

An insight into biometrics good practices



2021 ICAO TRIP VIRTUAL SYMPOSIUM

25 May 2021

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Policy and standards development takes time

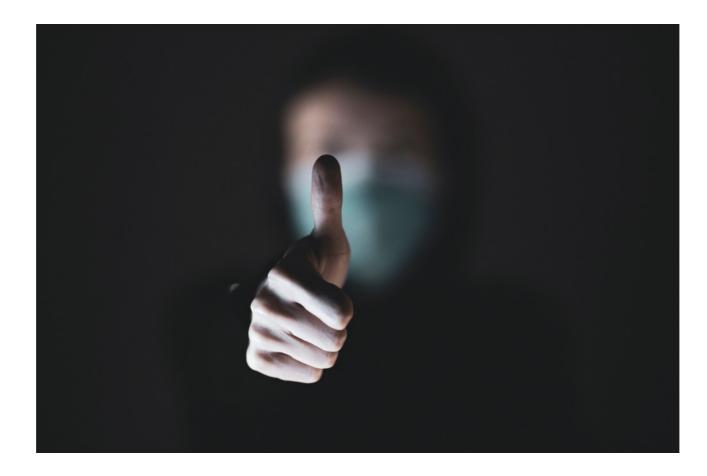


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Contactless is imperative

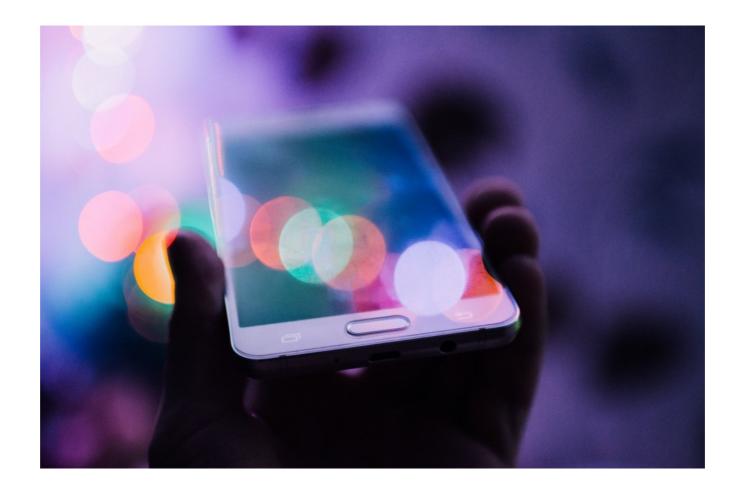


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Surge in remote onboarding



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Biometric gates provide efficiency and security



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Identity and health credentials



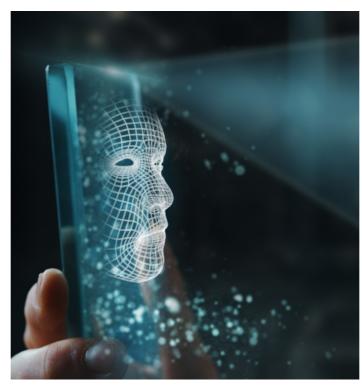






Know your implementation - recent releases







Should we ban facial recognition viewpoint paper

Digital onboarding and biometrics guiding paper

State of Biometrics Report podcast

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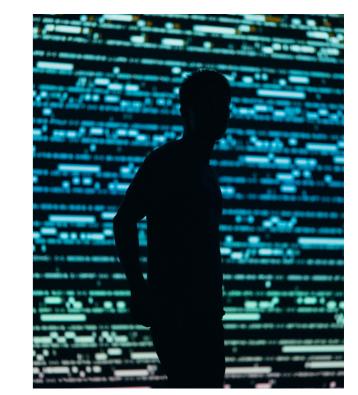


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The Three Laws of Biometrics

- POLICY comes first: Any use of biometrics is proportionate, with basic human rights, ethics and privacy at its heart.
- 2. PROCESS follows policy: Safeguards are in place to ensure decisions are rigorously reviewed, operations are fair and operators are accountable.
- **3. TECHNOLOGY** guided by policy and process: Know your algorithm, biometric system, data quality and operating environment and mitigate vulnerabilities, limitations and risks.

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Biometrics Institute Good Practice Framework



A first-of-its-kind tool which provides a structured pathway through the factors that may influence or constrain a biometric application

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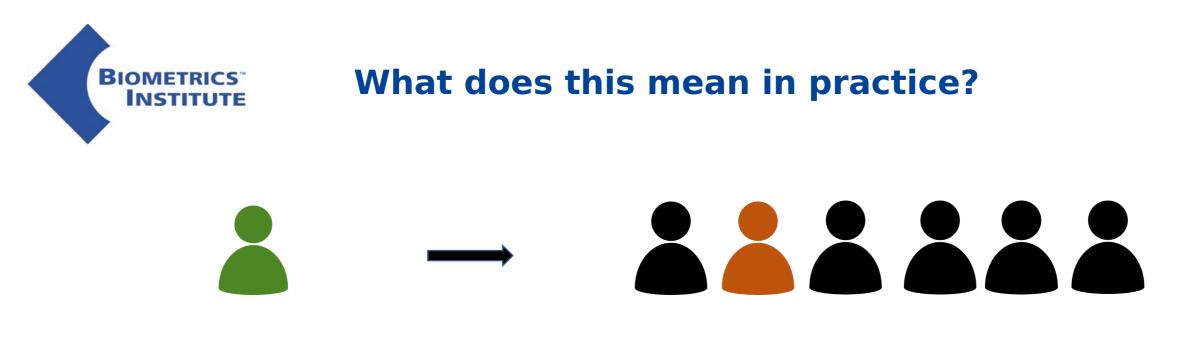
Privacy Guidelines update



- The revised *Privacy Guidelines* released at the beginning of May
- Two new principles have been added

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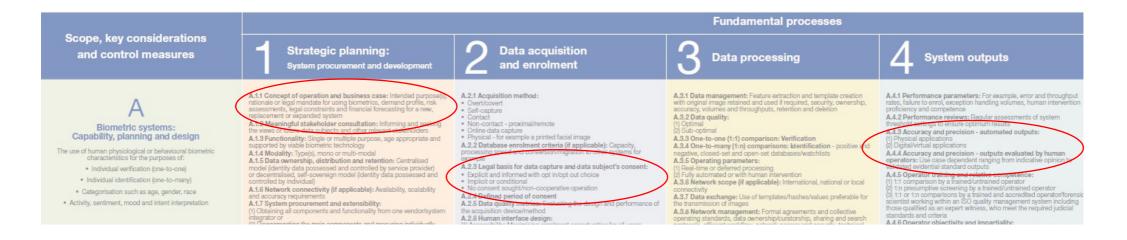
Scenario:

1:1 automated face verification e-gates -> adding watch list capability to search the faces 1:n





What does this mean in practice?



Good Practice Framework

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A.1.1 Concept of operations and business case & A.2.3 legal basis for data capture & A.1.2. Meaningful stakeholder consultation
A.1.4 Modality & A.4.3 accuracy & B.4.2 system bias

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What does this mean in practice?

Privacy Guidelines

Mistakes occur - expert human intervention needed

Principle 8: Non-discrimination

Principle 6: Fair handling of complaints and enquiries

Principle 6: Truth and accuracy in business and legal affa

	BIOMETRICS
	Biometrics Institute Privacy Guidelines A good practice guide for biometrics and privacy, lawfulness, fairness, transparency and trust
ffi	May 2021
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Upcoming events

- 2 June 2021: Member Meeting Updates from Australia and New Zealand, online
- 29 June 2021: Member Meeting Updates from the US, online
- 6, 13, 20 & 26 October 2021: Biometrics Institute Congress, London, online
- 17 November 2021: Showcase Australia, Canberra

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• **On demand:** Biometrics Vulnerabilities Workshop - How robust is your system?

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• On demand: Global Good Practice Series: Biometrics and surveillance

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