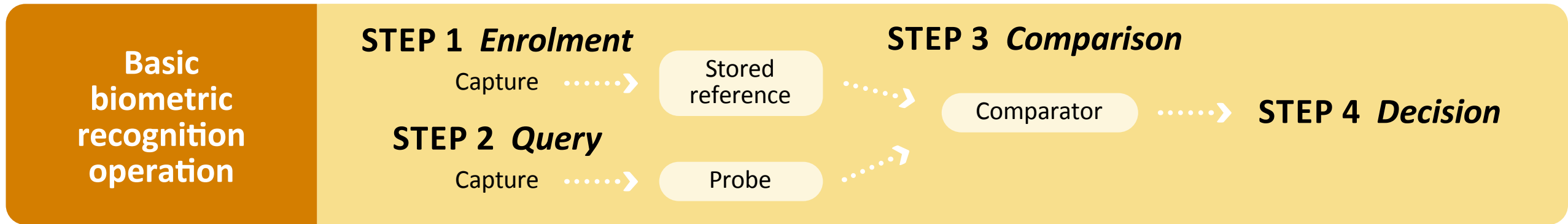


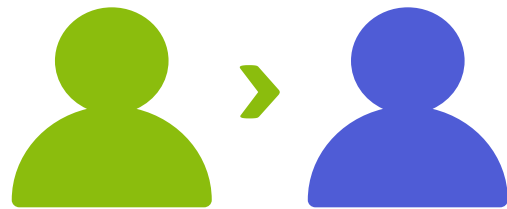
VERIFICATION AND IDENTIFICATION: BASIC OPERATING PROTOCOLS



Verification (1:1)

Am I who I say I am?

Confirm an identity claim through biometric comparisons*



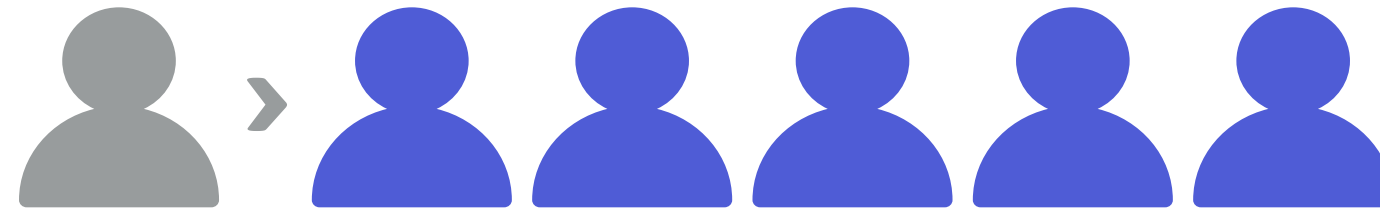
Mobile device, passport, access control

Typically need to claim an identity

Identification (1:N)

Is the data subject in the database?

Search against a biometric enrolment database to find and return the biometric reference attributable to a single individual*



Access control, benefits, trusted traveller

Typically without a document or PIN

Deduplication

Used as a check during ID issuance, e.g. drivers license

Screening

Used to query an individual to gather additional information before a decision is made on an application

Forensic search

Investigative, typically manually reviewed before any official action

Real-time search

Often called "surveillance" when used with CCTV and face biometrics. For other biometric modalities, this may not apply

Verification to protect information e.g. mobile devices

Verification of individual when presenting documents e.g. passport

Verification of credential to access a secured place

Facility entry without use of card

Validation without need to provide a document

Check a database to ensure person not already present under another identity

Search a database to obtain additional information (positive or negative)

Search a database for a prior record

Check against a database of persons -of-interest e.g. watch lists

*ISO/IEC 2382-37:2022 Information technology, Vocabulary Part 37: Biometrics <https://www.iso.org/standard/73514.html>

Disclaimer: The use cases are only examples, not a definitive list. There could be more detail, but for the purpose of this graphic, we have kept it high level. Some systems may use one or more of these configurations.

Note: While there are parts of the biometric industry that offer definitions for authentication and verification and the differences between them, these are inconsistently applied. Whenever such a difference is drawn, the meaning intended should be clarified.