
**Information technology — Security
techniques — Requirements for partially
anonymous, partially unlinkable
authentication**

*Technologies de l'information — Techniques de sécurité — Exigences
pour l'authentification partiellement anonyme, partiellement non fiable*



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Foreword

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The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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Introduction

The current state of the art for entity authentication requires the revelation of the identifiable information of an entity being authenticated. In many types of transactions, the entity would prefer to remain anonymous and unlinkable, which means that when two transactions are performed, it is difficult to distinguish whether the transactions are performed by the same user or two different users. However, in some circumstances there are legitimate reasons to enable subsequent reidentification (e.g., the interest of accountability). The term 'partially anonymous, partially unlinkable' means that an a priori designated opener, and that designated opener only, can identify the authenticated entity. For example, a library may need to identify an entity that has not returned a borrowed book in order to send a late notice to the entity. Current cryptographic technologies are available to provide partially anonymous, partially unlinkable authentication. This International Standard defines a framework and requirements for partially anonymous, partially unlinkable authentication.

Information technology — Security techniques — Requirements for partially anonymous, partially unlinkable authentication

1 Scope

This International Standard provides a framework and establishes requirements for partially anonymous, partially unlinkable authentication.