

BioFoundry® Announces BioAPI 2.0 Conformance Test Suite

Somerset, N.J., Sept 22, 2008 – BioFoundry®, a division of OSS Nokalva, Inc., announced today the availability of a BioAPI 2.0 Conformance Test Suite.

The BioFoundry® BioAPI 2.0 Conformance Test Suite (CTS) is an implementation of the ISO/IEC 24709 Conformance Testing Methodology for the ISO/IEC 19784-1 (BioAPI 2.0) standard. The goal of the CTS is to assess the conformance of a BioAPI 2.0 Biometric Service Provider (BSP) and produce a Conformity Test Report for the BSP tested.

ISO/IEC 24709 is a multi-part international standard. The first part, *Conformance Testing for BioAPI Part 1: Methods and Procedures*, specifies the testing methodology, which includes the full specification of a conformance assertion language. The second part, *Conformance Testing for BioAPI Part 2: Test Assertions*, specifies a set of assertions written in the assertion language specified in Part 1, along with a set of criteria for selecting the assertions to be executed in each case, based on the characteristics of the BSP under test. The conformance assertion language is an integral part of the BioAPI conformance testing methodology. Each assertion is a test case.

The ISO/IEC 19784-1 (BioAPI 2.0) specification defines an architecture consisting of three components:

- BioAPI Application - a software component that uses the BioAPI Interface, making function calls to this interface during execution;
- BioAPI Framework - a software component that implements the BioAPI Interface, making function calls to the BioSPI Interface during execution; and
- BioAPI Biometric Service Provider (BSP) - a software component that implements the BioSPI Interface.

The BioFoundry® BioAPI 2.0 CTS supports testing the conformance of BioAPI 2.0 BSPs.

The CTS supports the three phases of a conformance test – a) preparation/creation of a test definition; b) execution of the conformance assertions; and c) conformance reporting. During the preparation phase, the CTS User Interface helps the CTS operator describe the test. During the execution phase, several components of the CTS (CTS Assertion Processor, CTS Test Engine) are invoked to execute the input test definition and assertion. During the reporting phase, the CTS Report Builder is used to create a report of the test. The third phase usually starts automatically at the end of the second phase.

The BioFoundry® BioAPI 2.0 CTS is valuable to users at many levels – biometric solution customers, solution providers, integrators, and BSP vendors. Wherever BioAPI 2.0 conformance is a requirement, there is a need for the BioFoundry® BioAPI 2.0 CTS.

For more information, visit <http://www.biofoundry.com>, or call +1 (888) 677-2761 (Toll free USA and Canada), + 1 (732) 302-0750 (International).

About BioFoundry®

[BioFoundry®](http://www.biofoundry.com), a division of OSS Nokalva, Inc., provides standards-based biometric solutions and professional services, and is a leading contributor to biometric standards development at both the national and international level. Since 1988, OSS Nokalva has been instrumental in shaping and developing both standards, and standards-based technologies.