



## **GSA 800-85B TOOL CHANGE LOG**

### **3.0.0**

- Tool version added to html and pdf reports and logs.
- Automatically updates certificate 9A\_06 or 9A\_07 in configuration file.

### **3.1.0**

- Automatically decompressing gzipped versions of certificate 9A\_06/9A\_07.
- Enable/Disabling of optional tests in certificate profile conformance category added.
- Automatically update of configuration setting USE\_CASE\_PIV\_Authenticate key/algorithm string (9A\_06/9A\_07).

### **3.2.0**

- Removed reset\_retry\_counter\_apdu call within disconnect after each test.
- Added additional error checking for Transmit error. Error no longer affects subsequent tests.

### **3.3.0**

- Added catching for multiple known exceptions.
- Removed unnecessary data items from Configuration tab.
- Simplified logs/results/reports path setting into single Configuration->Test Settings->Output Locations->Configuration Main Path setting.
- Added backup capability (get and save containers from card).
- Added read containers from file capability through use of Configuration->Test Settings->GET\_CONTAINERS\_FROM\_CARD setting.

### **3.3.1**

- Default configuration file modifiable values changed to blank.
- Reports/logs/results reset for default configuration file.

### **3.3.2**

- Added support for 3 additional DHS OIDs which are valid of the certificate is issued prior to 2008.
- Specifically, DHS common authentication medium hw, DHS common authentication high, and DHS common card authentication.

### **3.3.3**

- Added catching of two exceptions during LDS Security Object creation.
- Added catching of exception if a container cannot be retrieved (does not exist).

### **3.3.4**

- Added checking of error codes in USE Case PIV Authentication Key. Output appropriate and accurate error message depending on error

### **3.4.0**



- Added buffering of containers feature for running multiple tests.
- Added challenge vs. public key modulus check to make sure challenge does not exceed public key modulus value.

### **3.5.0**

- Improved error reporting for biometric, certificate, and digital signature tests.
- Removed FAIL messages from results when a test has not been executed. Instead, the result is left blank.
- Added error forwarding to results and reports.

### **3.5.1**

- Intermediate version with minor bug fixes (debug)

### **3.5.2**

- Intermediate version with minor bug fixes (debug)

### **3.5.3**

- Intermediate version with minor bug fixes (debug)
- Digital signature conformance Test #57 transmit failure issue addressed
- Result reporting modified heavily

### **3.6.0**

- Report generation pdf and html consolidated to 2 files.
- Report look and feel different, as well as contents of reports.
- Completely changed reporting system from parsing XSL to java

### **3.7.0**

- Added Expected and Actual results column to display the Expected and Actual contents of a container IF it can be read.
- Modified Exception catching to be more robust and provide more information.

### **3.7.1**

- Added additional AP Mapping column to Reporting, read from APMapping.xml

### **3.7.2**

- Added "EP." to precede each AP Mapping value
- Right formatted Legend
- Expanded PDF
- Changed Date to Card Manufacturer Type
- Merged IUT cell with blank cell

### **4.0.1**

- Fixed the piv-interim indicator extension test case to allow both TRUE and FALSE values
- Added support for SP 800-78-1



#### **4.0.2**

- Minor bugfix in xml file for report generation.

#### **4.0.3**

- Bugfix in acceptance OIDs affecting CHECK\_digital\_signature\_conformance tests #15 (CHUID), 34 (fingerprints), 53 (facial image), 65 (security object)

#### **4.0.4**

- Bugfix in retrieving certificate generation date within signed attributes.
- SP 800-78-1 indicator added to heading of reports.

#### **4.0.5**

- Bugfix in verifying signature for private/public key pair integrity tests - CHECK\_certificate\_profile\_conformance #8, #16, #23, #33.
- Support for testing private/public key pair integrity when using EC keys for CHECK\_certificate\_profile\_conformance #8, #16, #23, #33
- Bugfix for always authenticating to PIV Card during retrieval of data containers (i.e. sending PIN)

#### **4.0.6**

- Bugfix for pin authentication for unique case CHECK\_digital\_signature\_conformance test #57

#### **4.0.7**

- Bugfix for compatibility with Java 1.6.0 where the 'Tests' consolidated page was not getting populated with the tests run results.
- Generates fewer shortcuts in the start menu. Added an 'Uninstall' shortcut in the start menu for this tool.

#### **4.0.8**

- Graceful handling of null pointer exceptions in CHECK\_digital\_signature\_conformance tests #15,16 & 36.
- Shows correct tool version in reports also now.

#### **4.0.9**

- Bug fix for reading card data in the CHECK\_certificate\_profile\_conformance tests.