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Information technology — Open Systems Interconnection — Security frameworks for open systems: Access control framework

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Cadres généraux pour la sécurité des systèmes ouverts: Cadre général de contrôle d'accès

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Contents

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. 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.

International Standard ISO/IEC 10181-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 21, *Open Systems Interconnection, data management and open distributed processing,* in collaboration with ITU-T. The identical text is published as ITU-T Recommendation X.812.

ISO/IEC 10181 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Security frameworks for open systems*:

— *Part 1: Overview*

— *Part 2: Authentication framework*

— *Part 3: Access control framework*

— *Part 4: Non-repudiation framework*

— *Part 5: Confidentiality framework*

— *Part 6: Integrity framework*

— *Part 7: Security audit framework*

Annexes A to G of this part of ISO/IEC 10181 are for information only.

Introduction

This Recommendation | International Standard defines a general framework for the provision of access control. The primary goal of access control is to counter the threat of unauthorized operations involving a computer or communications system; these threats are frequently subdivided into classes known as unauthorized use, disclosure, modification, destruction and denial of service.