

## Conformance Test Suite for ISO/IEC 19794-2:2005 Implementations

The CTS is currently designed to test implementations of the data format as specified in the text of ISO/IEC 19794-2 [1] and Technical Corrigendum 1 [2]. Level 1 and 2 tests for the mandatory and optional requirements are implemented<sup>1</sup>.

The CTS is also aligned with the associated conformance testing methodology (CTM), ISO/IEC JTC 1/SC 37 [3].

### Relevant Standards

1. ISO/IEC 19794-2:2005, Biometric data interchange formats – Part 2: Finger minutiae data
2. ISO/IEC 19794-2:2005 TECHNICAL CORRIGENDUM 1
3. ISO/IEC JTC 1/SC 37 N 3397, text of FDIS 29109-2:2010, Conformance testing methodology for biometric interchange records format - Part 2: Finger minutiae data

<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.