Defect Data Report

1. **INTRODUCTION**

The purpose of this document is to *specify the method to be measured the quality for Viking project in aspects of process quality and product quality*.

The document will *draw a Viking product* *defect lifecycle* that is used to develop a set of metric which analyze the provided Viking product defect data and *draw graph supporting our assertions* regarding Viking product quality in Team Assignment#10.

The document will also *evaluate the quality of Viking project and offer our recommendations* to ensure that quality is not an accident for the Viking project based on defect data.

The Defect Data in this assignment will be collected from *“Viking\_Product\_Defect\_Data-TA10.xls”.*

1. **DEFECT LIFECYCLE**

Our team offers a Change Request Model that connecting to Defect Lifecycle Model. Why we do it? Because tester have to report it to the project team, when they find out the defect to fixing it. Tester has to use Change Request Form for review project. The following is the figure which to show the defect life cycle.

*Figure: Change Request Status Model Diagram*

The following is a table which to specify defect status in weekly defect lifecycle.

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| **Status** | **Status Meaning** |
| Open | New, not yet assigned |
| Reopen | A defect that was previously Closed, Pending or Rejected has been Reopened. Typically this means that the Customer or QA has been able to reproduce the defect. |
| Rejected | From the evaluation it has been determined that this is either not a defect or it can’t/won’t be resolved. |
| Further Analysis | From the evaluation it has been determined that additional analysis is required |
| Pending | Additional information has been requested from the person who submitted the defect |
| Approved | The defect has been approved for resolution |
| Assigned | The defect has been assigned to a software engineer who will work on the defect |
| Resolved | The software engineer responsible for fixing the defect believes that the defect is fixed. Typically this means that the updated product passes all unit and integration tests. |
| Not Resolved | The defect will consider resolved by the QA team, but not pass. Must be resolved again. |
| Tested | The defect is considered resolved by the QA team |
| Closed | The updated product is available for release. Sometimes the original defect submitter is responsible for closing defects, but often this isn’t possible. |

1. VIKING QUALITY REPORT

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| **Type of Status** | **Number of Defect** |
| Open | 21 |
| Approved | 9 |
| Assigned | 10 |
| Closed | 70 |