INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

B.10

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

MEANS OF EXPRESSION

GRAPHICAL SYMBOLS AND RULES FOR THE PREPARATION OF DOCUMENTATION IN TELECOMMUNICATIONS

ITU-T Recommendation B.10

(Extract from the *Blue Book*)

NOTES

1   ITU-T Recommendation B.10 was published in Fascicle I.3 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).

2   In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation B.10[1]

GRAPHICAL SYMBOLS AND RULES FOR THE PREPARATION OF DOCUMENTATION
IN TELECOMMUNICATIONS

The CCITT,

which cooperates in the work of the CCI/IEC Joint Working Group set up for the purpose of establishing internationally agreed graphical symbols and rules for the preparation of documentation and for item designations (see CCITT Recommendation A.13 or CCIR Resolution 23),

recommends

that, on diagrams for international use concerning telecommunications, the Administrations and recognized private operating agencies of the CCIs and CCI Secretariats should use the graphical symbols for diagrams given in IEC Series 617 publications and should observe the rules for the preparation of documentation and for item designation laid down in IEC, Publications 113 and 750.

Administrations wishing to use symbols on equipment are recommended to refer to IEC Publication 417.

Note 1 – See CCIR Resolution 23.

Note 2 – References of relevant publications (updated in 1988).

IEC Publication 113: "Diagrams, charts, tables"

113-1	(1971)	(Definitions and classification)
113-2	(1971)	(Item designation of components) replaced by Publication 750
113-3	(1974)	(General recommendations for the preparation of diagrams)
113-4	(1975)	(Recommendations for the preparation of circuit diagrams)
113-5	(1975)	(Preparation of interconnection diagrams and tables)
113-6	(1976 and Amend. 1 1983)	(Preparation of unit wiring diagrams and tables)
113-7	(1981)	(Preparation of logic diagrams)
113-8	(1982 and Amend. 1 1983)	(Preparation of diagrams for system manuals)

IEC Publication 117: "Recommended graphical symbols", replaced by Publication 617

IEC Publication 416: (1972 and 1978 amendment No. 1): "General principles for the formulation of graphical symbols"

IEC Publications 417: (1973 and 7 supplements of 1974, 1975, 1977, 1978, 1980, 1982 and 1985): "Graphical symbols for use on equipment"

IEC Publication 617: "Graphical symbols for diagrams"

617-1	(1985):	General information, General Index. Cross-reference tables
617-2	(1983):	Symbol elements, qualifying symbols and other symbols having general application
617-3	(1983)	Conductors and connecting devices
617-4	(1983)	Passive components

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[1]   A similar text will be submitted to the CCIR as a revision of Rec. 461-3.

617-5	(1983)	Semi-conductors and electron tubes
617-6	(1983)	Production and conversion of electrical energy
617-7	(1983)	Switchgear, controlgear and protective devices
617-8	(1983)	Measuring instruments, lamps and signalling devices
617-9	(1983)	Telecommunications: Switching and peripheral equipment
617-10	(1983)	Telecommunication: Transmission
617-11	(1983)	Architectural and topographical installation plans and diagrams
617-12	(1983)	Binary logic elements
617-13	(1983)	Analogue elements

IEC Publication (1983): "Item designation in electrotechnology"