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Information Processing — SGML Support Facilities — SGML Document Interchange Format (SDIF)

Traitement de l'information — Bureautique — Format d'échange de document SGML (SDIF)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75% approval by the member bodies voting.

International Standard ISO 9069 was prepared by Technical Committee ISO/TC97, *Information processing systems*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Annex A is for information only.

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Information Processing — SGML Support Facilities — SGML Document Interchange Format (SDIF)

1 Scope

This International Standard specifies a data structure known as the SGML Document Interchange Format (SDIF). SDIF enables a document conforming to ISO 8879, which might be stored in several entities, to be packed into a data stream for interchange in a manner that will permit the recipient to reconstitute the separate entities.

SDIF also allows related documents to be included in the data stream, such as covering letters, transmittal forms, catalog cards, formatting procedures, or the “document profile” required by a document architecture.

2 Field of application

The SGML Document Interchange Format shall be used solely for the interchange of SGML documents, as defined in ISO 8879, among SGML systems.

Interchange can be by means of data communications in Open Systems Interconnection or other environments, or by the exchange of storage media.

3 References

ISO 2022, *Information processing — ISO 7-bit and 8-bit coded character sets — Code extension techniques*.

ISO 8879, *Information processing — Text and office systems — Standard Generalized Markup Language (SGML)*.

This International Standard uses formal syntax productions to define SDIF precisely. These are expressed in ASN.1, which is defined in the following International Standards:

ISO 8824, *Information processing systems — Open Systems Interconnection — Specification of Abstract Syntax Notation One (ASN.1)*.

ISO 8825, *Information processing systems — Open Systems Interconnection — Specification of basic encoding rules for Abstract Syntax Notation One (ASN.1)*.

4 Definitions

For the purposes of this International Standard, the definitions used in ISO 8879, and the following definitions, apply.

4.1 data stream character set: The character set used for all document markup in an SDIF data stream, and for all SDIF names and SDIF identifiers.

4.2 document descriptor: A component of an SDIF data stream that contains an SGML document entity and entity descriptors for all external entities that are directly or indirectly referenced from it.

4.3 document profile: A transmittal form, defined by a document architecture or application, that describes the characteristics of a conforming document that are relevant to its management or interchange.