



Fime test session confirmation letter

Biometric subcomponent test session according to ISO Standards

Test session carried out from November 12th, 2025 to November 21st, 2025 for
Verihubs (PT. Verihubs Inteligencia Nusantara)

Fime hereby confirms that **Liveness Detection 3.5.0** product developed by **Verihubs (PT. Verihubs Inteligencia Nusantara)** 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 12th, 2025 to November 21st, 2025** at **FIME (FEIMA Ltd Taiwan Branch)** on sample received on November 12th 2025. Tested product is a biometric endpoint API for liveness detection application designed for use with optical camera technology on smartphones.

The results of the test session demonstrate that samples tested meet the requirements established with the guidance of documents described hereafter. The detailed results are provided in official test report: **T25REP00-861_Verihubs_Liveness_Detection on_3.5.0_v2.0**.

Testing was conducted using FIME devices, one LG Wing 5G running Android 10 or higher with a frontal camera of 32MP and an Apple iPhone 16 running IOS 18 or higher with a frontal camera of 12MP, both having Liveness Detection 3.5.0 installed which assesses directly the spoof detection. Test method has involved 8 subjects, 4 recipes level Alpha which has permitted to design 32 presentation attack instruments (PAI). Each PAI has been tested 10 times with each device against product, in standard condition, leading to 640 presentation attacks. Test results show that Liveness Detection 3.5.0 global APCER (Attack Presentation Classification Error Rate) observed is 0.00% while BPCER (Bona Fide Classification Error Rate) measured is 0.00%.

Based on the tests performed according to ISO 30107 series, the Liveness Detection 3.5.0 solution provided by Verihubs (PT. Verihubs Inteligencia Nusantara) was found to be compliant with Fime Level 1.

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.

Tested sample identification

- Name: **Liveness Detection**
- Version: **3.5.0**
- Biometric modality: **Facial Recognition**
- Biometric sensor technology: **Endpoint API processing the signal from embedded camera**
- Software name and version: **Liveness Detection 3.5.0**

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**

December 5th 2025

Paul Kwong
Biometric Activity Manager