



BIOMETRIC STANDARDS UPDATE

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Biometric Standards Developers

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|-----------------|-----------------------|---|
| 1. 199? - 2025 | FBI EFTS/EBTS | Transactions with FBI + Fp sensor specs |
| 2. 1998 - 2002 | Biometrics Consortium | BioAPI + testing |
| 3. 200? - 2025 | DHS IXM | Transactions with DHS |
| 4. 2002 - 2025 | ISO/IEC SC 37 | Biometrics |
| 5. 2025 - 2025 | SC27 + SC 37 Joint WG | Injection attack + biometric security |
| 6. 198? - 2025 | ISO/IEC SC 27 | Computer security |
| 7. 200? - 2025 | ISO/IEC SC 17 WG 11 | Biometric “match-on-card” |
| 8. 2001 - 2025 | ICAO / NTWG | Passports + (visas?) |
| 9. 199? - 2025 | FISWG / OSAC | Forensics / human / image manipulation / 1:N |
| 10. 201? - 2025 | ASTM | Face photography standard |
| 11. 2021 - 2023 | IEEE | Demographics + Template Protection |
| 12. 201? - 2025 | ETSI | Security / Attack / IDMS |
| 13. 201? - 2025 | FIDO | Person-to-phone-to-internet |
| 14. 201? - 2025 | NIEM | Biographics + ... + ANSI/NIST Biometrics |

ISO/IEC TR 49794 *Transition 19794 → 39794 Data*

ISO/IEC 30136 *Template Protection Tests*

ISO/IEC 29196 TS *Enrollment*

ISO/IEC 2382-37 *Vocabulary*

ISO/IEC 9868 *Passive Capture 1:N*

ISO/IEC 19795-1 *Testing Principles*

ISO/IEC 30107-3 *PAD Tests*

ISO/IEC 22604 TS *Moving subjects PACS*

ISO/IEC 30107-4 *PAD Tests Mobile*

2019...2022

2023

2024

2025

ISO/IEC 39794-5 *Face Image*

ISO/IEC 19795-10 *Demographics Tests*

ISO/IEC 39794-6 *Iris Image*

ISO/IEC 29794-5 *Face Quality*

ISO/IEC 39794-4 *Fingerprint Image*

ISO/IEC 29794-4 *Fingerprint Quality*

ISO/IEC 19794-14 *DNA*

ISO/IEC 20059 *Morph Attack Poten.*

ISO/IEC 39794-12 *Fingermark Data*

ISO/IEC 29794-12 *Fingermark Quality*

NOTABLE + NEW
PROJECTS:
... NEXT SLIDE

NOTABLE STANDARDS

- » ANSI/NIST ITL 1
- » ISO/IEC 39794-5
- » ISO/IEC 29794-5
- » ISO/IEC 25456
- » ISO/IEC 25447
- » ISO/IEC 20059
- » ISO/IEC 9868
- » ISO/IEC 19795-6
- » ISO/IEC 19795-10
- » ISO/IEC CD 30136
- » ISO/IEC FUTURE?
- » ISO/IEC 30107-FUTURE?
- » FUTURE?
- » FUTURE?
- » ISO/IEC 18013-7
- » ISO/IEC 22566-x
- » NIST SP 800-63-4
- » ETSI TS 119 461
- Biometric Data Interchange (in LE)
- Extensible face interchange – passports 2030 (TODAY)
- Face image quality (diagnostics, OFIQ) (TODAY)
- Biometric data injection attack detection (TODAY)
- Less Constrained Face Capture (TODAY)
- Morph attack potential
- Biometrics on passively captured subjects
- Operational testing (TODAY)
- Measuring demographics effects
- Testing of template protection schemes (TODAY)
- Face images on QR codes (THURSDAY)
- Presentation attack detection – required attacks in tests
- Guidelines for morph detection in operations
- Risk management (framework?)
- Personal ID – mobile driving licenses: Add on functions
- Age assurance
- Digital identity guidelines
- Policy and security requirements for ... identity proofing

THANK YOU



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