



Best Technical Advancement – Runner up

DoD PM Biometrics BISCO Team

The Biometric Interoperability & Standards Conformance Office (BISCO) was recently established to support test and evaluation objectives for current and emerging biometrics capabilities. BISCO is a government-owned, secure ecosystem for interoperability governance; compliance with Department of Defense (DoD) standards; integration, experimentation, and evaluation; and policy testing. It has been validated by the Joint Interoperability Test Command (JITC) to conduct standards compliance testing to the DoD Electronic Biometric Transmission Specification (EBTS), which requires alignment of the National Information Exchange Model (NIEM), the NIEM Biometrics Domain, the ANSI/NIST-ITL 1-2011 Update:2015 Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information, and the Federal Bureau of Investigation (FBI) EBTS.

The BISCO Conformance Software, which supports DoD EBTS v1.2 (binary) and v4.1 (binary and XML), has certified the Cross Match SEEK II for use by the US Marine Corps (USMC) Identity Dominance System (IDS). BISCO has certified Lakota and Aware's software products for file-level conformance to DoD EBTS. Additionally, DoD EBTS conformance testing has been completed, and defect remediation is underway, for the Sciometric SlapShot, the Tascent MX, the Booz Allen Hamilton Vampire, the InCadence Javelin XL, as well as Navy IDS, USMC IDS, and InCadence ABIS in a Box.

The BISCO Biometric Enrollment application captures biometrics, builds DoD EBTS v1.2- and v4.1-compliant transactions, and transmits them to the Automated Biometric Identification System (ABIS), allowing the use of almost any local or remote contact or contactless fingerprint, face, or iris sensor. Integration with palm and thermal imaging sensors is underway.