fime

Fime test session confirmation letter

Biometric subcomponent test session according to

ISO Standards

Test session carried out from November 17th, 2025 to November 27th, 2025 for

Liquid

Fime hereby confirms that **Liquid PAD v1.0.0** product developed by **Liquid** has completed biometric **Presentation Attack Detection** testing carried out in accordance with **ISO/IEC 30107-1, ISO/IEC 30107-3,** and **ISO/IEC 30107-4** .

This test session was performed from **November 17th, 2025** to **November 27th, 2025** at **FIME (FEIMA Ltd Taiwan Branch)** on sample received on November 11nd, 2025.

Tested product is a biometric passive liveness detection application designed for use with optical camera technology on IOS smartphone.

The results of the test session demonstrate that samples tested meet the requirements hereafter. The detailed results are provided in official test report: **T25REP00-888_Liquid_Liquid PAD_V1.0** .

Tested sample identification

- Name: **Liquid PAD**
- Version: **v1.0.0**
- Biometric modality: **Facial Recognition**
- Biometric sensor technology: **Optical Camera**
- Software name and version: **Liquid PAD v1.0.0**

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 30107-4:2024**

Testing was conducted using a smartphone iPhone 15, under IOS 26.1, where Liquid PAD v1.0.0 application, which assesses directly the spoof detection, has been installed. Test method has involved 10 subjects, 10 recipes level A and B, which has permitted to design 100 presentation attack instruments (PAI). Each PAI has been tested 10 times against the product leading to 1000 presentation attacks. Test results show that Liquid PAD v1.0.0 global APCER (Attack Presentation Classification Error Rate) measured is 0.00% while BPCER (Bona fide Presentation Classification Error Rate) can be found in the report..

Fime laboratories meet Android™ requirement for testing the biometric security of Android devices, and are accredited by various biometrics standards, such 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.

December 9th 2025

Guillaume YVON
Biometric Activity Manager