

ICS 35.240.15

English Version

## Biometrics Interoperability profiles - Best Practices for slap tenprint captures

Interopérabilité des profils biométriques -  
Recommandations pour la capture de dix empreintes  
digitales à plat

Profile für die biometrische Interoperabilität - Optimales  
Vorgehen bei Erfassung aller Finger mittels gleichzeitigem  
Auflegen

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## Foreword

This document (CEN/TS 16428:2012) has been prepared by Technical Committee CEN/TC 224 "Personal identification, electronic signature and cards and their related systems and operations", the secretariat of which is held by AFNOR.

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## 1 Scope

The main goal of this Technical Specification is to give guidelines to follow during the acquisition process of slap tenprints in order to obtain fingerprints with the best quality possible in acceptable time constraints.

NOTE Non-cooperative users are out of the scope of this Technical Specification.

When using ten-fingerprint sensors, it is fundamental to know how to use them and how to proceed during the acquisition. This Technical Specification describes how to capture fingerprints correctly by specifying best practices for slap ten-print captures.

This Technical Specification gives guidance on the following topics:

- 1) Recommendations on the hardware of the fingerprint sensor and its deployment,
- 2) Recommendations on user guidance,
- 3) Recommendations on the enrolment process including a sample workflow,
- 4) Recommendations for developers and system integrators on application software,
- 5) Recommendations on processing, compression and coding of the acquired fingerprint images,
- 6) Recommendations on operational issues and data logging,
- 7) Recommendations on the evaluation of a solution and its components.

Although this Technical Specification primarily focuses on reaching optimal data quality for enrolment purposes, the recommendations given here are applicable for other purposes. All processes which rely on good quality tenprint slaps can take advantage of the best practices reported here.