April 1, 2014

**Executive Summary – RTS Automation Code Coverage Goals for 2014**

**Automation Code Coverage Goals for 2014**

In 2013 we started automating our manual test scenarios using Robot Framework. As we continue into 2014 we plan on increasing the total number of automated tests. Using the current number of resources we plan on increasing the number of test scenarios for MD ERT from 774 to 1164, an increase of 50%, or an increase to %14 of the total 8478 manuals test scenarios currently written for MD. For VA we plan on increasing to 25% or 714 of 2857 test case scenarios. Starting in 2014, CT has been added to the states being automated. By end of year 2014 we plan on having 18% or 390 of 2067 test scenarios automated.

**Breakdown of the numbers**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Product** | **Transactio**n/Module | **Total # of Manual Test Cases** | **Manual Test Cases Automated** | **Percentage Automated** | **# of Data Driving RF Test Cases** | **Status** | **Remarks** |
| **MD ERT** | | | | | | | |
| MD ERT | SR | 465 | 258 | 55% | 37 | Maintenance and Refactoring due | Needs to be maintained for the following. These areas were parked in late November last year for the technical issues and moved to T1. Was not maintained since then, it also has some technical debt like clubbing test data sheets into one. |
|  |
| Following is the debt for all these transactions: |
|          Functionality Changes |
|          Frames changes |
|  | RC | 26 | 20 | 77% | 20 |          Time Sensitive Test Data  sanitization |
|  | DU | 165 | 150 | 91% | 30 |          Fix consistency issues  prevailing earlier when we  parked them |
|  | SS | 185 | 160 | 86% | 39 |          Data Clubbing into unique  data sheets |
|  | T1 | 568 | 130 | 23% | 36 | Developed and TESTED |  |
|  | Other | 7069 | 0 | 0% | 0 | Not Yet Started | This includes test scenarios under Transactions (T2, T3 Renew w/Transfer, T3 Class Change w/Transfer, T4, T5, ST, DT, NR, RT, TM, AF, SI), Dashboard, Fees, Documents /Forms & Reports, Manage Transactions, Manage Inventory, Manage Favorites, Security, PII Masking(Transaction), Inventory, Utilities, Help, and CAS Regression |
| **MD ERT Current Total** |  | **8478** | **774** | **9%** | **162** |  |  |
| **MD ERT 2014 Goal** |  | **8478** | **1164** | **14%** |  |  |  |
| **VA ERT** | | | | | | | |
| **VA ERT** | Dealer - Vanity Plates | 289 | 221 | 76% | 31 | Developed and TESTED |  |
|  | Rental - New Registration | 55 | 38 | 69% | 25 | Developed and TESTED |  |
|  | Rental - Transfer | 39 | 33 | 85% | 25 | Developed and TESTED |  |
|  | Rental - Transfer with Renewal | 55 | 43 | 78% | 34 | Developed and TESTED |  |
|  | Rental - Standalone Renewal | 36 | 31 | 86% | 31 | Developed and TESTED |  |
|  | Dealer – New Registration | 44 | 32 | 73% | 25 | Developed and TESTED |  |
|  | Dealer - Transfer | 39 | 33 | 85% | 25 | Developed and TESTED |  |
|  | Dealer - Transfer with Renewal | 55 | 43 | 78% | 34 | Developed and TESTED |  |
|  | Other | 2245 | 0 | 0% | 0 | Not Yet Started | This includes test scenarios under Dealer Title Only, Title Only, Temp Tag, Transport Tag, Manage Inventory, Standalone Inquiry, Manage Favorites, Manage Preferences, Manage Transactions, Fee Validation, Reports, Utilities, Logbook, Help, CAS |
| **VA ERT Current Total** |  | **2857** | **474** | 17% | **230** |  |  |
| **VA ERT 2014 Goal** |  | **2857** | **714** | 25% |  |  |  |
| **CT ERT** | | | | | | | |
| **CT ERT Regression Test Plan - Phase 1** | Business Rule Validation | 211 | 0 | 0% | 0 | Not Yet Started |  |
|  | Compliance | 19 | 0 | 0% | 0 | Not Yet Started |  |
|  | Features | 141 | 0 | 0% | 0 | Not Yet Started |  |
|  | Inventory | 252 | 0 | 0% | 0 | Not Yet Started |  |
|  | Manage | 43 | 0 | 0% | 0 | Not Yet Started |  |
|  | Miscellaneous | 13 | 0 | 0% | 0 | Not Yet Started |  |
|  | Reports | 266 | 0 | 0% | 0 | Not Yet Started |  |
|  | Transactional Issues | 285 | 0 | 0% | 0 | Not Yet Started |  |
|  | Transactions | 133 | 0 | 0% | 0 | Not Yet Started |  |
|  | End-To-End | 34 | 0 | 0% | 0 | Not Yet Started |  |
| **CT ERT Test Planning - Phase 2** | Cancel Registration | 12 | 0 | 0% | 0 | Not Yet Started |  |
|  | Image | 169 | 0 | 0% | 0 | Not Yet Started |  |
|  | In-Transit | 40 | 0 | 0% | 0 | Not Yet Started |  |
|  | Misc | 172 | 0 | 0% | 0 | Not Yet Started |  |
|  | Renew | 277 | 0 | 0% | 0 | Not Yet Started |  |
| **CT ERT Current Total** |  | **2067** | **0** | **0%** | **0** |  |  |
| **CT ERT 2014 Goal** |  | **2067** | **390** | **19%** | **0** |  |  |