Testing Process Overview
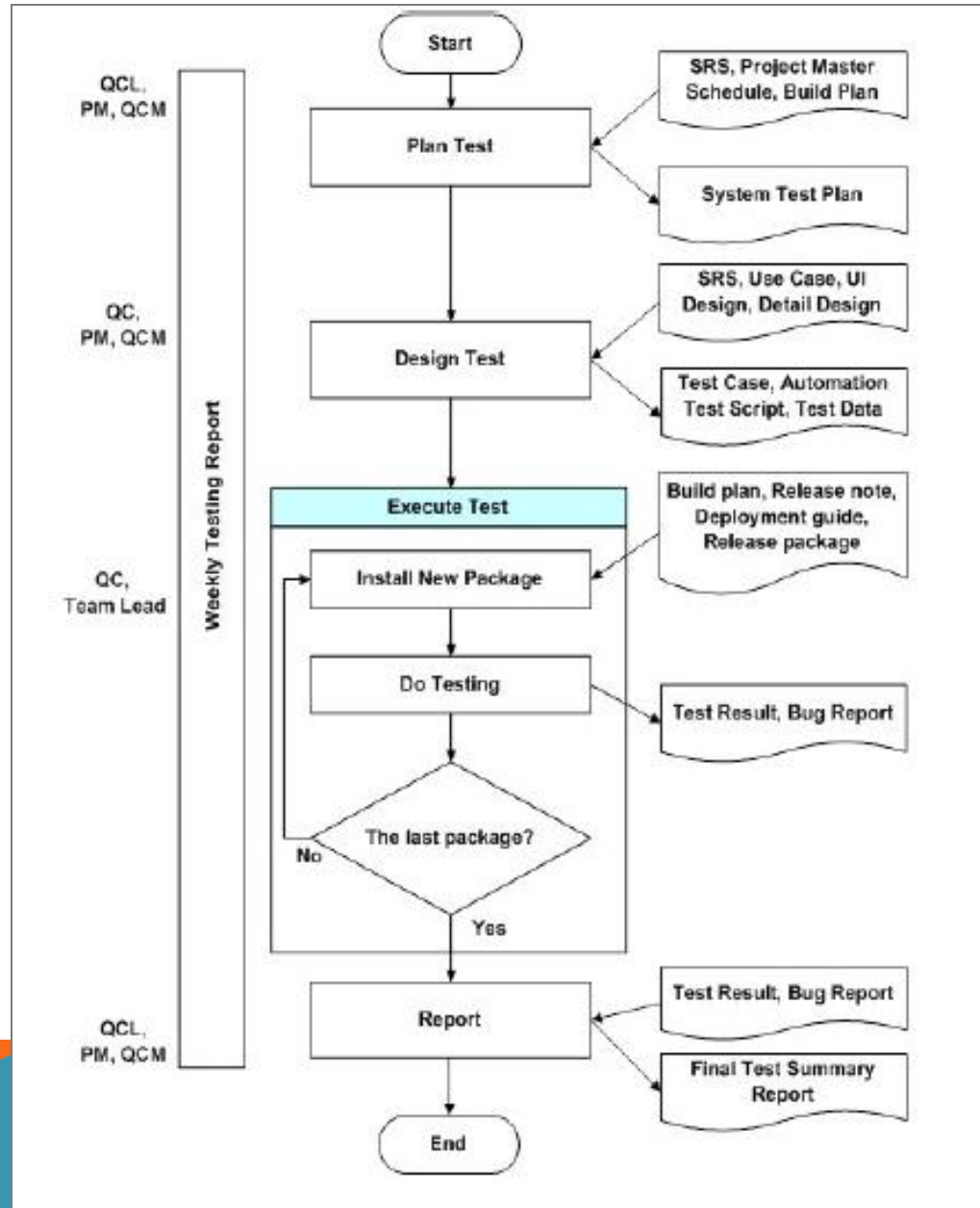
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OVERALL PROCESS

TEST PLAN PROCEDURE

Entry Criteria	Approved SRS, High level project schedule, Build Plan		
When	Based on project plan		
Step	Description	Who	Result
1	Identify system test requirement: - Test types - Define what will be tested - Test environment - Test Resource - Deliverable	QCL	Test plan
2	- Define Role and responsibility - Suspension and Exit Criteria	QCL	
3	Identify Test strategy & technique is to use for each test type: - Smoke test - Functional test - GUI Test - Regression test - Load test - End2End test	QCL	Test plan
4	Review & Update Test plan	QCM	Updated Test Plan
5	Approve Test plan Inform Test plan to related person who are mentioned in the RADIO	PM	Approved test plan
Exit Criteria	Test Plan is approved.		

TEST DESIGN PROCEDURE

Entry Criteria	Approved Test plan ,Approved Use case, UI prototype, Detail Design,		
When	Based on project plan		
Step	Description	Who	Result
1	Write test cases for each test type. Each case should have the following information: - Step to do - Test Data - Expected result Note: Follow the methodology, which is defined in the test plan, to generate the test cases.	QC	Test cases
2	Review the test cases: - Meet the requirement. - Follow the testing technique, strategy which defined in the test plan. **Option:** - By default, QCL reviews the test case of the QC. - QCL delegates the review task to other QC for cross-review. - QCM reviews the test cases.	QCL	
3	Approve the test cases	QCM or QCL	Higher level QC approves the test cases of the lower QC.
Exit Criteria	Test cases are approved.		

TEST EXECUTION PROCEDURE

Entry Criteria	Project Schedule, build note, Product Installation Guide, Release package Test plan, Test case		
When	When the release package is ready. The schedule is defined in the project plan		
Step	Description	Who	Result
1	Follow the Product Installation guide to install the package in the test environment	QCL	Test environment is ready.
2	Use the Test case to do smoke test. Inform PM whether the release package is accepted or rejected. - If the release package is acceptable for testing, go to next step - If the release package is not acceptable for testing, stop testing.	QC	Inform PM by email the status of the release package after smoke test.
3	Execute the test cases. - Update pass/fail for each case in the test case - Log bugs on bugzilla and assign the bug to the development team lead.	QC	Update test case
4	Verify the bug fixed if there are any bugs which are fixed and mentioned in the build note.	QC	
5	Does regression test if it has defined in the test plan.	QC	
6	Follow the "Testing standard document" to categorize the bug on: - Priority - Severity - Root cause	QC	
7	Analyze the bug and assign the bug to fix it. Follow the bug workflow in the "testing standard" document	Technical lead	
8	Update "Test Report" sheet in the test case to create test result and bug report.	QC	Test Report
9	Repeat step 1 for new Release package.		
Exit Criteria	Updated test case, Test Result, Bug report		

TEST REPORT PROCEDURE

Entry Criteria	Executed test is completed.		
When	Complete testing all release packages		
Step	Description	Who	Result
1	Extract bugs list from Bugzilla	QCL	Bugs list at final release stage.
2	Create "Bug priority", "bug status" visual charts.	QCL	"Bug priority", "bug status" visual charts.
3	Evaluate "Bug status" chart to determine if the final release passes testing phase.	QCL	Evaluation result.
4	Create final test summary report.	QCL	Final test summary report.
5	Review the Final Test Summary report	QCM	
6	Approve the Final Test Summary report	PM	
7	Inform Final Test Report to related person who are mentioned in the RADIO	QCL	
8	Send the weekly testing report to PM & QCM

Note:
This step is done weekly. | QCL | Weekly testing report is sent |
| Exit Criteria | Final Test Summary report is approved. | | |

THANK YOU!