
- ✓ Review Phase Deliverables, Approve and Release
- ✓ Causal Analysis

### Validation And Verification

- ✓ Review Contract
- ✓ Review Software Project Plan

### Exit Criteria

- ✓ Software Project Plan has been approved and released
- ✓ Planned Project Metrics is available
- ✓ Phase Deliverables
- ✓ Software Project Plan Top
- ✓ Planned metric

## REQUIREMENT ANALYSIS & HIGH LEVEL DESIGN

### Phase Description

The purpose of this phase is to arrive at a proposed solution to meet the user requirements in terms of software characteristics and to design the overall functioning of the proposed system and to establish the functional and physical rules and guidelines governing the system as a whole.

The user requirements are arrived at based on a study of the existing system in place and discussion with users. These are analyzed to define the scope, purpose and key issues of the proposed system. This is the phase where input and output formats are also finalized. The functional standards of the system should be presented in the documentation in a manner, which could be easily understood by the users as well as by the project teams. The users must be able to approve the design presented in the document. The project team must be able to perform the subsequent phases based on this documentation. Additional document delivered to the client in this phase is the system design document, which contains Functional Data Model and Functional Process Model. Functional Specification document is finalized and sign-off obtained before proceeding with the Low Level Design phase. No Approval on prototype is taken from the client.

### Entry Criteria

Software Project Plan is available

### Tasks

- ✓ Plan and Prepare for Phase Execution
- ✓ Conduct Task kick-off meeting
- ✓ Study Existing System and Define User Requirement
- ✓ Prepare Conceptual Data and Process Model
- ✓ Review and Update Models
- ✓ Prepare Functional Specifications
- ✓ Review and Update Functional Specifications
- ✓ Develop Prototype
- ✓ Setup Environment
- ✓ Review Project
- ✓ Review and Update Project Plan
- ✓ Metric Definition, Capture and Reporting
- ✓ Review Phase Deliverables, Approve and Release
- ✓ Perform Final Inspection and Delivery
- ✓ Causal Analysis

## Validation And Verification

- ✓ Review Conceptual Data Model
- ✓ Review Conceptual Process Model
- ✓ Review Functional Data Model
- ✓ Review Functional Process Model
- ✓ Review Functional Specifications
- ✓ Review Prototype
- ✓ Review Updated Software Project Plan

## Exit Criteria

- ✓ Approved Functional Specification Document is available
- ✓ Approved System Design Document (Functional Data Model and Functional Process Model) is available.
- ✓ Updated Software Project Plan is available
- ✓ Updated Metrics are available

## Phase Deliverables

- ✓ Functional Specifications Document
- ✓ System Design Document (Functional Data Model and Functional Process Model)
- ✓ Prototype (Internal Project Team only)
- ✓ Updated Software Project Plan
- ✓ Updated Metric

## LOW LEVEL DESIGN

### Phase Description

The purpose of the Low Level Design Phase is to produce a detailed design of the software components based on the High Level Design. The Specifications for various software components of the system are written during the Phase.

### Entry Criteria

- ✓ Software Project Plan is available
- ✓ Approved Functional Specification Document is available
- ✓ Reviewed System Design Document is available

### Tasks

- ✓ Plan and prepare for Phase Execution
- ✓ Conduct Task Kick off Meeting
- ✓ Prepare Physical Data Model
- ✓ Review & Update Models
- ✓ Prepare Program Specifications
- ✓ Review and Update Program Specifications
- ✓ Prepare Integration Test Cases and Test Data
- ✓ Review and Update Integration Test Cases and Test Data
- ✓ Prepare Functional Test Cases, Test Data
- ✓ Review and Update Functional Test Cases, Test Data. Setup Environment
- ✓ Review Project
- ✓ Review and Update Project Plan
- ✓ Metric Definition, Capture and Reporting
- ✓ Review Phase Deliverables, Approve and Release
- ✓ Perform Final Inspection and Delivery
- ✓ Causal Analysis

### Validation And Verification

- ✓ Review Program Specification
- ✓ Review Physical Data Model
- ✓ Review Unit Test Cases, test data
- ✓ Review Integration Test Cases, test data
- ✓ Review Functional Test Cases, test data
- ✓ Review Updated Software Project Plan Exit Criteria
- ✓ Program Specifications are released
- ✓ Unit Test Cases and data are released
- ✓ Integration Test Cases and data are released
- ✓ Functional Test Cases and data are released
- ✓ Updated Software Project Plan is released
- ✓ Updated Metrics are available
- ✓ Updated Functional Specification Document
- ✓ Updated System Design Document

## Phase Deliverables

- ✓ Program Specifications
- ✓ Physical Data Model
- ✓ Unit Test Cases & Test Data
- ✓ Integration Test Cases & Test Data
- ✓ Functional Test Cases & Test Data
- ✓ Updated Software Project Plan
- ✓ Updated Metrics

## CONSTRUCTION

### Phase Description

The purpose of the system Construction Phase is to produce the software components. It uses the outputs of the Low Level Design to produce Unit Tested software items.

### Entry Criteria

- ✓ Software Project Plan is available
- ✓ Functional Specification and Low Level Design documents are available
- ✓ Unit Test Cases and data are available

### Tasks

- ✓ Plan and prepare for Phase Execution
- ✓ Conduct Task Kick off Meeting
- ✓ Prepare Program Code
- ✓ Review and Update Program Code
- ✓ Conduct Unit Testing
- ✓ Setup Environment
- ✓ Review Project
- ✓ Review and Update Project Plan
- ✓ Metric Definition, Capture and Reporting
- ✓ Review Phase Deliverables, Approve and Release
- ✓ Causal Analysis

### Validation And Verification

- ✓ Review Program Code
- ✓ Review Unit Test Results
- ✓ Review Updated Software Project Plan Exit Criteria
- ✓ Reviewed and Unit Tested Program Code is available
- ✓ Updated Unit Test Cases are available
- ✓ Updated Software Project Plan is available
- ✓ Updated Metrics is available Phase Deliverables
- ✓ Unit Tested Program Code
- ✓ Updated Unit Test Cases and data
- ✓ Updated Software Project Plan
- ✓ Updated Metrics

## TESTING

### Phase Description

Purpose of this Phase is to test the software component for integrated functionality of different modules. This Phase is recursive and is to be repeated, as many times as there are levels of testing.

### Entry Criteria

- ✓ Software Project Plan is available
- ✓ Successfully Unit Tested Code is available
- ✓ High Level Design and Low Level Design documents are available
- ✓ Integration and Functional test cases and test data are available

### Tasks

- ✓ Plan and prepare for Phase execution
- ✓ Conduct Task Kick off Meeting
- ✓ Conduct Integration Testing
- ✓ Conduct Functional Testing
- ✓ Prepare User Documents
- ✓ Review and Update User Documents
- ✓ Setup environment
- ✓ Review Project
- ✓ Review and Update Project Plan
- ✓ Metric Definition, Capture and Reporting
- ✓ Review Phase Deliverables, Approve and Release
- ✓ Perform Final Inspection and Delivery
- ✓ Causal Analysis

### Validation And Verification

- ✓ Review Integration Test Results
- ✓ Review Functional Test Results
- ✓ Review Updated Software Project Plan
- ✓ Review User Documentation Exit Criteria
- ✓ Tested System is released
- ✓ Updated Integration Test Cases and Test data are available
- ✓ Updated Functional Test Cases and Test data are available
- ✓ User Documentation is available
- ✓ Updated Software Project Plan is available
- ✓ Updated Metrics are available as Phase Deliverables
- ✓ Test results
- ✓ User Documentation
- ✓ Updated Software Project Plan
- ✓ Updated Metrics

## ACCEPTANCE

### Phase Description

Based on the pre-defined Acceptance criteria, the Client conducts the Acceptance Test during this Phase. The Project Team if required by the Contract provides support.

### Entry Criteria

- ✓ Successfully Functional Tested software is available
- ✓ Software Project Plan is available
- ✓ Acceptance Test Plan is available
- ✓ User documents are available

### Tasks

- ✓ Plan and Prepare for Phase Execution
- ✓ Conduct Task kick-off Meeting
- ✓ Organize and Conduct User Training
- ✓ Review and update User Documents
- ✓ Provide Support for Acceptance
- ✓ Review and Update Program Specifications
- ✓ Review Project
- ✓ Review and Update Project Plan
- ✓ Metric Definition, Capture and Reporting
- ✓ Causal Analysis
- ✓ Obtain Project Sign-off

### Validation And Verification

- ✓ Review updated Software Project Plan
- ✓ Review Updated User Documents
- ✓ Review User Training Material
- ✓ Review Program Specifications Exit Criteria
- ✓ Accepted System is available
- ✓ Acceptance letter is obtained from the Client
- ✓ Updated User Documentation is available
- ✓ Updated Program Specification are available
- ✓ Updated Project Documents are available
- ✓ Updated Metrics are available Phase Deliverables
- ✓ Acceptance Letter
- ✓ Updated Program Specifications
- ✓ Updated Project documents
- ✓ Updated Software Project Plan
- ✓ Updated Metrics