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Part 3: Management abstract service definitions and procedures

*Technologies de l'information — Bureautique — Application impression
de documents (DPA) —*

Partie 3: Définitions et procédures de service abstrait de gestion

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this part of ISO/IEC 10175 may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

International Standard ISO/IEC 10175-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

ISO/IEC 10175 consists of the following parts, under the general title *Information technology — Test and office systems — Document Printing Application (DPA)*:

- *Part 1: Abstract service definition and procedures*
- *Part 2: Protocol specification*
- *Part 3: Management abstract service definitions and procedures*

Annexes A and B form a normative part of this part of ISO/IEC 10175.

Information technology — Text and office systems — Document Printing Application (DPA) —

Part 3: Management abstract service definitions and procedures

Section 1 - General

1 Scope

The Document Printing Application is one component of a coordinated set of facilities and standards needed to satisfy the printing requirements of the modern distributed office. Together, the capabilities provided can enable users to create and produce high-quality office documents in a consistent and unambiguous manner within a distributed open systems environment.

The Document Printing Application Standard (ISO/IEC 10175) consists of three parts:

- Part 1: Abstract service definitions and procedures
- Part 2: Protocol specification
- Part 3: Management abstract service definition and procedures

This part of ISO/IEC 10175 extends the facilities specified in ISO/IEC 10175-1 by adding the capability for administrators and operators to manage and control printers, print servers and all other print objects; in addition, this part specifies additional capabilities for a print client to control a print job. The text and specifications contained in this part of ISO/IEC 10175 are derived from IEEE 1387.4 (POSIX) - System Administration Part 4 - Printing Interfaces. In particular, this part of ISO/IEC 10175:

- specifies additional administrative functions and services that may be provided by Document Printing Application servers;
- specifies the Document Printing Application abstract service for the additional administrative functions using the principles established by the Abstract Service Definition Conventions (ISO/IEC 10021-3);
- specifies the requirements for conformance with the Document Printing Application for these additional administrative functions.

See clause 1 of ISO/IEC 10175-1 for a more extensive description of the Document Printing Application.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 10175. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 10175 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO/IEC 10175-3:2000(E)

- ISO/IEC 7498-1: 1994, *Information technology - Open Systems Interconnection - Basic Reference Model: The Basic Model.*
- ISO/IEC 7498-2: 1989, *Information processing systems - Open Systems Interconnection - Basic Reference Model - Part 2: Security Architecture.*
- ISO/IEC 8824: 1990, *Information technology - Open Systems Interconnection - Specification of Abstract Syntax Notation One (ASN.1).*
- ISO/IEC 8825: 1990, *Information technology - Open Systems Interconnection - Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1).*
- ISO/IEC 10021-3: 1990, *Information technology - Text Communication - Message-Oriented Text Interchange Systems (MOTIS) - Part 3: Abstract Service Definition Conventions.*
- ISO/IEC 10175-1: 1996, *Information technology - Text and office systems - Document Printing Application (DPA) - Part 1: Abstract service definition and procedures.*
- IEEE 1387.4 / D9, *Draft Standard for Information Technology - POSIX System Administration - Part 4: Printing Interfaces, IEEE, March 1998.*