Java Air Test Procedure Specification

TPS\_1\_v1.0

# Test procedure specification identifier

This Test Procedure Specification has an unique identifier ‘TPS\_1\_v1.0’. This document describes the specifications of procedures for the Java Air Test Design Specification TDS\_1\_v1.0.

# Purpose

This document defines the procedures that shall be followed when executing all the test cases defined in TDS\_1\_v1.0.

# Special requirements

N/A

# Procedure steps

## Log

The test logs shall be logged first in a custom spreadsheet format, which includes the following information:

* Test Case ID
* Description
* Module
* Prepared By & Date
* Reviewed / Updated By & Date
* Tested By & Date
* Test Activities
  + SI.No.
  + Step Description
  + Expected Results
  + Acceptable results?
  + Actual Results
* Test Data Sets
  + Data Type
  + Data Set 1
  + Data Set 2
  + Data Set 3
  + Data Set Relation
* Test Case Result
* Comments not covered in test case

The loggings in the custom format shall be documented in the standard format defined in the ‘Test Log’ section of IEEE 829-1998.

## Setup

Following procedures shall be followed to setup the testing environment

* Go to the Java Air Project local git repository.
* Launch Git
* Pull the latest code
* Launch Java IDE
* Copy the latest code into IDE Project folder, if necessary
* Refresh the project

## Start

Following procedures shall be followed to setup the testing environment

* Run the Java Air project from IDE.

## Proceed

Following procedures shall be followed to setup the testing environment

* Choose a test case
* Follow the steps described in the test case and manually operate the Java Air Application.
* Observe actual results from Java Air Application.
* Log the actual results.
* Compare the actual results with the expected results, and mark pass / fail for the test case accordingly.

## Measure

* Most tests results shall be measured by visual inspection directly from the application GUI changes, except that:
* The memory constraint test case shall be measured by Windows Task Manager.

## Shutdown

During unexpected event such as application crash, following steps shall be followed to shut down the test

* Stop the application from IDE. If not working, then…
* Terminate the IDE from Windows Task Manager.

## Restart

After each test case is executed, testing shall be restarted by:

* Stop the application from IDE
* Run the application from IDE.

## Stop

Same as ‘Shutdown’

## Wrap up

* Pull latest code from git repository.
* Launch IDE
* Run application

## Contingencies

In case anomalous event occurs during testing other than application crashing, the event shall be logged and analyzed later.