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Information and documentation - Bibliographic data element directory - Part 5: Data elements for the exchange of cataloguing and metadata

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**Information and documentation —
Bibliographic data element directory —**

Part 5:
**Data elements for the exchange of
cataloguing and metadata**

*Information et documentation — Répertoire des éléments de données
bibliographiques —*

*Partie 5: Éléments de données pour l'échange de catalogues et de
métadonnées*



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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.

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

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

Attention is drawn to the possibility that some of the elements of this part of ISO 8459 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8459-5 was prepared by Technical Committee ISO/TC 46, *Information and documentation*, Subcommittee SC 4, *Computer applications in information and documentation*.

ISO 8459 consists of the following parts, under the general title *Information and documentation — Bibliographic data element directory*:

- *Part 1: Interloan applications*
- *Part 2: Acquisitions applications*
- *Part 3: Information retrieval applications*
- *Part 4: Circulation applications*
- *Part 5: Data elements for the exchange of cataloguing and metadata*

Annex A forms a normative part of this part of ISO 8459. Annexes B and C are for information only.

Introduction

Data are interchanged for the purpose of starting or supporting a process. In order to transmit information required to support a process, the various elements of data in the interchanged messages must be fully understandable for the processes concerned. This part of ISO 8459 describes, in the form of a directory, data elements used to support cataloguing.

The data elements that may occur in a cataloguing transaction are presented in four ways:

- a) a data element directory (see clause 4), and code values and description for messages (see A.2) and date/time qualifier (see A.3);
- b) an index (see clause 5) consisting of names, keywords and synonyms for data elements, and data element values, including names assigned to messages (see annex A);
- c) a structured order of data elements (see clause 6) which relates similar data elements in a hierarchical fashion;
- d) a matrix (see clause 7) showing the data elements pertaining to specific cataloguing messages.

This part of ISO 8459 is the fifth part of a series which comprises a comprehensive data element directory for bibliographic use. This part of ISO 8459 is primarily intended for new cataloguing systems, for the exchange of cataloguing messages between different systems and for the exchange of data between client and server in the client/server model.

