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**Test Case Process  
FOR**

**Testing Department**

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**Approving Authority:**

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# Purpose

1. Identify 95% Test Cases

# Glossary

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| --- | --- |
| **Words** | **Meaning** |
| FS | Functional Specifications |
| CR | Change Request |
| ASQAE | Assistant Software Quality Assurance Engineer |
| SQAE | Software Quality Assurance Engineer |
| SSQAE | Senior Software Quality Assurance Engineer |
| TTL | Testing team lead of the Project |
| QAM | Quality Assurance Manager |
| DEV | Development |
| Tester | The member who is writing Test Cases. The Member can be any Designation from following List:   * ASQAE * SQAE * SSQAE |
| Test Point | Testable functions identified against requirements |
| Test Case | A set of input values, execution precondition, expected results and executed post condition, developed to cover certain test condition. |

# Process Owner

* QAM

# Entry Criteria

It includes followings:

## Input(s)

* Baseline Test Points Sheet.

## Control(s)

|  |  |
| --- | --- |
| Test Case Categories | Mentioned in ‘Test Case Guidelines’ Document |
| **Test Case Template** | Mentioned in ‘Test Case Guidelines’ Document |
| **FS/CR** | The document against which the Test Cases is written. |
| Reviewer Checklist |  |

## Mechanism (Tool & Techniques)

* Quality Center Tool (QC)

# Process

1. Tester builds the understanding of Requirements.
2. Tester documents Test Cases based on the Test Points.
3. Tester ensures Test Coverage w.r.t. Requirements and Test Points.
4. Tester sends Test Cases for review to TTL.
5. TTL reviews the Test Cases and provides feedback.
6. Tester updates the Test Cases.
7. Process steps 5 and 6 continue till finalized by TTL.
8. Tester shares the Test Cases with DEV team.

# Procedure

### **Tester reads the FS/CR and develops the understanding of Requirements.**

1. **Tester reads the Test Points sheet and compares the CR Requirements with Test Points.**
2. **Based on the Test Points Tester creates classification table w.r.t. Test Case Categories in QC.**
3. **Tester documents Test Case for each Test Point in QC by following Test Case Template.**
4. Tester ensures Test Case coverage w.r.t. Test Points.
5. Tester classifies and documents severity for each Test Case in
   1. Critical (Business Requirement)
   2. Major (Major functionalities of application/Requirements)
   3. Minor: (Non-functional application Requirement)
6. Tester shares the ‘Test Cases’ with the TTL via QC.

### **TTL reviews Test Cases.**

1. TTL documents the feedback and share it with Tester in QC.
2. Tester updates the Test Cases according to feedback.
3. Steps 7 through 10 are followed until Test Cases are approved by TTL.
4. TTL gives documented approval on QC.

### **Tester marks the Test Cases as baseline in QC.**

1. Tester sends a copy of baselined Test Cases to DEV Team via email.

# Duration

This process shall be completed before the ‘Dev Acceptance Testing’ status is set in TFS.

# Related Processes

*Hint: Mention the dependent process in this area.*

Followings are the dependent process:

1. Testing-Test Points
2. Testing-Test Case Execution

# Notes

Incase during this process if TD detects any new anomaly/defect, he/she logs it into QC for corrective action.

# Exceptions

QAM provides the process bypassed stamp in TFS if any of the process going to bypass along with rational. In addition, QAM provides the other option in replacement of bypassed process.

# Output

1. Test Cases

# Metrics

|  |  |  |
| --- | --- | --- |
| **Sr.** | **Points** | **Consideration** |
|  | Number of Test Cases (Critical/Major/Minor/Total). | * It will provide the comparison against expected test case vs actual test cases |
|  | Number of Test Cases changed/added/deleted w.r.t. Test Cases in QC per cycle after review. | * This will provide Tester efficiency level. |
|  | Number of review cycle. | * The lesser the iteration number, the higher the quality is. |
|  | The ratio of number of actual Test Cases generated to the number of expected Test Cases as per ‘Test Point Process’. |  |
|  | Number of Test Cases w.r.t. Automation/Manual (percentage) | * It will help to figure out how much Test Cases are automated yet. |