



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1028

FLOWCHART SYMBOLS FOR INFORMATION PROCESSING

1st EDITION

March 1969

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Printed in Switzerland

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BRIEF HISTORY

The ISO Recommendation R 1028, *Flowchart symbols for information processing*, was drawn up by Technical Committee ISO/TC 97, *Computers and information processing*, the Secretariat of which is held by the United States of America Standards Institute (USASI).

Work on this question led, in 1965, to the adoption of a Draft ISO Recommendation.

In November 1967, this Draft ISO Recommendation (No. 1299) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Israel	Switzerland
Belgium	Italy	Turkey
Canada	Japan	U.A.R.
Czechoslovakia	Netherlands	United Kingdom
Denmark	New Zealand	U.S.A.
France	Portugal	U.S.S.R.
Germany	Spain	Yugoslavia
India	Sweden	

One Member Body opposed the approval of the Draft :

Finland

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in March 1969, to accept it as an ISO RECOMMENDATION.

FLOWCHART SYMBOLS FOR INFORMATION PROCESSING

1. SCOPE

This ISO Recommendation establishes graphical symbols for use in flowcharts for information processing systems, including automatic data processing systems.

2. FIELD OF APPLICATION

The graphical symbols included in this ISO Recommendation are intended to represent on flowcharts both

- the sequence of operations and
- the flow of data and paperwork

of information processing systems. This ISO Recommendation does not cover : identifying, descriptive or explanatory information written inside or adjacent to a symbol; or pictorial type flowcharts that utilize pictures or drawings to depict a system.

3. CONVENTIONS

3.1 The general direction of flow shall be

Left to Right

Top to Bottom

Arrows indicating the flow shall be used when the flow is not as specified.

Arrows indicating the flow should be used whenever increased clarity will result.

3.2 Flow lines may cross; this means they have no logical interrelation.

3.3 Two or more incoming flow lines may join with one outgoing flow line.

3.4 While this ISO Recommendation does not make exact specifications about height to width ratios, it does require the user not to vary these to such an extent that the symbol is not immediately recognizable.