
**Information technology — Biometric
presentation attack detection —**

**Part 4:
Profile for testing of mobile devices**

*Technologies de l'information — Détection d'attaque de présentation
en biométrie —*

Partie 4: Profil pour les essais des dispositifs mobiles

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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions, and abbreviated terms	1
4 Conformance	2
5 Profile for PAD testing of mobile devices	2
Annex A (informative) Roles in PAD testing of mobile devices	9
Bibliography	10

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Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 37, *Biometrics*.

A list of all parts in the ISO/IEC 30107 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The presentation of an artefact or of human characteristics to a biometric capture subsystem in a fashion intended to interfere with system policy is referred to as a presentation attack. The ISO/IEC 30107 series deals with techniques for the automated detection of presentation attacks. These techniques are called Presentation Attack Detection (PAD) mechanisms.

PAD subsystems are commonly integrated into mobile devices^[1]. The following characteristics of mobile devices necessitate the development of a profile of ISO/IEC 30107-3 specific to PAD testing^[2]:

- Mobile devices often have accelerated product development timelines, such that time and resources for PAD testing may be limited.
- A single type of biometric subsystem is often integrated into a wide range of mobile devices, so results from a single test may be applicable to multiple types of mobile devices.
- Biometric subsystems integrated into mobile devices are typically closed systems, such that performance testing takes place through a full-system evaluation.

This document provides requirements for assessing the performance of PAD mechanisms on mobile devices with local biometric recognition.

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