FIDO Certification

Laboratory Accreditation Application

May 2018

Version 1.2

Contents

1 Introduction

This Application is part of the FIDO Accredited Biometric Laboratory Program. It is intended for Biometric Laboratories that wish to complete evaluations and testing as part of the FIDO Biometrics Certification Program for evaluating biometric subcomponents/subsystems.

1.1 FIDO Alliance

FIDO Alliance is an industry consortium defining the specifications supporting a full range of authentication technologies, including biometrics such as fingerprint and iris scanners, voice and facial recognition, in addition to existing Restricted Operating Environments (ROE) standards such as Trusted Platform Modules (TPM), Trusted Execution Environment (TEE) and Security Elements (SE).

FIDO's Certification Program is intended to assess the biometric subcomponents that will be integrated into authenticators seeking FIDO Authenticator Certification. This process requires a third-party lab to be involved to evaluate the biometric subcomponent/subsystem. For this purpose, FIDO created a Biometric Laboratory Accreditation Program.

1.2 Roles & Responsibilities

Certification Working Group (CWG)

FIDO working group responsible for the approval of policy documents and ongoing maintenance of policy documents once a certification program is launched.

Biometrics Assurance Subgroup

FIDO subgroup of the CWG responsible for defining the Biometric Requirements and Test Procedures to develop the Biometrics Certification program and to act as an SME following the launch of the program.

Vendor

Party seeking certification. Responsible for providing the testing harness to perform both online and offline testing that includes enrollment system (with data capture sensor) and verification software.

Original Equipment Manufacturer (OEM)

Company whose goods are used as components in the products of another company, which then sells the finished items to users.

Accredited Laboratory

Party performing testing. Testing will be performed by third-party test laboratories Accredited by FIDO to perform Biometric Certification Testing.

1.3 Audience

This Application is intended for Laboratories to request a FIDO Biometric Laboratory Accreditation.

1.4 Scoring Criteria

The Application will be scored for each requirement as follows:

- PASSED = The information provided by the lab sufficiently meets the requirement
- INCONCLUSIVE = The information provided by the lab is incomplete or not sufficient to meet the requirement.
- FAILED = The information provided does not meet the requirement.

For INCONCLUSIVE and FAILED results the Biometric Secretariat will provide additional information as an informative recommendation.

A laboratory must have all requirements as PASSED to be Approved by the Biometric Secretariat.

1.5 Instructions

Laboratories should complete all questions in this Application. If attachments are to be included with the application please indicate them in the file name as [LaboratoryName]-AccreditationApplication-[Application Section].

1.6 Submission Instructions

Please submit as follows:

1. Submit your Accreditation Request: https://fidoalliance.org/certification/lab-accreditation-request/

2. Once the application is approved (you will be notified by email), you should Request an Account for the Certification System from certification@fidoalliance.org , everything from hereon is available on the Online Dashboard.

3. Once this is done, you can use your account to add the FIDO Laboratory Evaluation agreement and follow the application process for submitting all supporting documents

1.7 Support

For help and support, contact the FIDO Certification Secretariat at certification@fidoalliance.org.

2 Application

2.1 Contact Information

Please provide the following contact information:

Contact Information	
Company Name	
Physical Address	
Mailing Address (If different than above)	
Zip Code	
Country	
Phone Number	
Authorized Representative	
Authorized Rep. Title	
Authorized Rep. Email	
Authorized Rep. Phone	

2.2 Proposed Scope of Accreditation

Please indicate the scope of Accreditation you wish to perform as an Accredited Laboratory:

Scope of Accreditation	
Biometric Certification	

2.3 Business

Please provide the following evidence of business practices:

Business		
Laboratory Services		
Structure of the Organization (including Design Area)		
Top 10 Vendors and percentage of revenue received for each Vendor relative to Total Revenue	Vendor	Revenue Percentage
	1.	
	2.	
	3.	
	4.	
	5.	

Business		
	6.	
	7.	
	8.	
	9.	
	10.	
Certificate of Ownership and/or Tax Identification Number		

2.4 Physical & Logical Security

Please provide the following evidence of physical and logical security:

Note: Evidence from ISO 17025 or CC Audit Reports may be used.

Physical & Logical Security	
Physical and Logical Network Security Measures	

Physical & Logical Security	
Personnel Background Check Security Policies	
Confidential Data Protection Practices	

2.5 Administrative Conformance

Please provide the following evidence of administrative conformance:

Note: Evidence from ISO 17025 or CC Audit Reports may be used.

Administrative Conformance	
Quality Assurance System	

Administrative Conformance	
Laboratory Personnel & Qualifications	
Proposed Approved Evaluators **Note:** One Approved Evaluator is required. Evaluators must complete the FIDO Training and Knowledge Test to be considered Approved Evaluators.	Evaluator Name
	1.
	2.
	3.
	4.
	5.
	6.
	7.
	8.
	9.
	10.

Administrative Conformance	
Laboratory Equipment and Techniques	
Laboratory Security Policy	

Administrative Conformance	
Laboratory Asset Management System	

2.6 Technical Expertise

Please provide the following evidence of technical expertise:

Technical Expertise	
1. **Experience with FIDO Specifications or similar technologies** (Please include statement of the evaluation projects, scope, and work carried out)	
2. **Experience in Testing:** Lab must have at least two years of experience of testing in the domain (Fingerprint, iris/eye, voice, etc.) in which it is seeking Accreditation. This includes *Live Subject Testing,* which is ideally met with testing at least 123 unique individuals. (Please include evidence of testing within the domain seeking accreditation, and indicate experience in *Live Subject Testing* that meets this requirement)	

<table>
<tr><td>3. Experience with Presentation Attack Detection: Lab must have previous experience with Presentation Attack Detection, Presentation Attack Instruments for Imposter Attack Transactions. Evidence to support this can be shown if Laboratory has followed the Characterizing Attacks to Fingerprint Verification Mechanisms methodology for evaluations. (Please include evidence to support this claim)</td><td colspan="2"></td></tr>
<tr><td rowspan="3">ISO 17025 Accreditation Program (Biometric Accreditation): ISO 17025

(Provide the accreditation certificate provided by an internationally recognized national information security body)

Note: At least one of the following ISO area of accreditations is required:
• ISO/IEC 19795-1:2006: Information Technology
○ Biometric performance testing and reporting-Part 1: Principles and framework
• ISO/IEC 30107-3:2017: Information Technology
○ Biometric presentation attack</td><td>ISO Program</td><td>Date Received / Expiration Date</td></tr>
<tr><td></td><td></td></tr>
<tr><td></td><td></td></tr>
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detection – Part 3: Testing and reporting		
Approved Accreditation (Biometric Accreditation): Third-Party Accreditation Accepted Programs (Provide the accreditation certificate) **Note:** A lab must be able to demonstrate the ability to achieve all required testing services: pre-testing, online testing, offline testing, self-attestation, and PAD). To meet the evidence testing requirements, At least one of the Approved Accreditations is Required: - **NIST NVLAP**: Biometrics Testing LAP o 30/BTA Biometrics Testing and Analysis o 30/ST Scenario Testing - Human Crew (Laboratory) o 30/SLT System Level Testing (Enrollment/Verification) o 30/CPST Conformance to Performance Specifications Testing - **Common Criteria:** Common Criteria Licensed Lab: Must have evaluated an implementation against at least one of the following Protection Profiles (PP): o Biometric Verification	**Approved Accreditation**	**Date Received / Expiration Date**

Mechanisms PP v1.3 o Fingerprint Spoofing Detection PP v1.7 o Fingerprint Spoofing Detection PP v1.8	
OR, document ability to perform Biometric Testing to an equivalent of one of the above accepted programs. Please provide any evidence to the Biometric Secretariat for evaluation. A lab must be able to demonstrate the ability to achieve all required testing services: pre-testing, online testing, offline testing, self-attestation, and PAD).	
Indicate domain/scope of lab capabilities (i.e. Fingerprint, Face, Iris/Eye, Voice, etc.)	Please list lab's domain/scope of testing capabilities:
Other Accreditations (Optional)	

- End of Application -