# Defect Summary Report

100% Test Execution is completed for Project Dolphin. All of the test cases across various test phases were executed and testing execution phase is completed. The various test phases in scope of the project are:

* System Testing
* Integration Testing
* Regression Testing
* User Acceptance Testing
* Pre-Production Testing

A total of 314 defects were raised during testing and a detailed defects summary for the project across builds/cycles and phases are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Phase** | **Build Sequence** | **Cycle 1 Defects** | **Cycle 2 Defects** | **Total Defects** |
| **System Testing** | Build\_ST\_01 | 26 | 64 | 90 |
| Build\_ST\_02 | 7 | 36 | 43 |
| Build\_ST\_03 | 18 | 9 | 27 |
| Build\_ST\_04 | 19 | 23 | 42 |
| Build\_ST\_05 | 6 |  | 6 |
| **Integration Testing** | Build\_SIT\_06 | 38 |  | 38 |
| Build\_SIT\_07 | 20 |  | 20 |
| **Regression Testing** | Build\_RT\_08 | 28 |  | 28 |
| Build\_RT\_09 | 12 |  | 12 |
| **User Acceptance Testing** | Build\_UAT\_10 | 5 |  | 5 |
| **Pre-Production Testing** | Build\_P-PRD\_PROD1 | 3 |  | 3 |

A high level summary of the defects by status is as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| **Closed** | **Deferred** | **Duplicate** | **Invalid** |
| **299** | 4 | 3 | 8 |

# Defect Metrics

This defect report would include the following graphs/charts to pictorially represent the defect metrics for Project Dolphin:

* Defects by Severity
* Defects by Priority
* Defects by Submitter
* Defects by Build and Cycles
* Defects Summary by Root Cause
* Defects Summary by Status
* Defects Summary by Phase
* Defects Summary by Module/Functionality
  1. Defects by Severity vs. Test Phase

Inferences: No of high and medium severity defects were predominant in system, integration and regression test phases. However, critical defects were pretty low across all the test phases except for system testing phase

* 1. Defects by Priority vs. Test Phase

Inferences: Critical priority defects are very less across all the test phases. However, good amount of high and medium priority defects were found during ST, SIT, RT and UAT phases. System testing defects which account for majority of the defects contain significant amount of low priority defects

* 1. Defects by Submitter vs. Test Phase

Inferences: Martin, Gary and baker were the top contributors wrt defects for Project Dolphin followed by Susan and Jamie

* 1. Defects by Build and Cycles vs. Test Phase

Inferences: The testing team has found more number of defects during test cycle 2 of system testing which account for significant amount of the total defects. Though test cycle 2 is out of scope for other testing phases, the defects found are relatively high during SIT phase

* 1. Defects Summary by Root Cause

Inferences: Majority of the defects unearthed during different phases of testing is due to coding related issues followed by clarity of requirements and design documentation related errors

* 1. Defects Summary by Status

Inferences: Out of 314 defects, 299 defects are closed and 4 defects are deferred to next release. 11 defects are rejected

* 1. Defects Summary by Phase

Inferences: Out of 314 defects, 266 defects are accounted in ST and SIT phases followed by RT phase. Defects in UAT and Pre-Prod phases are meager

* 1. Defects Summary by Module/Functionality

Inferences: “Change Management” module accounted for significant proportion of defects i.e., 292 out of 314 defects. Other error prone module was “SNW Global read Roles”