

## Conformance Test Suite for ISO/IEC 19794-6 rev for Images Stored off PIV Cards Implementations

The CTS is currently designed to test implementations of the profile of ISO/IEC 19794-6 rev for images stored off the PIV card [1]. Level 1 and 2 tests for the mandatory and optional requirements are implemented<sup>1</sup>.

Where portions of the PIV Profile of ISO/IEC 19794-6 rev for Images stored off PIV Cards were not specific, the underlying base standard requirements were used; so the CTS is also aligned with portions of the base standard [2].

The CTS is also aligned with the associated conformance testing methodology (CTM) which is being developed as an Amendment to ISO/IEC 19794-6 revision. The pertinent CTM document is ISO/IEC 2nd Working Draft 19794-6 revision Amendment 1 [3].

1. DRAFT NIST Special Publication 800-76-2, PIV Profile of ISO/IEC 19794-6 rev for Images Stored off PIV Cards, April 17, 2011
  - a. Section 7.5 - Iris image specification for iris images retained outside the PIV card
  - b. Section 9 - Common header for PIV biometric data
2. ISO/IEC JTC 1/SC 37 N 4321, text of ISO/IEC FDIS 19794-6 revision, Biometric data interchange formats – Part 6: Iris image data
3. ISO/IEC JTC 1/SC 37 N 4247, text of ISO/IEC 19794-6 revision/PDAM 1 (Proposed Draft Amendment), biometric data interchange formats Amendment 1: Conformance testing methodology

<sup>1</sup> In Level 1 testing, an implementation is checked field-by-field, for conformance with the specification of the standard, both in terms of ranges, character types, encoding and cardinality. In Level 2 testing, an implementation is checked to determine if it is internally consistent. This is achieved by relating values from one or more fields or information items within an implementation to other values within the same implementation. Level 2 tests require more complex testing than Level 1, usually after the entire implementation has been parsed.