



# Fime test session confirmation letter

## Biometric subcomponent test session according to ISO Standards

Test session carried out from December 09<sup>th</sup>, 2024 to December 17<sup>th</sup>, 2024 for  
**Mercuries Data Systems Ltd.**

Fime hereby confirms that the **UBReader TS-E3F1-B52UE & TS-E3F1-B59UE** products developed by **Mercuries Data Systems Ltd.** has completed biometric **Performance** testing carried out in accordance with ISO/IEC 19795-1:2021 and ISO/IEC 19795-2:2007.

This test session was performed from December 09 to December 17, 2024 at **Fime Taiwan** on product UBReader TS-E3F1-B52UE using MDSFV V4.0.0.0 software received on December 09, 2024.

Tested products are biometric finger vein sensor devices designed for use with a computer operating under windows OS.

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: **T23REP00-808\_MDS\_UBReader\_V3.0.**

Testing was conducted using the UBReader TS-E3F1-B52UE finger vein device installed on a computer where MDSFV V4.0.0.0, which perform biometric matching operation, has been launched. Test method has involved 48 finger subjects coming from 12 unique people, 4 fingers per people, both hand's index and middle fingers testing on 3 samples which have permitted to perform biometric performance test (FRR/FAR). Each finger has been tested for FRR for 10 attempts. Moreover, each finger has been tested for FAR for 10 attempts, totally 22,560 impostor attempts. Test results show a FRR equal to 0.00% when FAR is equal to 0.00%. UBReader TS-E3F1-B52UE with MDSFV V4.0.0.0 can reach average FRR < 5%.

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

January 23<sup>h</sup> 2025

### Tested sample identification

- Name: TS-E3F1-B52UE & TS-E3F1-B59UE
- Version: v2.2.0.2
- Number of samples: 3
- Biometric modality: Finger vein
- Biometric sensor technology: NIR
- Software name and version: MDSFV V4.0.0.0

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

- ISO/IEC 19795-1:2021
- ISO/IEC 19795-2:2007

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