INTERNATIONAL STANDARD ISO 2195

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Data interchange on rolled-up punched paper tape – General requirements

iTeh STANDARD PREVIEW
(standards.iteh.ai)

First edition – 1972-02-15

ISO 2195:1972
https://standards.iteh.ai/catalog/standards/sist/85ff2660-4f9b-454b-8700-5c0327949461/iso-2195-1972

UDC 681.327.44

Ref. No. ISO 2195-1972 (E)

Descriptors : data recording, punched tapes.

Price based on 1 page

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

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.

iTeh STANDARD PREVIEW

International Standard ISO 2195 was drawn up by Technical Committee ISO/TC 97, *Computers and information processing*.

(standards.iteh.ai)

It was approved in July 1971 by the Member Bodies of the following countries:

ISO 2195:1972
https://standards.iteh.ai/catalog/standards/sist/85ff2660-4f9b-454b-8700-5c032949461f/iso-2195-1972

Belgium	Germany	Sweden
Brazil	Italy	Switzerland
Canada	Japan	Thailand
Czechoslovakia	Portugal	United Kingdom
Egypt. Arab. Rep. of	South Africa, Rep. of	U.S.A.
France	Spain	U.S.S.R.

The Member Body of the following country expressed disapproval of the document on technical grounds:

New Zealand

© **International Organization for Standardization, 1972** •

Printed in Switzerland

Data interchange on rolled-up punched paper tape – General requirements

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the main characteristics and conventions intended to facilitate the exchange of rolled-up, punched paper tape used for information handling.

NOTE – Data interchange by means of rolls of tape contained on reels or cores will be the subject of a future International Standard.

It is intended that properties and dimensions of the unpunched paper tape, the punching dimensions and the coding to be used shall be in accordance with the appropriate ISO documents (see section 2).

2 REFERENCES

ISO/R 1729, *Properties of unpunched paper tape.*

ISO/R 1154, *Dimensions for punched paper tape for data interchange.*

ISO/R 1113, *Representation of 6 and 7 bit coded character sets on punched tape.*

ISO/R 646, *6 and 7 bit coded character sets for information processing interchange.*

iTeh STANDARD PREVIEW
(standards.iteh.ai)
ISO 2195:1972
https://standards.iteh.ai/catalog/standards/sist/8512600-4f98-4546-8700-5c0327949461/iso-2195-1972

3 TRANSPORTATION

It is important that tape for data interchange shall not be damaged or contaminated during transport from one installation to another. Therefore adequate protection shall be provided by means of a suitable container.

4 STORAGE CONDITIONS

Storage of tapes in extreme conditions of heat, moisture or dryness is to be avoided : tapes which are to be read must be satisfactorily stored, in the recommended atmospheric conditions, within 40 to 60 % relative humidity. If tapes have been treated otherwise, it will be necessary to condition them for many hours, or even several days, to reacclimatize them to the proper conditions.

5 INTERCHANGE TAPE FORMAT

5.1 Preliminary arrangements

It will ordinarily be necessary, before interchanging data on punched tape, for the sender and receiver to have made certain preliminary arrangements of detail such as the type of data concerned, whether to read forward or backward, reel off from the outside or the inside of the roll, shipping and wrapping practices, etc.

5.2 Leaders and trailers

In order to facilitate tape handling on reeling equipment, each coil of punched tape shall have a leader and a trailer, at least 1.2 m (4 ft) in length. Each leader and trailer shall include a minimum of 100 identical characters immediately before and after data characters respectively.

5.3 Direction of movement

Tapes for data interchange shall be marked, or the ends cut, to give a positive indication of the direction of forward movement at the time of punching. Examples of such markings are a distinctively cut end of tape (arrow head), pre-printed or hand-written arrows or an adhesive label. If pre-printed, the directional markers shall be on the outside surface of the unpunched roll and shall be printed in non-abrasive, low density ink on the entire length of the tape, spaced not more than 150 mm (approximately 6 in) apart.

5.4 Cores

A core, if used, shall be strong enough to maintain the inner diameter of a coil during normal practical use.

5.5 Outer diameter of interchange rolls

The outer diameter shall not exceed 150 mm (approximately 6 in). Larger diameter rolls may be exchanged by special agreement between the interested parties.

5.6 Splicing

Splices shall not be permitted throughout the length of the tape except by special agreement between the interested parties.

5.7 Hand-written information

Hand-written information, if any, shall be placed outside the data-bearing portion of the punched tape.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
This page intentionally left blank
ISO 2195:1972
https://standards.iteh.ai/catalog/standards/sist/85ff2660-4f9b-454b-8700-5c0327949461/iso-2195-1972