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Information technology — Data Management —

Part 3:
IRDS export/import facility

Technologies de l'information — Gestion de données —

Partie 3: Aide export/import IRDS

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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.

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 13238-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 32, *Data management services*.

ISO/IEC 13238 consists of the following parts, under the general title *Information technology — Data Management*:

— *Part 1: Export/import framework*

— *Part 2: SQL import/export*

— *Part 3: IRDS export/import facility*

Annex A forms an integral part of this part of ISO/IEC 13238. Annexes B to E are for information only.

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Introduction

ISO/IEC 13238 is a three part standard. Part 1 defines an overall framework for Export/Import facilities.

Part 2 defines facilities for export from and import to SQL databases that conform to ISO/IEC 9075.

This part, Part 3, defines facilities for export from and import to an IRD and or an IRD Definition that conform to ISO/IEC 10728.

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Information technology — Data Management —

Part 3:
IRDS export/import facility

1. Scope

This part of ISO/IEC 13238 enables the bulk transfer of all or part of the data contained in an Information Resource Dictionary (IRD) or in an Information Resource Dictionary Definition conforming to ISO/IEC 10728:1993 IRDS Services Interface.

This part of ISO/IEC 13238 defines a format for such a transfer and also services to generate the export file and services to import the file. These services are additional to the existing services defined in the IRDS Services Interface.

This version of this part of ISO/IEC 13238 defines a limited set of Export and Import services. It is expected that implementations will also provide more sophisticated services based on the use of the Transfer File structure defined in this part of ISO/IEC 13238.

The physical way in which the transfer takes place is outside the scope of this part of ISO/IEC 13238. Each transfer may be effected in one of several ways including the physical transfer of the data using a transportable storage device.

2. Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 13238. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 13238 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 6429:1992, *Information technology - Control functions for coded character sets.*

ISO/IEC 9075:1992, *Information technology - Database languages - SQL.*

ISO/IEC 10027: 1990, *Information technology - Information Resource Dictionary System (IRDS) framework.*

ISO/IEC 10646-1:1993, *Information technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane.*

ISO/IEC 10728: 1993, *Information technology - Information Resource Dictionary System (IRDS) Services Interface.*

ISO/IEC 13238-1:—[1], *Information technology - Data Management - Part 1: Export/import framework.*

[1] To be published.