

This document contains supplemental information referenced by the European Rolling Plan for ICT Standardisation.

## **IEEE Standards Activities in Electronic Identification and Trust Services**

### **Overview**

IEEE has standards and pre-standards activities relevant to Electronic Identification and Trust Services, including dealing with blockchain technology and biometric identification. Blockchain technology, with its unique ability to retain identities in a secure and immutable manner, could be the catalyst to making digital identification systems a reality, while biometric identification is a consideration in every business and social transaction.

### **Relevant Standards Activities and Active Standards\***

- [IEEE P2048.4](#) - Standard for Virtual Reality and Augmented Reality: Person Identity
- [IEEE P2049.3](#) - Standard for Human Augmentation: Identity
- [IEEE Std 2410-2019](#), IEEE Standard for Biometric Open Protocol
- [IEEE P2733](#), Standard for Clinical Internet of Things (IoT) Data and Device Interoperability with TIPPSS - Trust, Identity, Privacy, Protection, Safety, Security
- [IEEE P2790](#), Standard for Biometric Liveness Detection
- [IEEE P2799](#), Standard for Confirming and Conveying Identity Over the Internet

### **Pre-standardization Industry Connections Activities**

- **Industry Connections (IC) Digital Inclusion through Trust and Agency**  
[http://standards.ieee.org/develop/indconn/digital\\_inclusion/index.html](http://standards.ieee.org/develop/indconn/digital_inclusion/index.html)

IEEE also has a pre-standardization Industry Connections (IC) activity on 'Digital Inclusion through Trust and Agency'. It convenes technology innovators, industry movers, policy and legal experts, and leading academic researchers to build consensus on creating standards, certifications, and codes

of conduct that encompass ethical considerations around consumer and patient data for the global community.

As part of this activity, IC's working groups are focusing on viabilities for possible standards related to identification, and on providing industry guidance on, for instance, 'connecting the unconnected', and on how to build a framework in digital transactions, aiming to empower the individual to securely manage its identity.

*\*Draft standards projects, once approved, are often revised and/or used as the base for new projects, and therefore may appear in both the "active standards" and "projects under development" lists.*

*\*\*For the full and most-up-to-date list, please go to <https://standards.ieee.org/standard/index.html>*