Fime test session confirmation letter

Biometric subcomponent test session according to

ISO Standards

Test session carried out from October 5th 2026 to October 28th, 2026 for

ID4US

Fime hereby confirms that the **Persan 3** product developed by **ID4US** has completed **biometric Presentation Attack Detection and Performance testing** carried out in accordance with **ISO/IEC 30107-1, ISO/IEC 30107-3**, **ISO/IEC 19795-1 and ISO/IEC 19795-2** .

This test session was performed from **October 5th, 2026** to **October 28th, 2026** at **FIME EMEA** on samples **C26STN01-447**.

Tested product is a fingerprint sensor based on ultrasonic technology, embedded in a prototype and designed for biometric authentication.

The sample tested by Fime was tested in accordance with the methodological requirements established in agreement between Fime and ID4US and described hereafter. Detailed results are provided in official test report: n°**C26CPG01-447_ID4US_Persan 3_V1.0**.

Tested sample identification

- Name: Persan 3
- Version: 1
- Number of samples: 2
- Biometric modality: fingerprint
- Biometric sensor technology: ultrasonic
- Software name and version: PersanBiometricsEdge 1.0.0

The tests were carried out in accordance with following standard method guidance and documents:

- ISO/IEC 30107-1:2023
- ISO/IEC 30107-3:2023
- ISO/IEC 19795-1:2021
- ISO/IEC 19795-2:2007

Testing was conducted using two *Persan 3* devices plugged to an Ubuntu computer where *Liveness Detection PersanBiometricsEdge 1.0.0* application, which perform enrolment and verification operations, has been installed. Performance test method has involved 25 subjects each of whom performed 10 verifications leading to 250 genuine comparisons and 6000 impostor comparisons. Test results of *Persan 3* with *PersanBiometricsEdge 1.0.0* application show a global FAR (False Accept Rate) equal to 0.00% while FRR (False Reject Rate) is equal to 2.40%.

Presentation Attack Detection test method has involved 15 subjects, 6 recipes level Alpha and 8 recipes level Beta, which has permitted to design 210 presentation attack instruments (PAI). Each PAI have been tested 10 times against product leading to 2100 presentation attacks. Test results of *Persan 3* with *PersanBiometricsEdge 1.0.0* application show a global IAPAR (Impostor Attack Presentation Accept Rate) equal to 1.14% while FRR (False Reject Rate) is equal to 2.40%.

Fime laboratory meet Android™ requirement for testing the biometric security of Android devices, and are accredited by various biometrics standards, such as NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for biometric testing (NVLAP Lab Code 600365-0)* and FIDO Alliance Biometric Component Certification, to perform evaluations for biometric authentication products, systems and subcomponents. Fime implements standardized and trusted quality control testing procedures and methodologies, to perform products test sessions.

October 28th, 2026

Guillaume YVON
Biometric Activity Manager

* This letter must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, any certification body or any agency of the U.S. Government.