

Availability of an evaluation and certification benchmark developed by the Biometrics Alliance Initiative for biometric technologies

The Biometrics Alliance Initiative announced today the availability of its evaluation and certification template for biometric technologies used in biometric-based non-governmental solutions. This template enables the evaluation and certification of biometric technologies in a consistent manner that encompasses all their various aspects while establishing a common approach for laboratories.

This benchmark has benefited from the expertise and contributions of 4 major types of actors involved in the implementation of biometric technologies, namely:

- R&D laboratories,
- Evaluation laboratories and certification bodies,
- End users who rely on biometric technologies to propose new services or a new user experience,
- Industrial firms.

This benchmark fulfills the need for visibility and transparency regarding the underpinnings of biometric solutions. It also lays the foundations enabling companies seeking to deploy biometric technologies, to evaluate and appreciate the performance of their chosen solution.

Finalizing these initial steps will aim at implementing an evaluation and certification template based on a joint assessment of the various dimensions characterizing biometrics, including: functionalities, performance, interoperability, environment, and security.

This benchmark is made available in a context where the field of mass market biometrics is expanding (development of new uses, installation on various platforms, multiplicity of protocols, etc.) and where proprietary technologies whose actual performance cannot be precisely gauged are being rolled out. It also aims at guiding the strategy being devised by institutions on the use and generalization of this type of technology. Lastly, it intends to provide industrial leaders with better knowledge of actual technology use conditions.

This benchmark is naturally referenced within existing standards as a means of offering:

- an operational evaluation template for industrial laboratories and certification bodies,
- compatibility with the set of R&D work being conducted by university laboratories,
- an operational methodology shared by all laboratories, enabling empirical, objective comparison of the various technologies being applied.

Appendices

WP1: Evaluation levels for biometric technology

- D.1.1. Biometric system representations
- D.1.2. Definition of the different evaluation levels: compliance and certification and the approval level for self-assessment

WP2: Definition of general requirements for the evaluation frameworks

- D.2.1. General requirements for Functionality evaluation framework
- D.2.2. General requirements for Performance evaluation framework
- D.2.3. General requirements for Interoperability evaluation Framework
- D.2.4. General requirements for Environment evaluation framework
- D.2.5. General requirements for Security evaluation framework
- D.2.6. General requirements for Security analysis
- D.2.7. Definition of attacks to test

WP3: Definition of specific tests and test tools for the evaluation frameworks considering all evaluation levels and the different biometric representations at each level

- D.3.1. Specific tests for Functionality evaluation framework
- D.3.2. Specific tests and test tools for Performance evaluation framework
- D.3.3. Specific tests and test tools for Interoperability evaluation framework
- D.3.4. Specific tests and test tools for Environment evaluation framework
- D.3.5. Specific tests for Security evaluation framework

WP4: Definition of the global certification scheme

- D.4.1. Structure and organization of the global biometric certification scheme
- D.4.2. Types of certificates
- D.4.3. Scopes for accreditations

About the Biometrics Alliance Initiative

The Biometrics Alliance Initiative (BAI) project was launched in anticipation of the larger role played by biometrics in new fields, outside of central authority control. This project was made possible thanks to the regional financing (Dirrecte) and FEDER (European Regional Development Fund); it aims at defining and promoting an evaluation and certification template for biometric technologies driven by non-regulatory needs surrounding the uses of biometrics.

Contact

Contact and information are available on the website of the BAI : <http://www.biometrics-alliance.com>