

Biometric Consortium 2006 Conference

Mark Jerde

Chief Technology Officer

Identification Technology Partners, Inc.

12208 Pueblo Road

North Potomac, MD 20878-2064

Phone: 301.351.6201

mjerde@idtp.com

Topic: NIST's Development of Conformance Test Suites for Biometric Interfaces

Abstract: Standards-based conformance testing leads to greatly increased levels of confidence in product conformance claims for developers and users. NIST is working in close collaboration with other government agencies in the development of biometric standards and supporting testing tools. A component of NIST's biometric standards program is the development of Conformance Test Suites (CTS) for biometric interface standards. In February 2006 NIST and DoD Biometrics Task Force released two BioAPI CTS beta implementations. Test results derived from both CTS implementations were cross-validated. NIST is currently developing CTS implementations for selected Common Biometric Exchange Framework Format Patron Formats. This presentation will address NIST's CTS developments in support of national and international biometric standards and will discuss the status of these technical developments.

Biography: Mark Jerde has over has over twenty (20) years of Information Technology experience. He first became involved in biometrics in 1991 as a U.S. Army Captain assigned to the U.S. Immigration and Naturalization Service (INS) where he worked on the Software AFIS Screening System (SASS) and IDENT projects. In private industry he has worked for Identicator and Identix. Mr. Jerde managed a team of programmers and data entry personnel in the creation of the Army's Training Management Database, a multi-user UNIX system designed to maximize training resources through optimum scheduling. At the INS, Mr. Jerde was the hand's-on project manager of SASS, the world's first 100% Commercial, Off-The-Shelf client / server biometric system. As a part of the INS SASS, Mr. Jerde designed remote software distribution systems, which allowed remote control of San Diego IT resources. At Identicator, Mr. Jerde wrote the Biometric Enrollment System (BES), which was used on several projects, including the Philippines Fingerprint Database. Mr. Jerde created software to instruct software developers in the proper development of biometric image capture and processing routines. He has participated in numerous government and industry biometric standards activities, including the ANSI/NIST fingerprint interchange standard, BioAPI, and the NIST Common Biometric Exchange File Framework.