Offshore Development Model

MIND

A CMM Level 5 Company

INPUT	PROCESS						OUTPUT

SOFTWARE DEVELOPMENT PROCESS (vertical label)

| Project Initiation Kit (PIK) | Project Management | Preparation of PMP | Preparation of Schedule and PMBOW | Review by PM | Review by SQAR | Closure of the review finding |

1. PMP document.
2. PMBOW.
3. Schedule (Excel/ MPP).
4. Review Report by the PM/PHOD.
5. Review Report by SQAR.
6. Approval mail from PHOD.
7. PMP & schedule should be in the VSS baseline.

Baseline the PMP ← Approval by PHOD

| Concept / Proposal / Requirements from the customer in the form of Mail / Document | Requirement Analysis | Preparation of Gap / SRS / RD Document | Review by PM | Closure of the review findings & approval by PHOD | PDN (as per Mind's format) for SRS/ RD |

1. Approved SRS.
2. Review Reports.
3. PDN.
4. Traceability Matrix Initiation.

Customer sign-off ← Delivery of SRS ← Baseline the SRS

| Gaps / RFC / Requirement Definition / SRS | Software Design | Design preparation in the form of SDD, ED/ ID, PS | Peer Review of Design Documents & Review Reports preparation. | Closure of the review findings & approval | Traceability Matrix Updation |

1. SDD.
2. Review Reports.
3. Updated Traceability Matrix.

Customer sign-off ← PDN for Design Document ← Baseline the Design Documents

| Requirement document, Design Unit Test Cases Coding standards | Source Coding | UTC Preparation/ Updation | Code as per base lined SDD/ PS and conduct Code Walkthrough | Review report preparation | Closure of review findings & Approval | Update the Traceability Matrix & baseline the code |

1. Code Files
2. Review Reports.
3. Updated Traceability Matrix.

| Unit & Integration Test cases | Testing | Unit testing Execution as per base lined UTP and UTC and results recorded In test log and issue log report | Integration Testing executed as per Base lined ITP and ITC and results recorded in test log and issue log. | Fixing and Analysis of Bugs | Testing re-executed (including), and Above cycle repetition till goal set is achieved; Issue log report duly closed |

1. Test Plans.
2. Test Case.
3. Test Logs
4. Issue Log
5. Updated Traceability Matrix.

Traceability matrix updation

| All the deliverables Which are finally sent to client | Release | Preparation of PDN | Approval from PHOD | Delivery Audit by SQAR | Closure of Audit Report | PDN for code and other documents |

Product Deliverables along with other supporting documents.

Customer Sign-off ← Client acceptance follow up, & support for bugs

| RFC, CR Tracking, PIMS | Handling Changes (New Requirement) Enhancement/Issues | Fill RFC/Internal Issue Log/PIMS | Impact Analysis on the changes given By client | Checkout the impacted Items from baseline | The required change is done and revise the respective artifact | Review the work product by Peer |

Entire SDLC Records
1. MSR, FSR.
2. MSR Review by PM/PHOD.
3. DP & Team Meeting MOM.
4. Approval for Tailoring by SEPG.
5. Closure Estimation.
6. Project Closure Report.
7. Baseline Audit Report.
8. Delivery Audit Report.

Update internal issue log/CR tracking/PIMS ← Baseline audit at Periodic Intervals ← Send the check in request to CC ← Approval wherever necessary

9. SQA Review Report.
10. User Manual (if deliverable) & Review & Approval Records.

SOFTWARE DEVELOPMENT PROCESS FLOW CHART

Glossary:

PMP-Project Management plan
PMBOW-Project Management Book of Work
PM-Project Manager
SQA-Software Quality Assurance

PHOD-Project Head of Department
SRS-Software Requirement Specification
RFC-Request For Change
ED/ID-External Design

PS-Program Specifications
UTC-Unit Test Cases
UTC-Unit Test Plan
PIMS-Project Issue Management System

ITP-integration Test Plan
CC-Configuration Coordinator
PDN-Packaging & Delivery Note
MSR/FSR-Monthly/Fortnightly Status Report

SEPG-Software Engineering Process Group
SDD-Software Design Document
ITC-Integration Test Cases
DP-Defect Prevention