

Non-technical aspects of biometrics

*The activity of ISO/IEC JTC1 SC37 WG6 on
"Cross-jurisdictional and societal" aspects of biometrics*



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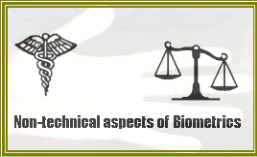
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ISO/IEC JTC1 SC37 WG6 on

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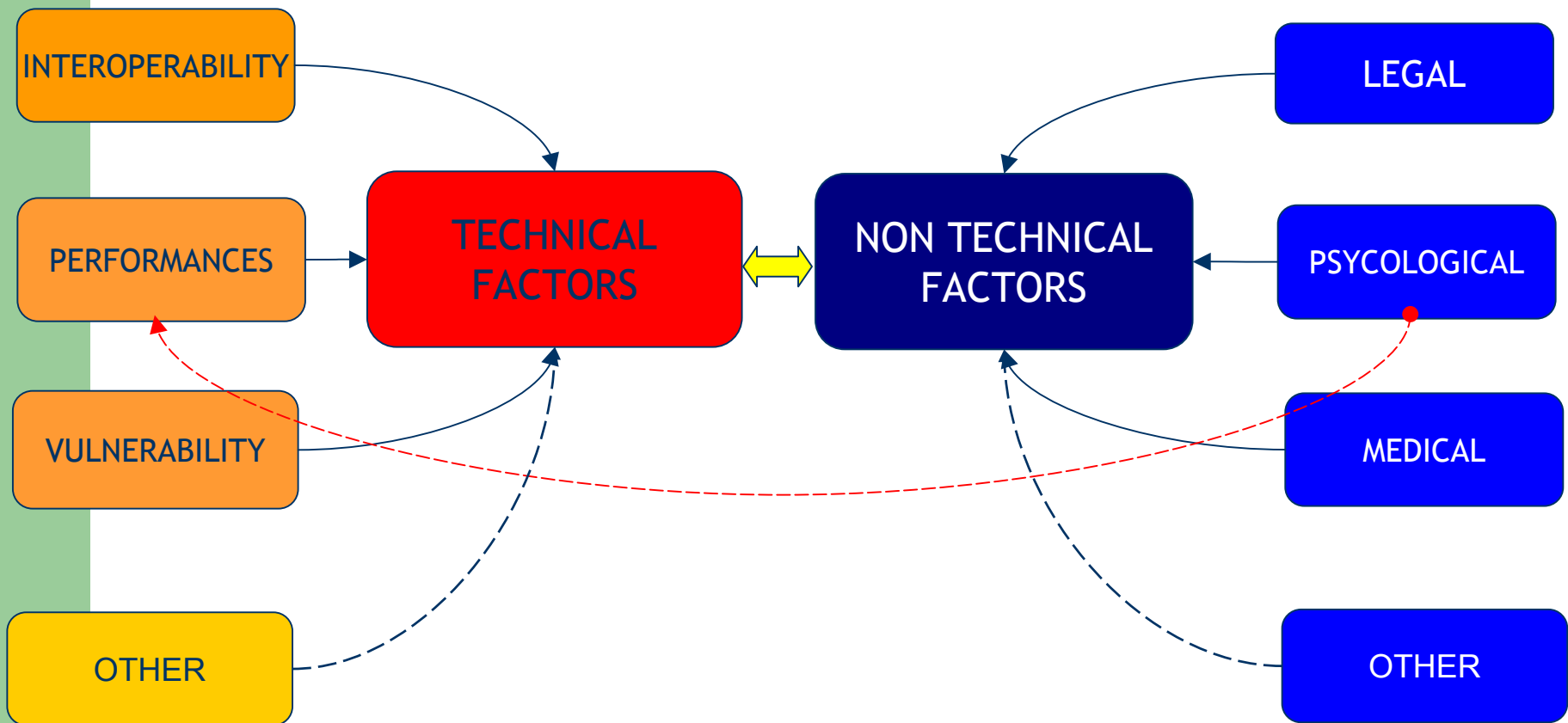
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The non-technical aspects

- Many experts maintain that non-technical aspects should be considered as very significant factors for a satisfactory diffusion of biometric applications
- Examples of non technical aspects may be represented by:
 - User's acceptance
 - Ergonomics
 - Health and safety
 - Psychology
 - Legal and social issues
 - Data Protection legislation
 - Accessibility

Some technical and non-technical factors



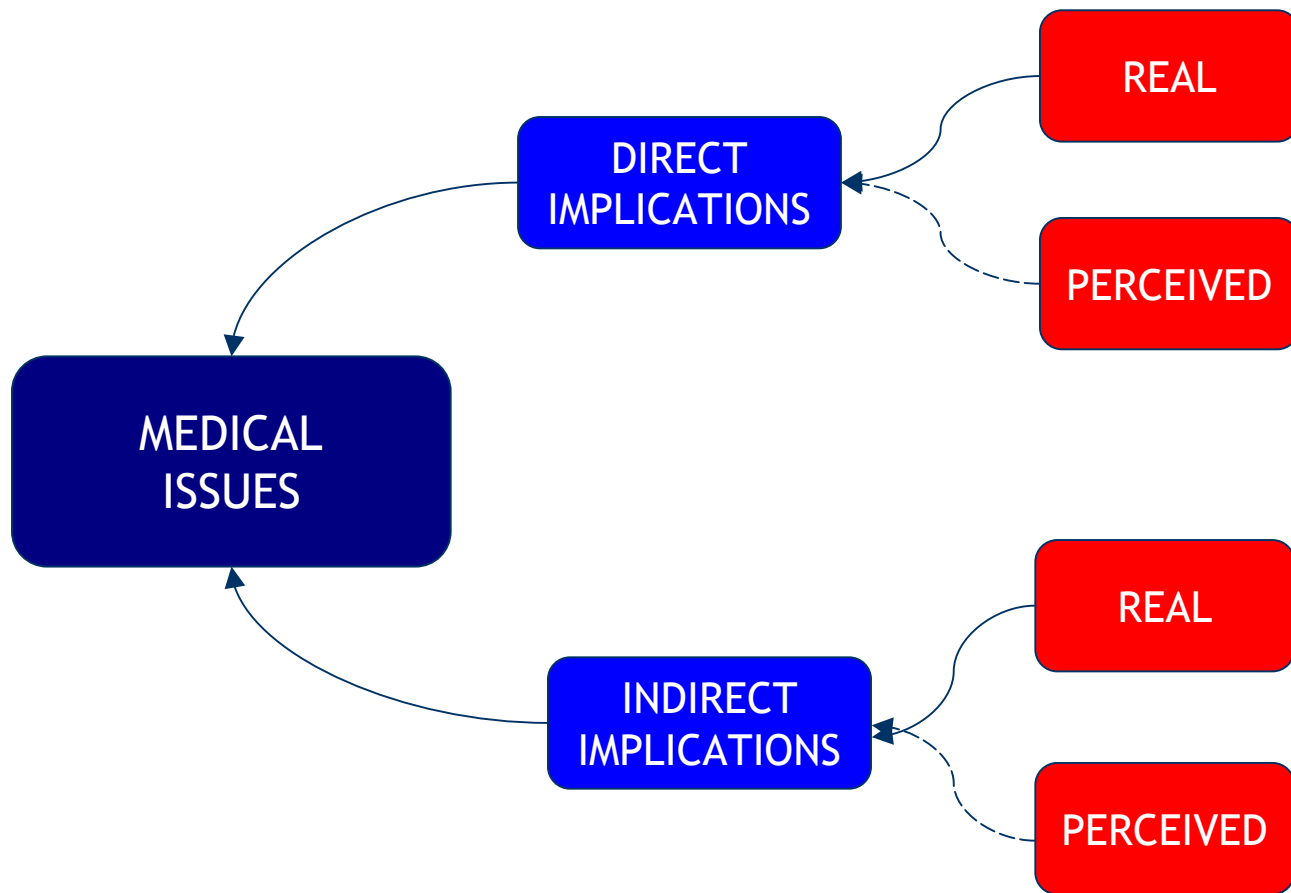
The Health & Safety aspects

- “User Acceptance” is one of the most significant factors in the successful take-up of biometric applications
- It has been rarely examined with respect to the medical aspects
- As biometrics will gain prominence, an increase of interest for health and safety issues could be expected

DMI and IMI

- Medical Direct Implications (DMI)
 - potential risk associated to the use of biometrics
- Indirect Medical Implications (IMI)
 - privacy implications which can be put in evidence by a biometric process
- Both DMI and IMI have a rational and irrational component

The Medical Issues



ISO / IEC JTC1 SC37

ISO/JTC1 SUBCOMMITTEE 37 WORKING GROUPS

- WG 1 - WORKING GROUP ON HARMONIZED BIOMETRIC VOCABULARY AND DEFINITIONS
- WG 2 - WORKING GROUP ON BIOMETRIC TECHNICAL INTERFACES
- WG 3 - WORKING GROUP ON BIOMETRIC DATA INTERCHANGE FORMATS
- WG 4 - WORKING GROUP ON PROFILES FOR BIOMETRIC APPLICATIONS
- WG 5 - WORKING GROUP ON BIOMETRIC TESTING & REPORTING
- WG 6 - WORKING GROUP ON CROSS-JURISDICTIONAL AND SOCIETAL ASPECTS OF BIOMETRICS

WG 6's Terms of reference

- Standardization in the field of cross-jurisdictional and societal aspects in the application of ISO/IEC biometrics standards.
- Within this context, the terms of reference includes the support of design and implementation of biometric technologies with respect to:
 - Accessibility
 - Health & Safety
 - Support of legal requirements and acknowledgement of cross-jurisdictional and societal considerations pertaining to personal information

WG 6's activity

- Working Group 6 of Subcommittee SC 37 is developing a Technical Report on the cross-jurisdictional and societal issues surrounding the introduction and use of biometrics in applications
- The Technical Report will focus specifically on the issues of accessibility (e.g. disability and age-dependency), health & safety and personal data protection and privacy.

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Thanks for the attention