INTERNATIONAL STANDARD 2047

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Information processing — Graphical representations for the control characters of the 7-bit coded character set

Traitement de l'information — Représentation graphique des caractères de commande du jeu de caractères codés à 7 éléments

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FOREWORD

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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.

International Standard ISO 2047 was drawn up by Technical Committee ISO/TC 97, *Computers and information processing*, and circulated to the Member Bodies in December 1972.

It has been approved by the Member Bodies of the following countries :

Belgium	Ireland	South Africa, Rep. of
Brazil	Italy	Sweden
Canada	Japan	Switzerland
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The Member Bodies of the following countries expressed disapproval of the document :

Germany
Netherlands

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Information processing — Graphical representations for the control characters of the 7-bit coded character set

1 SCOPE

This International Standard specifies graphical representations of the control characters of columns 0 and 1 of the ISO 7-bit coded character set for information interchange (ISO 646). It also provides graphical representations for the normally non-printing character SPACE (position 2/0 of the Code Table) and for the character DELETE (position 7/15 of the Code Table).

Two modes of representation are given in this International Standard :

— a set of specific symbols where a single character is required for the graphical representation of each of these normally non-printing characters;

— a set of alphanumeric representations comprising two characters derived from the abbreviations used in the ISO 7-bit table.

2 FIELD OF APPLICATION

These graphical representations are intended for use for display of control characters on devices when the graphical representation of these normally non-printing characters is required. Among the devices included are paper tape punches, printers and CRT equipment. Various areas of use are possible; for example, monitoring and diagnostic applications.

The precise font design is not part of this International Standard.

The implementation of some of the symbols does not imply that the whole set should be available.

Each alphanumeric representation is to be considered as a single symbol. It may occupy either one or more positions on a printed or displayed line depending on the implementation.

3 REFERENCE

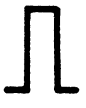
ISO 646, *7-bit coded character set for information processing interchange.*

4 REPRESENTATIONS

Position in the 7-bit set table	Set table name	Meaning	Pictorial representation	Alphanumeric representation
0/0	NUL	Null		NU
0/1	TC_1	Start of heading		SH
0/2	TC_2	Start of text		SX
0/3	TC_3	End of text		EX
0/4	TC_4	End of transmission		ET
0/5	TC_5	Enquiry	 1)	EQ
0/6	TC_6	Acknowledge		AK
0/7	BEL	Bell		BL

1) The pictorial representation of position 0/5 is a schematic representation of  which may also be used when equipment allows it.

Position in the 7-bit set table	Set table name	Meaning	Pictorial representation	Alphanumeric representation
0/8	FE_0	Backspace		BS
0/9	FE_1	Horizontal tabulation		HT
0/10	FE_2	Line feed		LF
0/11	FE_3	Vertical tabulation		VT
0/12	FE_4	Form feed		FF
0/13	FE_5	Carriage return		CR
0/14	SO	Shift-out		SO
0/15	SI	Shift-in		SI

Position in the 7-bit set table	Set table name	Meaning	Pictorial representation	Alphanumeric representation
1/0	TC_7	Data link escape		DL
1/1	DC_1	Device control		D1
1/2	DC_2	–		D2
1/3	DC_3	–		D3
1/4	DC_4	–		D4
1/5	TC_8	Negative acknowledge		NK
1/6	TC_9	Synchronous idle		SY
1/7	TC_{10}	End of transmission block		EB