**Test Closure**

Test Closure is a document that gives a summary of all the tests conducted during the software development life cycle, it also gives a detailed analysis of the bugs removed and errors found . In other words, Test Closure is a memo that is prepared prior to formally completing the testing process.

**Stages of Test Closure**

The process of test closure is implemented with the assistance of **six important stages**, which help the team check and validate various components of the software before it is released for the end users.

The six important stages of test closure are:

1. **Check planned deliverables:** The planned deliverables that will be given to the stakeholder of the project are checked and analyzed by the team.
2. **Close Incident Reports:** Incidents are the variations or deviations observed by the team in system behaviour during the process of testing. These are logged as a report in the earlier stages and closed during this stage of process.
3. **Handover to Maintenance:** After resolving incidents and closing the incident report, the testware are then handed over to the maintenance team, who provide their adept support to the software during its release and client side implementation.
4. **Finalize & Archive Testware:** During this stage of test closure involves finalizing and archiving of the testware and software like test scripts, test environment, test infrastructure, etc for later use.
5. **Document System Acceptance:** Here, every aspect of the developed software and application along with its supporting data and information is accepted by the customer representatives before the implementation of the software system.
6. **Analysis Best Practices:** This is the last stage of test closure, wherein the learned lessons are analyzed for future references. This helps determine the various changes that might be required for similar projects and their future release.

**Why is Test Closure required?**

We need test closure because it performs the following functions –

* Provide detailed analysis
* Collocate all results
* Adjudge risk

**Test Closure Template**

# General Information

|  |  |  |  |
| --- | --- | --- | --- |
| System or Project ID/Acronym: |  | Creation Date: |  |
| Client Agency: |  | Modification Date: |  |
| Author(s): |  | DTMB Authorized by: |  |

# Revision History

The Project Manager will maintain this information and provide updates as required. All updates to the Project Management Plan and component plans should be documented in this section.

| Revision Date | Author | Section(s) | Summary |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## Tests Executed

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Cycle No.** | **Planned Number of Tests per Test Cycle** | **Number of Tests Executed** | **Number of Passed Test Cases** | **Passed Percentage** | **Number of Failed Test Cases** | **Test Failure Rate per Cycle** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## Defect Metrics

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Priority** | **No. Defects Opened** | **No. Defects Closed** | **No. Defects On Hold** | **No. Defects Rejected** | **No. Defects Open at end of Test Phase** |
| Critical |  |  |  |  |  |
| High |  |  |  |  |  |
| Medium |  |  |  |  |  |
| Low |  |  |  |  |  |

# Exit Criteria Status

The project will be adhering to the exit criteria listed here as the main criteria in the Go/No Go and Stage Exit decisions.

| **Exit Criteria** | **Criteria Met? (Yes/No)** | **If No, Describe Plan of Action** |
| --- | --- | --- |
| All test scripts have been successfully executed. |  |  |
| All expected and actual results are captured and documented with the test script(s). |  |  |
| All identified critical or high severitydefects have been corrected and retested. |  |  |
| Any unresolved defects are documented and signed-off by the project manager. |  |  |
| Pass Rate is over **<xx%>.** |  |  |
| **<Other project Specific>** |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Conclusion

Usually, Test Closure is done after getting a sign off from the client as well as the project team. It documents all that was promised to be delivered and all that is actually delivered.