**TSPi Quality Plan: Form SUMQ**

**Name: 彭伟 Date: 2016/5/29**

**Team: 第10组 Instructor: 张笑燕**

|  |  |  |
| --- | --- | --- |
| **Summary Rates** | **Plan** | **Actual** |
| LOC/hour | 80 |  |
| % Reuse (% of total LOC) | 15 |  |
| % New Reuse (% of N&C LOC) | 5 |  |
| **Percent Defect-Free (PDF)** | **Plan** | **Actual** |
| In compile | 60% |  |
| In unit test | 70% |  |
| In build and integration | 80% |  |
| In system test | 90% |  |
| **Defect/page** | **Plan** | **Actual** |
| Requirements inspection | 3 | 1 |
| HLD inspection | 5 |  |
| **Defects/KLOC** | **Plan** | **Actual** |
| DLD review | 100 |  |
| DLD inspection | 100 |  |
| Code review | 100 |  |
| Compile | 50 |  |
| Code inspection | 10 |  |
| Unit test | 10 |  |
| Build and integration | 10 |  |
| System test | 0 |  |
| Total development | 0 |  |
| **Defects Ratios** | **Plan** | **Actual** |
| Code review/Compile | 2 |  |
| DLD review/Unit test | 2 |  |
| **Development time ratios (%)** | **Plan** | **Actual** |
| Requirements inspection/Requirements | 25 |  |
| HLD inspection/HLD | 50 |  |
| DLD/code | 100 |  |
| DLD review/DLD | 50 |  |
| Code review/code | 50 |  |
| **A/FR** | 1 |  |
| **Review rates** | **Plan** | **Actual** |
| DLD lines/hour | 60 |  |
| Code LOC/hour | 80 |  |
| **Inspection rates** | **Plan** | **Actual** |
| Requirement pages/hour | 2 |  |
| HLD pages/hour | 5 |  |
| DLD lines/hour | 100 |  |
| Code LOC/hour | 200 |  |
| **Defect-injection Rates (Defects/Hr.)** | **Plan** | **Actual** |
| Requirements | 5 | 0.5 |
| HLD | 5 |  |
| DLD | 10 |  |
| Code | 10 |  |
| Compile | 5 |  |
| Unit test | 5 |  |
| Build and integration | 5 |  |
| System test | 0 |  |
| **Defect-removal Rates (Defects/Hr.)** | **Plan** | **Actual** |
| Requirements inspection | 5 | 0.5 |
| HLD inspection | 5 |  |
| DLD review | 10 |  |
| DLD inspection | 10 |  |
| Code review | 10 |  |
| Compile | 5 |  |
| Code inspection | 5 |  |
| Unit test | 5 |  |
| Build and integration | 5 |  |
| System test | 0 |  |
| **Phase Yields** | **Plan** | **Actual** |
| Requirements inspection | 100 | 100 |
| HLD inspection | 100 |  |
| DLD review | 100 |  |
| DLD inspection | 100 |  |
| Code review | 100 |  |
| Compile | 100 |  |
| Code inspection | 100 |  |
| Unit test | 100 |  |
| Build and integration | 100 |  |
| System test | 100 |  |
| **Process Yields** | **Plan** | **Actual** |
| % before compile | 75 |  |
| % before unit test | 85 |  |
| % before build and integration | 90 |  |
| % before system test | 95 |  |
| % before system delivery | 100 |  |