



IEEE General Meeting

Standards & Specifications

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IEEE SA P3167

Standard for Secure Biometrics Device Interface





Purpose





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to add to the global digital identity efforts that are in motion to achieve sustainable development as per the UN SDG agenda.

Biometrics based digital identity issuance and verification are being undertaken in many countries.

The ability to use biometric devices interoperably/interchangeably for registration of users as well as for verification is important for these efforts to move ahead quickly.

This standard will help in this endeavour.





The Problem





Problem

- Usage of biometric devices has grown multi folds across the globe. For example: Passport, ID issuance, border control, visa process.
- Applications built in these domains are tightly coupled with the devices, thereby increasing cost, crippling innovation and delaying adoption.
- Public verification systems (Non personal biometric device) that verify an individual's id and biometrics. Eg: Relief camps, Health programs, Direct benefits transfer, Social welfare programs, Civil registry, Foundational Id.
- Biometrics does not change for a user often. So it's essential to build trusted devices that protect against replay.



Scope of the Specification

- Discovery of biometric devices
- Information of biometric devices
- Interoperable biometric quality standards
- Support for multiple biometric devices
- Device trust
- Permission to collect biometrics
- Local biometric verification



Timeline

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IEEE SA Ballot Process





Specification Document





MOSIP

MOSIP Homepage: www.mosip.io

MOSIP Source Code: github.com/mosip

MOSIP Documentation: docs.mosip.io

MOSIP Community: community.mosip.io