

TYPE: Control Character Set	REGISTRATION NUMBER : 77 DATE OF REGISTRATION: October 1,1983
ESCAPE SEQUENCE	G0 : - G1 : - G2 : - G3 : - C0 : - C1 : ESC 2/2 4/3
<u>NAME</u> C1 Control Character Set of ISO 6429	
<u>DESCRIPTION</u> A set of 22 control characters intended for use as a C1 set. The use of these control characters is specified in International Standard ISO 6429.	
<u>SPONSOR</u> Secretariat of ISO/TC97/SC2	
<u>ORIGIN (USER)</u> ISO 6429	
<u>FIELD OF UTILISATION</u> Information interchange with character-imaging devices.	

C1 SET

7-bit coding

8-bit coding

IND	ESC 4/4
NEL	ESC 4/5
SSA	ESC 4/6
ESA	ESC 4/7
HTS	ESC 4/8
HTJ	ESC 4/9
VTS	ESC 4/10
PLD	ESC 4/11
PLU	ESC 4/12
RI	ESC 4/13
SS2	ESC 4/14
SS3	ESC 4/15
DCS	ESC 5/0
PU1	ESC 5/1
PU2	ESC 5/2
STS	ESC 5/3
CCH	ESC 5/4
MW	ESC 5/5
SPA	ESC 5/6
EPA	ESC 5/7
CSI	ESC 5/11
ST	ESC 5/12
OSC	ESC 5/13
PM	ESC 5/14
APC	ESC 5/15

b ₆	1	1			
b ₇	0	0			
b ₈	0	0			
b ₉	0	1			
	08	09			
b ₁	b ₂	b ₃	b ₄		
0	0	0	0	00	DCS
0	0	0	1	01	PU1
0	0	1	0	02	PU2
0	0	1	1	03	STS
0	1	0	0	04	IND CCH
0	1	0	1	05	NEL MW
0	1	1	0	06	SSA SPA
0	1	1	1	07	ESA EPA
1	0	0	0	08	HTS
1	0	0	1	09	HTJ
1	0	1	0	10	VTS
1	0	1	1	11	PLD CSI
1	1	0	0	12	PLU ST
1	1	0	1	13	RI OSC
1	1	1	0	14	SS2 PM
1	1	1	1	15	SS3 APC

Acronym	Name	Description
IND	INDEX	IND is a format effector which causes the active position to be moved to the corresponding character position of the following line.
NEL	NEXT LINE	NEL is a format effector which causes the active position to be moved to the first character position of the following line.
SSA	START OF SELECTED AREA	SSA indicates that the active position is the first of a string of character positions, the contents of which are eligible to be transmitted in the form of a data stream or transferred to an auxiliary input/output device. The end of this string is indicated by END OF SELECTED AREA (ESA). The string of characters actually transmitted or transferred depends on the setting of the GUARDED AREA TRANSFER MODE and on any guarded areas established by START OF PROTECTED AREA (SPA) or DEFINE AREA QUALIFICATION (DAQ).
ESA	END OF SELECTED AREA	ESA indicates that the active position is the last of a string of character positions, the contents of which are eligible to be transmitted in the form of a data stream or transferred to an auxiliary input/output device. The beginning of this string is indicated by START OF SELECTED AREA (SSA).
HTS	HORIZONTAL TABULATION SET	HTS is a format effector which causes a horizontal tabulation stop to be set at the active position. The number of lines affected depends on the setting of the TABULATION STOP MODE.
HTJ	HORIZONTAL TABULATION WITH JUSTIFICATION	HTJ is a format effector which causes the contents of the string of character positions between the preceding horizontal tabulation stop and the active position to be shifted forward to the following horizontal tabulation stop. The active position is also moved to the following horizontal tabulation stop. The character positions between the preceding horizontal tabulation stop and the beginning of the shifted string are erased.

Acronym	Name	Description
VTS	VERTICAL TABULATION SET	VTS is a format effector which causes a vertical tabulation stop to be set at the active line.
PLD	PARTIAL LINE DOWN	<p>PLD is a format effector which causes the active position to be moved to the corresponding character position of an imaginary line with a partial vertical offset. This offset should be sufficient either to image following characters as subscripts until the first following occurrence of PARTIAL LINE UP (PLU) in the data stream or, if the immediately preceding character is imaged as a superscript to restore subsequent imaging of characters to the active line</p> <p>Any interactions between PLD and vertical format effectors other than PLU are not defined by ISO 6429.</p>
PLU	PARTIAL LINE UP	<p>PLU is a format effector which causes the active position to be moved to the corresponding character position of an imaginary line with a partial vertical offset. This offset should be sufficient either to image following characters as superscripts until the first following occurrence of PARTIAL LINE DOWN (PLD) in the data stream, or, if the immediately preceding character is imaged as a subscript, to restore subsequent imaging of characters to the active line.</p> <p>Any interactions between PLU and vertical format effectors other than PLD are not defined by ISO 6429.</p>
RI	REVERSE INDEX	RI is a format effector which causes the active position to be moved to the corresponding character position of the preceding line.
SS2	SINGLE SHIFT TWO	SS2 alters the meaning of the single bit combination following it. That bit combination must be one of those from columns 2 to 7 except 2/0 and 7/15. The meaning of the bit combination concerned is derived from an appropriately designated G2 graphic set. The use of this control character is specified in ISO 2022.

Acronym	Name	Description
SS3	SINGLE SHIFT THREE	<p>SS3 alters the meaning of the single bit combination following it. That bit combination must be one of those from columns 2 to 7 except 2/0 and 7/15. The meaning of the bit combination concerned is derived from an appropriately designated G3 graphic set. The use of this control character is specified in ISO 2022.</p>
DCS	DEVICE CONTROL STRING	<p>DCS is the opening delimiter of a control string for device control use. The command string following consists of a sequence of bit combinations in the range 0/8 to 0/13 and 2/0 to 7/14. The control string is closed by the terminating delimiter STRING TERMINATOR (ST).</p> <p>The command string represents either one or more commands for the receiving device, or one or more status reports from the sending device. The purpose and the format of the command string are specified by the most recent occurrence of IDENTIFY DEVICE CONTROL STRING, IDCS (see ISO 6429), if any, or depend on the sending and/or the receiving device.</p> <p>This control function may need to be represented by a graphic symbol.</p>
PU1	PRIVATE USE ONE	<p>PU1 is reserved for a function without standardized meaning for private use as required, subject to the prior agreement of the sender and the recipient of the data.</p>
PU2	PRIVATE USE TWO	<p>PU2 is reserved for a function without standardized meaning for private use as required, subject to the prior agreement of the sender and the recipient of the data.</p>
STS	SET TRANSMIT STATE	<p>STS causes the transmit state to be established in the receiving device. In this state the transmission of data from the device is possible.</p> <p>The actual initiation of transmission of data is performed by a data communication or input/output interface control procedure which is outside the scope of ISO 6429.</p>

Acronym	Name	Description
CCH	CANCEL CHARACTER	<p>The transmit state is established either by the operation of an appropriate button on a keyboard or by SET TRANSMIT STATE (STS) appearing in the received data stream.</p> <p>CCH indicates that both the preceding character in the data stream, if it is a graphic character (represented by one or more bit combinations) including SPACE, and the control function CCH itself are to be ignored for further interpretation of the data stream. If the character preceding CCH is a control function or part of a coded control function, the effect of CCH is not defined by ISO 6429.</p>
MW	MESSAGE WAITING	<p>MW causes a message waiting indicator to be set in the receiving device. An appropriate acknowledgement to the receipt of MW may be given by DEVICE STATUS REPORT, DSR (see ISO 6429).</p>
SPA	START OF GUARDED PROTECTED AREA	<p>SPA indicates that the active position is the first of a string of character positions, the contents of which are protected against manual alteration and, guarded against transmission or transfer, and may be protected against erasure, depending on the setting of the ERASURE MODE. The end of this string is indicated by END OF GUARDED PROTECTED AREA (EPA).</p>
EPA	END OF GUARDED PROTECTED AREA	<p>EPA indicates that the active position is the last of a string of character positions, the contents of which are protected against manual alteration, are guarded against transmission or transfer, and may be protected against erasure, depending on the setting of the ERASURE MODE. The beginning of this string is indicated by START OF GUARDED PROTECTED AREA (SPA).</p>
CSI	CONTROL SEQUENCE INTRODUCER	<p>CSI is the first character of a control sequence.</p>

Acronym	Name	Description
ST	STRING TERMINATOR	<p>ST is the closing delimiter of a string opened by APPLICATION PROGRAM COMMAND (APC), DEVICE CONTROL STRING (DCS), OPERATING SYSTEM COMMAND (OSC), or PRIVACY MESSAGE (PM).</p> <p>This control function may need to be represented by a graphic symbol.</p>
OSC	OPERATING SYSTEM COMMAND	<p>OSC is the opening delimiter of a control string for operating system use. The command string following consists of a sequence of bit combinations in the range 0/8 to 0/13 and 2/0 to 7/14. The control string is closed by the terminating delimiter STRING TERMINATOR (ST). The interpretation of the command string depends on the relevant operating system.</p> <p>This control function may need to be represented by a graphic symbol.</p>
PM	PRIVACY MESSAGE	<p>PM is the opening delimiter of a control string for privacy message use. The command string following consists of a sequence of bit combinations in the range 0/8 to 0/13 and 2/0 to 7/14. The control string is closed by the terminating delimiter STRING TERMINATOR (ST). The interpretation of the command string depends on the relevant privacy discipline.</p> <p>This control function may need to be represented by a graphic symbol.</p>
APC	APPLICATION PROGRAM COMMAND	<p>APC is the opening delimiter of a control string for an application program use. The command string following consists of a sequence of bit combinations in the range 0/8 to 0/13 and 2/0 to 7/14. The control string is closed by the terminating delimiter STRING TERMINATOR (ST). The interpretation of the command string depends on the relevant application program.</p> <p>This control function may need to be represented by a graphic symbol.</p>