INTERNATIONAL STANDARD

ISO/IEC 22091

First edition
2002-09-15

Information technology — Streaming Lossless Data Compression algorithm (SLDC)

Technologies de l'information — Algorithme de compression sans perte de données en mode continu (SDLC)

Reference number
ISO/IEC 22091:2002(E)

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Printed in Switzerland

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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.

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

The main task of the joint technical committee is to prepare International Standards. 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 International Standard may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 22091 was prepared by ECMA (as ECMA-321) and was adopted, under a special “fast-track procedure”, by Joint Technical Committee ISO/IEC JTC 1, *Information Technology*, in parallel with its approval by national bodies of ISO and IEC.

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Information technology — Streaming Lossless Data Compression algorithm (SLDC)

1 Scope

This International Standard specifies a lossless compression algorithm to reduce the number of 8-bit bytes required to represent data records and File Marks. The algorithm is known as Streaming Lossless Data Compression algorithm (SLDC).

One buffer size (1 024 bytes) is specified.

The numerical identifier according to ISO/IEC 11576 allocated to this algorithm is 6.

2 Conformance

A compression algorithm shall be in conformance with this International Standard if its Encoded Data Stream satisfies the requirements of this International Standard.

3 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative document 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 11576:1994 *Information technology — Procedure for the registration of algorithms for the lossless compression of data*

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