

Ref.: Standards – ST.31 page: 3.31.1

STANDARD ST.31

RECOMMENDED STANDARD CODED CHARACTER SETS FOR THE EXCHANGE OF MACHINE-READABLE RECORDS OF PATENT DOCUMENTS

INTRODUCTION

- 1. This recommended Standard provides character sets for the coding of patent documents for the purpose of exchange on machine-readable records, e.g., on magnetic tape. The character sets include those characters, numerals and special symbols likely to be encountered during the processing of patent documents.
- 2. For the purposes of this recommended Standard the expression "patent document" comprises patents for invention, plant patents, inventors' certificates, design patents, utility certificates, utility models, documents of addition thereto and published applications therefor.
- 3. In compiling this recommended Standard, the following ISO standards were consulted:

ISO 6937 This standard refers to:

A basic character set—International reference Version (ISO 646)

Tables of accented characters Code extension technique (ISO 2022)

ISO 5428 Greek alphabet

ISO 6862 Mathematical symbols.

CODE PAGES

- 4. The character sets are coded by means of a number of Code Pages. Each Code Page has a theoretical capacity of (16x16) 256 positions. In practice the first 64 positions of each Code Page are reserved for control codes, leaving a maximum of 192 positions usable for characters.
- 5. The recommended Standard at present comprises the following Code Pages:

Code Page 0 - standard Roman alphabet, numerals, punctuation, accented characters

Code Page 1 - Greek alphabet and some mathematical symbols

Code Page 2 - further mathematical symbols

Code Page 3 - Cyrillic character set

Code Page 8 - further special print characters

Code Page 9 - KANJI character set, where each character is represented by a two-byte code.

The above Code Pages are fully defined in the Appendices to this Standard.

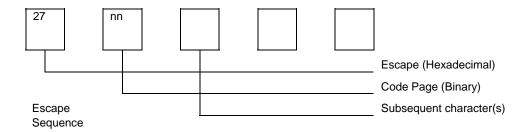
- 6. The character sets will be extended when new or previously unnecessary character sets or symbols become known. Moreover, further Code Pages will be elaborated to cover characters used in alphabets other than those defined in Code Pages 0, 1, 2, 3, 8 and 9.
- 7. In the tables accompanying each of the Code Pages, each of the codes provided for are defined by a print of the character concerned together with a description of the character. The code itself is quoted using two characters, the first character being the column of the code table with the second character being the row of the code table.



Ref.: Standards – ST.31 page: 3.31.2

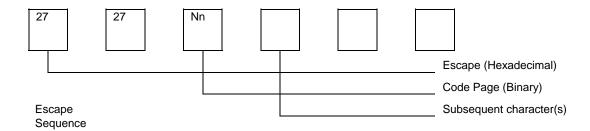
CODE PAGE SWITCHING

8. The mechanism for switching between Code Pages is an escape sequence in the data stream which indicates both that a switch must be performed and gives the identity of the Code Page (nn) required.



The selected Code Page remains active until a subsequent escape sequence is encountered indicating another Code Page.

However, switching to Code Page 9 would signal the start of two-byte representation. To escape from Code Page 9, the appropriate (two-byte) escape sequence must be used as follows:





Ref.: Standards – ST.31 page: 3.31.3

EXTENDED CHARACTER SET

CODE PAGE 0

<u> </u>	col	0	1	. z	3	4	5	6	7	8	9	A	В	С	D	Ε	7
اد	=		<u></u>	,,			Ō				10)			11		
300	Bit Pat	00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11
1	0000					SP	8	-	ø	Ø	0	Щ	¢	{	}	\	0
1	0001					RSP	é	/	É	а	j	?	٤	A	J	NSP	1
2	0010					â	ı e	Ã	Ê	Ь	k	s	¥	В	ĸ	s	2
	0011					a	e	Ä	Ë	υ	1	t.	Pts	С	L	T	3
	0100					à	e	À	È	đ	m	u	f	D	М	U	4
	0101		NL	LF		á	ĺ	Á	Í	е	n	٧	§	E	N	V	5
H	0110					ã	î	Ã	Î	f	0	w	11	F	0	W	6
-	0111			ESC		å	ï	Å	Ï	g	р	x	i i	G	P	X	7
	1000					ç	ì	ç	Ì	h	q	У	¥.	Н	Q	Y	8
9	1					ñ	ß	Ñ	`	i	r	z	ł	I	R	Z	9
	1010					Į.]	1	:	~	<u>a</u>	i		SHY	1	2	3
-	101						\$,	#	>>	<u>o</u>	ن		6	a	ô	ũ
	1100	HP				<	*	8	@	ăı	æ	Ð		ö	ü	ö	ü
F	1101	_				()		,	ý	,	Ý		δ	a	ò	ù
F.	1110					+	,	>	=	Þ	Æ	þ	-	Ó	ű	ó	ΰ
-	1111				l	!	^	?	"	<u>±</u>	¤	®	_	õ	ÿ	õ	⊞

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
00			1A		
01			1B		
02			1C		
03			1D		
04			1E		
05			1F		
06			20		
07			21		
08			22		
09			23		
0A			24		
0B			25	LF	Line Feed control code
0C	NP	New Page control code	26		
0D	CR	Carriage Return control code	27	ESC	Escape control code
0E			28		
0F			29		
10			2A		
11			2B		
12			2C		
13			2D		
14			2E		
15	NL	New Line control code	2F		
16			30		
17			31		
18			32		
19			33		



Ref.: Standards – ST.31 page: 3.31.4

CODE PAGE **0**

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
2C			59	Ŧ.	Small i grave
20			59	B	Small s sharp
2E			5A	נו	Close bracket
2F			5B	\$	Dollar
30		•	5C	*	Asterisk
31			5D)	Close parenthesis
32			5E	;	Semicolon
33			58	^	Circumflex
34			50	-	Hyphen
35			51	/	Solidus
36			52	A	Capital A circumflex
37			63	X	Capital A umlaut
38			54	*	Capital A grave
39			65	Á	Capital A acute
3A ·			ćá	T	Capital A tilde
3B			67	Ā	Capital A overcircle
3C			68	ç	Capital C cedilla
3D			69	ท	Capital N tilde
38		·	6A	١	Broken vertical bar
3F			68	·	Comma .
40	SP	Space	6C	*	Percent
41	RSP	Required Space	6D	-	Underscore
42	â	Small a circumflex	6E	,	Greater than
43	ă	Small a umlaut	ó₽	?	Question mark
44	à	Small a grave	70	6	Small o slash
-5	á	Small a acute	71	٤	Capital E acute
46	ã	Small a tilde	72	Ê	Capital E circumflex
47	å	Small a overcircle	73	Ě	Capital E umlaut
48	ç	Small c cedilla	74	È	Capital E grave
49	ñ	Small n tilde	75	Í	Capital I acute
4 A	[Open bracket	76	î	Capital I circumflex
4B		Period	77	Ï	Capital I umlaut
4C	۷.	Less than	78	ì	Capital I grave
4D	(Open parenthesis	79		Grave .
4E		Plus	7A	:	Colon
4F	:	Exclamation mark	79	*	Numeral sign
50	å	Ampersand	7C	•	Commercial at
51	é	Small e acute	7D	'	Apostroph e
52	ê	Small e circumflex .	75	•	Equals
53	ě	Small e umlaut	7F	"	Quotation
54	è	Small e grave .	80	0	Capital O slash
55	1	Small 1 acute	81	•	Small a
56	t	Small i circumflex	32	ъ	Small b
57	ſ	Small i umlaut	83	٥	Small c



Ref.: Standards – ST.31 page: 3.31.5

CODE PAGE 0

		DESCRIPTION	T		DESCRIPTION
CODE	CHAR	DESCRIPTION	CODE	CHAR	
34	t	Small d	31	£	Pound sterling
85	e	Small e	52	¥	Yen
36	r	Small f	33	Pts	Pesetas
37	g .	Small g	34	ſ	Dutch florin
38	h	Small h	25	9	Section sign
89	1	Small i	∃6	7	Paragraph sign
9.8	«	Much less than	37	\ \	Quarter .
89	*	Much greater than	38	ì	Half
ас	ā	Small Icelandic d	39	*	Three quarters
BD	ý	Small y acute	9 A	_	Logical not
38	Þ	Small thorn	9 B		Vertical bar
8 F	±	Plus Minus	3C	-	Overscore
90	٠ ا	Degree	aD.	•	Umlaut
91	ز	Small j	36	'	Acute
92	k	Small k	BF	-	Double underscore
93	1	Small 1	CO.	{	Open brace
94	ra	Small m	21	A	Capital A
95	n	Small n	C2	В	Capital B
96	۰	Small o	C3	С	Capital C
97	p	Small p	C4	D	Capital D
98	4	Small q	C5	Ε	Capital E
39	r	Small r	C6	F	Capital F
⊋A	<u>a</u>	Small a underscore	C7	G	Capital G
÷а	2	Small o underscore	C8	н	Capital H
9C	æ	Small & diphthong	C9	1	Capital I
90	,	Cedilla	CA	SHY	Syllable hyphen
ĢΕ	Æ	Capital Æ diphthong	СВ	ô	Small o circumflex
9F	Ħ	International currency sign	cc	ð	Small o umlaut
40	<u>u</u>	Small mu	وي	ò	Small o grave
41	~	Tilde	CΣ	5	Small o acute
12	3	Small s	∂ F	3	Small o tilde
43	t	Small t	20	}	Close brace
34	j u	Small u	21	J	Capital J
A5	, v	Small v	02	к	Capital K
46	.	Small w	03	ι	Capital L
۸7	×	Small ×	04	14	Capital M
A8	у	Small y	05	N	Capital N
49	z	Small z	06	0	Capital O
AA	i	Inverted exclamation mark	07	P	Capital P
AB	į	Inverted question mark	58	2	Capital Q
AC	Ð	Capital D stroke	09	3	Capital R
AD	Ý	Capital Y acute	DA	· :	Superscript 1
λE	P	Capital thorn	08	û	Small u circumflex
AF	®	Registered trademark	DC	ü	Small u umlaut
во		Cent	DD	ù	Small u grave



Ref.: Standards – ST.31 page: 3.31.6

CODE PAGE **0**

CODE	CHAR	DESCRIPTION
CODE	CHAR	DESCRIPTION .
DE	ú	Small u acute
DF	ij	Small ij umlaut
EO	`	Backward slash
Ε1	NSP	Numeric space
E2	s	Capital S
E3	Ť	Capital T
٤4	U	Capital U
€5	V	Capital V
E6	W	Capital W
57	x	Capital X
E8	Y	Capital Y
€9	z	Capital Z
EA		Superscript 2
€B	ô	Capital O circumflex
EC.	ō	Capital O umlaut
ED	ò	Capital O grave
EE	5	Capital O acute
EF	õ	Capital O tilde
FO	0	Figure 0
F1	1	Figure 1
F2	2	Figure 2
F3	3	Figure 3
F4	4	Figure 4
F5	5	Figure 5
F6	6	Figure 6
F7	7	Figure 7
F8	8	Figurge 8
F9	9	Figure 9
FA	,	Superscript 3
FB	û	Capital U circumflex
FC	Ü	Capital U umlaut
FD	ò	Capital U grave
FE	Ú	Capital U acute
FF	₩	Undefined character



Ref.: Standards – ST.31 page: 3.31.7

EXTENDED CHARACTER SET

CODE PAGE 1

	col	Ū	1	2	3	4	5	6	7	8	. 9	Α	В	С	D	Ε	F
Э	-		0	0			Ō	1			10			ļ	1.1	1	
Row	Bit Pgt	υÚ	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11
1	0000				•	SP	¥	•	C	•	%	21	0	{	}	\	٥
ļ,	0001					RSP		N	C	α	૭	1	1	7	_	NSP	1
2	0010					-	(>	U	В	K	σ	~	∞	§	Σ	2
Г	0011					_	>	^	O	1/2	ε	1	3	ψ	Ω	-	3
	0100					+	Ŗ	=	⊕	φ	μ	25	4	ф	9		4
Г	0101		NL	LF		*	€	7	L	E	V	X	5	4-	ک	α	5
	0110						:	〈		π	0	δ	6	Π	•	Δ	6
7	0111	-		ESC		Δ	1	>		λ	ρ	χ	7_	Λ	L	=	7
-	1000						>	7		η	γ		8	1	Γ	Υ	8
-	1001					/	ŧ	ц			θ	ζ	9	†	Θ	~	9
1	1010					[]		÷	Γ	T]	1	SHY	0	~	Ø
·B	1011					+	•	ç	±	1	+	I	◊	♦		_	1/8
C	1100	UF				٧	≠	ď	•		1		•		ø		3/8
П	1101	CR				()		′		TM		£		_	A	5/8
ε	1110					©	••	>	"				Ħ			1	7/8
	1111					√	^	5	®				¥	ъ		1	B

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
00			1A		
01			1B		
02			1C		
03			1D		
04			1E		
05			1F		
06			20		
07			21		
08			22		
09			23		
0A			24		
0B			25	LF	Line Feed control code
0C	NP	New Page control code	26		
0D	CR	Carriage Return control code	27	ESC	Escape control code
0E			28		
0F			29		
10			2A		
11			2B		
12			2C		
13			2D		
14			2E		
15	NL	New Line control code	2F		
16			30		
17			31		
18			32		
19			33		



Ref.: Standards – ST.31 page: 3.31.8

CODE PAGE 1

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
2B	-		58		Arrow S.E.(decays)
20			59	‡	
20			5A	i	Close bracket
2E			5B	1 1	Bullet
2 F		·	5C		Not equal to
30			5D	,	Close parenthesis
31			5€	-	Upper case umlaut
32			5F	-	Circumflex
33	i		50	١.	Period
34			61	2	Greater than or equal to
35			62	~	Logical OR
36			63	_	Logical AND
37			64	1 1	Parellel to
38) [65	Ž	Angle
39			66	\ \	Upper case open angle bracket
34	<u>†</u> ·		67	>	Upper case close angle bracket
3B			68	∓	Minus plus
3C	!!		69	×	Lozenge
3D			6A		Vertical bar
3E	'		6B	9	Female
3 F			6C	8	Male
40	SP	Space .	6D	_	Underscore
41	RSP	Required space	6E	>	Greater than
42	-	Equals ;	óF		Integral
43	-	Minus	70	n l	Intersection of classes
44	•	Plus	71	اںا	Union of classes
45	- 1	Lower case umlaut	72	ا د	Implied by
46			73	ا د ا	Implies
47	Δ	Increment	74	⊕	Direct sum
48			75		Right angle
49	/	Solidus	76		
4A	0	Open bracket	77		
4B	†	Dagger	78		-
4C	<	Less than	79		
4D	(Open parenthesis	7A	÷	Divide
4E	0	Copyright	7B	·	Plus minus
4F	√	Radical	7C	•	Degree
50	٤	Less than or equal to	70	.	Minutes
51	1		7E	-	Seconds
52	۲	Lower case open angle bracket	78	®	Registered trademark
53	,	Lower case close angle bracket	80	_	Double underscore
54	R.	Prescription	81	α	Small Greek alpha
55	€	Is not an element	82	В	Smell Greek beta
56		Therefore	83	y	Small Greek psi
57	_	Arrow H.E. (grows)			



Ref.: Standards – ST.31 page: 3.31.9

CODE PAGE 1

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
34	Φ	Small Greek phi	51	1	Subscript 1
95	ε	Small Greek epsilon	32	2	Subscript 2
96	π	Small Greek pi	83	3	Subscript 3
97	λ	Small Greek lambda	34	4	Subscript 4
58	η	Small Greek eta	85	5	Subscript 5
89	Ì		36	6	Subscript 6
8A	_	Box - upper left corner	87	7	Subscript 7
3₿	-	Box - left middle side	88	8	Subscript 8
ac	L	Box - lower left corner	39	9	Subscript 9
80			BA	1	Orthagonal
38			ВВ	\	Lozenge (diamond)
8F			ВС	•	Dark circle
90	%.	Permille	ВD	3	Pound sterling
91	v	Small Greek theta curly	BE	Ħ	International currency sign
92	K	Small Greek kappa	BF	¥	Yen
93	ω	Small Greek omega	ರಂ	{	Open brace .
94	μ	Small Greek mu	CI	▽	Differential vector operator
95	ע	Small Greek nu	C2	∞	Infinity
96	0	Small Greek omicron	C3	Ψ	Capital Greek psi
97	P	Small Greek rho	C4	Φ	Capital Greek phi
98	γ	Small Greek gamma	C5	-	Relata or a relation
99	Θ	Small Greek theta	C6	π	Capital Greek pi
9A	Т	Box - middle top	C7	٨	Capital Greek lamoda
9B	+	Box - intersect	C8	П	Paragraph sign
9C	T	Box - middle bottom	C9	1	Increases
9D	TM	Trade mark	CA	SHY	Syllable hyphen
9E			СВ	•	Solid diamond
9 F			cc	1	
AO	~	Similar to	CD		
A1	~	Tilde	CE		
A2	σ	Small Greek sigma	UF	6	Blank substitute
٨3	σ	Small Greek tau	00)	Close brace
A4	ξ	Small Greek xi	D1	=	Double overscore
A5			02	9	Section sign
A6	δ	Small Greek delta	03	Ω	Capital Greek omega
A7	X	Small Greek chi	D4	9	Partial d fferential
A8			D5	∼	Sine wave
A9	ζ	Small Greek zeta	D6	1	Decreases
AA		Box - upper right corner	07	1	Liters
AB		Box - middle right side	D8	Г	Capital Greek gamma
AC		Box - lower right corner	09	9	Capital Greek theta
AD	_	Underscore	DA	0	Square
AE			DB	•	End of proof
AF			DC	ø	Cancelled box
90	0	Subscript 0	DD	<u> </u>	liyphen



Ref.: Standards – ST.31 page: 3.31.10

CODE PAGE 1

CODE	CHAR	DESCRIPTION
DE	ĺ	
.,₽	1	
EO		Backward slash
81	NSP	Numeric space
E2	Σ	Capital Greek sigma
E3	-	Approaches
€4		
€5	α	Varies as
E6	Δ	Capital Greek delta
E7	=	Capital Greek xi
€8	Y	Capital Greek upsilon
E9	~	Asymptotically equal to
EΑ	~	Equivalent to
E 8	-	Logical NOT
F.C.		
£D	A	Solid triangle
33	1	Upper integral
25	1	Lower integral
FO	υ	Superscript 0
F1	1	Superscript 1
F2	2	Superscript 2
£3	3	Superscript 3
£4	4	Superscript 4
FS	5	Superscript 5
F6	6	Superscript 5
F7	7	Superscript 7
F8	3	Superscript 3
F 9	9	Superscript 9
Fλ	3	Slasn zero
FB	%	one eighth
FC	*	three eighths
FD	%	five eighths
FE	%	seven eighths
FF	Œ	Undefined character



Ref.: Standards – ST.31 page: 3.31.11

EXTENDED CHARACTER SET

CODE PAGE 2

K	(Col	0	1	2	3	4	5	6	7	8	9	A	В	С	D	E	F
:	₹	Bit		0()			0	1			10)			11		
[6		Bıt Fat	00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11
	ì	0000					SP		ļ][2	٧	⊊	∌	ø			
		0001					RSP		#	[][?	21	<u></u>	^	ø		NSP	
[2	0010						*	=		⊰	*	⊈	2	Ø			
	3	0011						§	}	ħ	1	≄	#	Э	4			
4	1	0100						≲	1	N	*	*	U		1			
	5	0101		NL	LF			¢۱	1	0	≉	€=	c	-	જ			
	7	0110						>	←	Φ	#	≱	٩	w-	Ø			
7	-	0111			ESC			2	⇒	8	≰	**	/	-*	_			
1	,	1000						IU	\Leftrightarrow	0	₹	¥	1	∄	\simeq			
5	,	1001						10	3	••	*	∧	+		=			
A	1	1010						\square	Ø	n	V#	√≀	٠	<u>4</u>	SHY			
i	3	1011						€	‡	Π	} ∦	>	0	=	X			
	-	1100	ИP					J	,	ĵ	٧_	≽		<u>-</u> -÷	a			
I	,	1101	CR					C	~		⋠	<u></u>	⊋	اط	,			
		1110)	***		-	*	\Rightarrow	<u> </u>	-			
	-	1111						$\overline{}$		÷	<u> </u>	\triangleright	⊉	-11-	+			B

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
00			1A		
01			1B		
02			1C		
03			1D		
04			1E		
05			1F		
06			20		
07			21		
80			22		
09			23		
0A			24		
0B			25	LF	Line Feed control code
0C	NP	New Page control code	26		
0D	CR	Carriage Return control code	27	ESC	Escape control code
0E			28		
0F			29		
10			2A		
11			2B		
12			2C		
13			2D		
14			2E		
15	NL	New Line control code	2F		
16			30		
17			31		
18			32		
19			33		



Ref.: Standards – ST.31 page: 3.31.12

CODE PAGE 2

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
2 C			58	<u>⊆</u>	Contained as subclass in set
2D			59	⊇	Contained as subset
2€			5A	€	Set membership
2F			5B	Э	Containing
30			5C	U	For all
31			5Đ	C	Complement
32	ĺ		58	1	Anti-clockwise
33			5F	^	Clackwise
34			50	-	Relata or a relation
35			61	=	Left arrow over right arrow
36			52	=	Right arrow over left arrow
37			63	→	Functional relationship
38	1		64	1	Double arrow upwards
39			55	1	Double arrow up and down
3A			56	👛	Is implied by
38	İ		57	 →	Implies
3C			58	\leftrightarrow	If and only if
3D			ė9	3	There exists
3€			óΑ	ø	Empty sec
3F			эB	ī	Vertical relationship
40	SP	Space	6C		Prime
41	858	Required space	άĐ		Double prime
42			25		Triple prime
43		:	c.F		
-4			70	1	Double integral
→ 5			71	III	Triple integral
40			72	"	
-7			73	ħ	Plank constant over 2m
+8			74	N	Aleph
49		-	75	,	Composite
- A			76	ė	Symmetric difference
÷9	,		77	8	Direct product
40			78	0	Tensor product
4D			79		Because
4E			7A	_	Image of
4F			7B	_	Original of
50			7C	-	Image of
51			70	_	Original of
52	≈	Asymptotic to	78	-}-	Hermitian conjugate matrix
53	\$	Less than or greater than	75	+	Direct sum
54	۶ خ	Less than or equivalent to	30	~	Most positive
55	~ ∢	Approximately equal to	81	~	Homothetic
56	₹	Greater than or less than	92	۲ ا	Element precedes under relation
57	2	Greater than or equivalent to	83	*	Not less than
"	~	G. Secer Chan or equivarient to			



Ref.: Standards – ST.31 page: 3.31.13

CODE PAGE 2

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
84	~	Not equivalent to	81	-	Product of intersection of classes or sets
35	a⊵	Not asymptotic to	82	3	Includes in set
86	<u>≠</u>	Not identical with	E3	3	Such than
87	≰	Neither less than nor equal to	В4	↔	Mutually implies
98	₹	Neither less than nor greater than	85	-	Implies
89	1	Neither less than nor equivalent to	56	₩	Functional relationship
e a	≤	Less than but not equal to	B7		On to map
39	ı́≃	Approximately but not actually	58	≱	There joes not exist
ac	1	equal to Has a lower rank than	В9		Parellelogram
8D	[Is contained in or equal to	БА	4	Spherical angle
38	♦	Symmetric difference	ъВ	=	Approximately equal to (is the image of)
8F	<u> </u>	Estimates	вс	∺	Geometric proportion
90		Implied by	BĐ	=	Statement is true (result in)
91	7 ≈	Asymptotic or equal to	υE	-	Assertion (reduced to)
. 92	 	Not greater than	₽Ł	∦	Not parellel to
93	2	Not asymptotically equal to	ċ0	ø	Contour integral
94	<i>≠</i>	leither approximately nor actually	C1	Ø	Contour integral clockwise
95	7 -3-	Geometrically equivalent to	Ü2	Ø	Contour integral anti-clockwise
96	≱	Neither greater than nor equal to	3	∱	Clockwise integral
97	¥	Neither greater than nor less than	C4	,	Inverted iota
98	*	Heither greater than nor equivalent	C5	80	Weierstrass elliptical function
99	~	Greater than but not equal to	C6	$ \emptyset $	Diameter
94	₹	Dominance	C7	 —	Fractional bar
98	>	: Has a higher cank than	C8	~	Asymptotically equal to
9C	>	Contains or is equal to	C9	==	Identical with
90	<u></u>	Approaches the limit	CA	SIIY	Syllable hyphen
9€	<u> </u>	Equiangular	CB	×	Multiply
98		Implies	cc	a	Superscript a
40	⊊	Is strictly included in set	CD	'	Superscript comma
Al	₹	Non-proper inclusion in set	CΕ	-	Superscript minus
AZ	⊈	Not contained as a subclass in a set	CF	•	Superscript plus
A3	∉	Is not an element of	DO		
A4	-	Sum or union of classes or sets	זפ		
A 5	c	Is included in set	D2		
à6	-	Arrow H.W.	03		
A7	/	Arrow S.W.	D4		
88	1	Half upwards arrow	D5		
A9	1	Does not tend to	D6	}	
AA	<u>-</u>	Curved arrow .	D7		
AB	0	Circle	D8	-	
AC		Rectangle	D9		1
AD	⊋	Strictly includes in set	DA		
AE	⊅	Does not properly include	08		
AF	≠	Does not contain as subset	DC		
90	∌	Does not contain	DD	L	



Ref.: Standards – ST.31 page: 3.31.14

CODE PAGE 2

CODE	CHAR	DESCRIPTION
DE		
DF)
60		
E1	NSP	Numeric space
E2		
€3		
E4		
€5		
₹6		
ε7		
58		
E9		
54		
ea .		
EC.		
50		
₹6		
EF		
FO		
F1		
F2		
F3		
F4		ŧ
£5		
F6		
F7		
FR		
F9		
FA		
FR		
FC		
FD		
FE		
FF	B	Undefined character



Ref.: Standards – ST.31 page: 3.31.15

EXTENDED CHARACTER SET

CODE PAGE 3

_		0	1	2	3_	4	5	6	7	8	9	A	В	С	D	E	7
		_	00				O,	1			10				1	1	
		00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11
0	0000					SP	&c	•		מ	Ħ	Я	ь	{	}	/	ø
1	0001					RSP		/		a	j		ы	A	J		1
2	010									ъ	k	8	3	В	ĸ	s	2
3	0011									c	1	t		С	L	T	3
4	0100									đ		บ	9	D	M	U	4
5	0101		NL	.L.P							n	A	щ	E	N	٧	5
6	0110								10	f	0	w	ų.	F	0	W	6
7	0110			ESC					a*	g	p	x	ъ	G	P	x	7
8	p111								ď	ħ	q	y	a	Н	Q	Y	8
9	1000	1							ŀ	i	r	z	٨.	I	R	z	9
A	1001					[]		! :	Д	K	p°	Б	x.	H.	T.	3
В	1011					•	¤	,	#	e*	Д	c*	Ц	И	0°	У	Ш
С	1100	MP				<	٠	%	0	Φ	M	T	Д	Я	П	H	Э
ρ	1101	CR				()	_	•	r	н	y.	E.	K.	Я	B.	Щ
E	1110					+	;	^	=	x.	0.	x	٥	Л	P*	ь	ч
F	1111					1	•	?	*	м	п	3	Г	M.	c•	H	⊞

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17	NP CR	New Page control code Carriage Return control code New Line control code	1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E 30 31 32 33	LF ESC	Line Feed control code Escape control code

^(*) Characters of the Cyrillic alphabet which coincide in their representation (but not in the meaning) with the corresponding characters of the Latin alphabet.



Ref.: Standards – ST.31 page: 3.31.16

CODE PAGE 3

Code	Char	Description	Code	Char	Description
2C			58		
2D			59		
2E			5A]	Close bracket
2F		·	5B	¤	International currency sign
30	1]	5C	*	Asterisk
31			5 D)	Close parenthesis
32			5E	,	Semicolon
33		1	5 F	^	Circumflex
34			60	-	Hyphen (minus)
35			61	/	Solidus (slash)
36			62		
37			63		
38			64		
39			65		
3 A			66		
3B			67		
3C			68	- 1	
3D			69		
3E			6A	- 1	Vertical bar
3F			6B	,	Comma
40	SP	Space	6C	8	Percent
41	RSP	Required space	6D	_	Underscore
42			6E	>	Greater than
43			6F	?	Question mark
44		i	70		
45			71	ĺ	
46			72	i	
47	- 1		73	- 1	
48	i		74	1	
49	-		75		
4A	1	Open bracket	76	ю	Small Ю
4B		Period	77	a*	Small a
4C	<	Less than	78	б	Small of
4D	(Open parenthesis	79	į	
4E	+	Plus	7A	:	Colon
4F	:	Exclamation mark	7B	#	Numeral sign
50	8	Ampersand	7C	# 00	Commercial at
51			70	•	Apostrophe
52			7E	=	Equals
53			7F	-	Quotation marks
54			80	ц	Small 4
55	- 1		81	a	Small latin a
56			82	ь	Small latin b
57			83	С	Small latin c



Ref.: Standards – ST.31 page: 3.31.17

CODE PAGE 3

Code	Char	Description	Code	Char	Description
84	đ	Small latin d	ві	ы	Small W
85	е	Small latin e	B2	3	Small 3
86	£	Small latin f	В3	w	Small W
87	g	Small latin g	B4	э	Small 3
88	h	Small latin h	В5	щ	Small Щ
89	i	Small latin i	В6	ų	Small 4
8A	д	Small A	В7	ъ	Small To
8B	e*	Small e	В8	ID	Capital 10
8C	Φ	Small Φ	В9	A*	Capital A
8D	r	Small r	ВА	В	Capital B
8E	x*	Small X	ВВ	ц	Capital II
8F	и	Small M	ВС	Д	Capital I
90	Й	Small A	BD	E.	Capital E
91	· ·	Small latin j	BE	Φ	Capital Φ
92	k	Small latin k	BF	Г	Capital [
93	1	Small latin l	C0	}	Open brace
94	m	Small latin m	cı	A	Capital latin A
95	n	Small latin n	C2	В	Capital latin B
96		Small latin o	СЗ	c	Capital latin C
97	р	Small latin p	C4	D	Capital latin D
98	q	Small latin q	C5	E	Capital latin E
99	r	Small latin r	C6	F	Capital latin F
9A	ĸ	Small K	C7	G	Capital latin G
9B	л	Small A	C8	н	Capital latin H
9C	м	Small M	C9	ı.	Capital latin I
9D	н	Small H	CA	x*	Capital X
9E		Small O	СВ	И	Capital M
9F	п	Small П	cc	Я	Capital N
A0	я	Small A	CD	к•	Capital K
Al	и	Small A	CE	Л	Capital A
	s	Small latin s	CF	M*	Capital M
A2		Small latin t	DO	3	Close brace
A3 A4	t u	Small latin u	DI	3 3	Capital latin J
A5	v	Small latin v	D2	ĸ	Capital latin K
A6	w	Small latin w	D3	L	Capital latin L
A7	×	Small latin x	D4	м	Capital latin M
A8	y	Small latin y	D5	N	Capital latin N
A9	z	Small latin z	D6	0	Capital latin O
AA	*	Small p	D7	P	Capital latin P
AB	p c*	Small C	D8	Q	Capital latin Q
- 1	T	Small T	D9	R	Capital latin R
AC AD	y*	Small y	DA	H*	Capital H
- 1			1 1	o*	Capital O
AE	X.	Small # Small B	DB DC	п	Capital ∏
AF	В	Small b	DD	я	Capital H
во	ь	Small D	"	"	capital U



Ref.: Standards – ST.31 page: 3.31.18

CODE PAGE 3

DE P* Capital P DF C* Capital C E0 Backward slash E1 E2 S Capital latin S E3 T Capital latin T E4 U Capital latin U E5 V Capital latin W E7 X Capital latin X E8 Y Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T* Capital T EB Y* Capital Y EC M Capital B EE	Code	Char	Description
DF C Backward slash E1 Backward slash E2 S Capital latin S E3 T Capital latin T E4 U Capital latin U E5 V Capital latin W E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital W ED B Capital B EE B Capital B EE B Capital B EF B Capital b F1 Figure 1 F2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital W FC Gapital W FC Gapital J		_*	Comittee D
E0 Backward slash E1 E2 S Capital latin S E3 T Capital latin T E4 U Capital latin U E5 V Capital latin W E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital W ED B Capital B EE B Capital B EE Capital B EF H Capital B E7 Capital b E8 Capital b E9 Capital b E9 Capital b E1 Capital b E7 Figure 1 E8 Figure 2 E9 Figure 5 E9 Figure 6 E9 Figure 7 E8 Figure 8 E9 Figure 9 EA Capital W ED Capital		*	•
E1 E2 S Capital latin S E3 T Capital latin T E4 U Capital latin U E5 V Capital latin V E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital W ED B Capital B EE B Capital B EE B Capital B EE B Capital b E7 Capital b E8 Capital b E9 Capital b E9 Capital b E9 Capital crossed Ø F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital B EF B W Capital B EF B CAPITAL B EF CAPITAL B EF B CAPITAL B EF B CAPITAL B EF CAPITAL		`	_
E2 S Capital latin S E3 T Capital latin T E4 U Capital latin U E5 V Capital latin V E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital W EC M Capital M ED E Capital B EE B Capital B EE B Capital B EF B Capital b E7 Capital b E8 Capital b E9 Capital crossed Ø F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital M FC 4 Capital M FC 4 Capital M FC 5 Capital M FC 7 Capital M FC 8 Capital M FC 9 Capital M FC 9 Capital M FC 9 Capital M FC 9 Capital M	1	`	Backward Slash
E3 T Capital latin T E4 U Capital latin U E5 V Capital latin V E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital Y EC M Capital M ED E Capital B EE D Capital B EE D Capital B EE D Capital b E7 Gapital b E7 Gapital b E8 Figure 1 F1 Figure 1 F2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital M FC 4 Capital M FC 4 Capital M FC 5 Capital M FC 5 Capital M FC 6 Capital M FC 7 Capital M FC 8 Capital M FC 9 Capital M			Comital latin S
E4 U Capital latin U E5 V Capital latin V E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital Y EC M Capital M ED B Capital B EE B Capital B EE B Capital B EF B Capital B EF B Capital B E7 Capital B E8 Figure 1 F1 Figure 1 F2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital B EF B Capital B FC 3 Capital B FC 4 Capital B FC 4 Capital B FC 4 Capital B FC 5 Capital B FC 5 Capital B FC 6 Capital B FC 7 Capital B FC 8 Capital B FC 9 Capital B FC	1 1		
E5 V Capital latin V E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital W ED B Capital B EE B Capital B EE B Capital B EF H Capital B EF Figure 1 F1 Figure 1 F2 Z Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital B EF B W Capital B FC 3 Capital B			·
E6 W Capital latin W E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital W ED B Capital B EE B Capital B EE B Capital B EF H Capital B EF Figure 1 F1	1		-
E7 X Capital latin X E8 Y Capital latin Y E9 Z Capital latin Z EA T Capital T EB Y Capital Y EC M Capital M ED B Capital B EE B Capital B EE B Capital B EF H Capital B EF Figure 1 F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital M FC 4 Capital M FC 4 Capital M FC 5 Capital M FC 7 Capital M FC 8 Capital M FC 8 Capital M FC 9 Capital M	1		-
E8 Y Capital latin Y E9 Z Capital latin Z EA T* Capital T EB Y* Capital Y EC M Capital M ED E Capital B EE D Capital B EE D Capital B EF D Capital D EF D Capital D EF D Capital Crossed Ø F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital B Capital M FC 3 Capital M FC 3 Capital M FC 3 Capital M FC 4 Capital M FC 4 Capital M FC 4 Capital M FC 5 Capital M FC 7 Capital M FC 8 Capital M FC 9 Capital M			•
E9 Z Capital latin Z EA T* Capital T EB Y* Capital Y EC M Capital M ED B Capital B EE	1 1		
EA T Capital T EB Y Capital Y EC M Capital M ED B Capital B EE B Capital B EF M Capital B Capital b FO Ø Capital crossed Ø F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB M Capital M FC Ə Capital D FD M Capital M FE Y Capital M	1	-	-
EB Y Capital Y EC M Capital M ED B Capital B EE			•
EC M Capital M Capital M ED B Capital B EE	1 1		
ED B Capital B EE	} ;		•
EE B Capital B Capital BF Capital BF Capital Crossed Ø Fl 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W Capit		B*	
EF M Capital M FO Ø Capital crossed Ø F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB M Capital M FC 3 Capital 4 FE Y Capital Y			
FO Ø Capital crossed Ø F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 4 FD W Capital W FE Y Capital Y			
F1 1 Figure 1 F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB	l - i	ø	
F2 2 Figure 2 F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 3 FD W Capital W FE Y Capital Y		. (•
F3 3 Figure 3 F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 3 FD W Capital W FE Y Capital Y	F2	2	•
F4 4 Figure 4 F5 5 Figure 5 F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 4 FD W Capital W FE Y Capital Y	F3	3	-
F6 6 Figure 6 F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 4 FD W Capital W FE Y Capital Y	1 1	4	
F7 7 Figure 7 F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 9 FD W Capital W FE Y Capital Y	F5	5	Figure 5
F8 8 Figure 8 F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 9 FD W Capital W FE Y Capital Y	F6	6	Figure 6
F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 9 FD W Capital W FE Y Capital Y	F7	7	Figure 7
F9 9 Figure 9 FA 3 Capital 3 FB W Capital W FC 3 Capital 3 FD W Capital W FE Y Capital Y	F8	8	Figure 8
FB W Capital W FC 3 Capital 3 FD W Capital W FE Y Capital Y	1	í	Figure 9
FC 3 Capital 3 FD Щ Capital Щ FE Y Capital Y	FA	3	Capital 3
FD U Capital UFE Y Capital Y	FB	ш	Capital 🎚
FE Y Capital Y	FC	Э	Capital 3
	FD	щ	Capital Щ
FF Undefined character	FE	Ч	Capital 4
1	FF	H	Undefined character



Ref.: Standards – ST.31 page: 3.31.19

EXTENDED CHARACTER SET

CODE PAGE 8

K	Col	ō	1	2	3	1	5	6	7	8	9	A	8	С	D	£	Ε
			0	00 01					11	0		11					
8	8 i t Pat	00	01	10	11	00	01	10	11	00	01	10	11	00	01	10	11
0	ocoo					▽	Ŀ	-	•	Ø	Æ	Œ	አ	Ø	æ	æ	0
1	0001					•	_	1	#=	1	8	1	Α	A	5	÷	1
2	0010					_	4	ſ	1	8	K	S	В	В	K	5	2
3	0011					SP	\forall	7	‡	C	L	7	Ε	С	L	T	3
1	0100					:	<		#	D	M	21	Z	D	М	U	4
5	0101		NL	LF		0	>		\leftarrow	E	N	8	Н	ε	N	V	5
6	0110					•	۵	-	П	32	0	W	I	F	0	W	6
7	0111			ESC		θ	$\overline{}$	/	Σ	9	P	%	K	G	ρ	х	7
8	1000					***	Ø	Δ	#	H	Q	y	M	н	Q	Y	8
9	1001					1	^	Δ	٧	1	R	z	N	I	R	z	9
A	1010					С	J	4	:	>	ı	66	0	Æ	Œ	Δ	
B	1011						0	,	=	\triangleright	1	17	P	٠	_	\Diamond	
C	1100	NP				1		lacksquare	•	•	#	9	T	,	_	♦	<u></u>
D	1101	CR				()	*	\$	0	0	_	X		•	0	
ε	1110					-	;	1	ひ	0		•	l		•	D	
F	1111					!	0	?	•	ż			ν	•	•		⊞

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
00			1A		
01			1B		
02			1C		
03			1D		
04			1E		
05			1F		
06			20		
07			21		
08			22		
09			23		
0A			24		
0B			25	LF	Line Feed control code
0C	NP	New Page control code	26		
0D	CR	Carriage Return control code	27	ESC	Escape control code
0E			28		
0F			29		
10			2A		
11			2B		
12			2C		
13			2D		
14			2E		
15	NL	New Line control code	2F		
16			30		
17			31		
18			32		
19			33		



Ref.: Standards – ST.31 page: 3.31.20

CODE PAGE 8

CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
20			58	•	Circled P
20			59	^	Vectorial Product
2E			58	נו	Small Caps - Right Bracket
28			5B	10	Hexagon Open
30	į		5C	0	Hexagon Solid
31	1		50	1 5	Small Caps - Right Parenthesis
32			5E	,	Small Caps - Semi-colon
33			5F		Bullet Open
34	ļ		60	-	Small Caps - Dash/Minus
35			61	/	Small Caps - Slash
is	İ		62	ſ	Upper Left Half Bracket
37			63	1.1	Upper Right Half Bracket
38			64		Lower Left Half Bracket
39			65		Lower Right Half Bracket
3A			66	_	Reverse Vector
39			67	/	Slash Through
30			68	A	Triangle Up Right Solid
3D			69	Δ	Triangle Up Left Solid
3€			6A	4	Triangle Down Right Solid
3F			6B		,
40		Delete Character		,	Small Caps - Comma
41	•	Center Dot	6C 6D	▼	Triangle Down Left Solid Star Solid
42	-	Cut Mark	6E	*	Vertical Prime
43	SP	Space	65		
44	!	Triple Bond	70	?	Small Caps - Question Mark
45	•	Circle Bottom Solid	71	≠ +	Close Up Does not result in
46	.●	Circle Top Solid	72	_	
47	θ	Circle Bar	73	t	Vector
48	***	Double Wave		-	Thermodynamics
49	=	Reverse Double Half Arrows	74	-	Triple Bond Reverse Surf Chem Arrow
48	C	Small Caps - Left Bracket	75		
48		Small Caps - Period	76	π	Product
4C	-	Forward Half Arrow	77	Σ	Summation
4D	(Small Caps - Left Parenthesis	78	=	Double Half Arrows
4E	-	Reverse Half Arrow	79		Caron
4F	!	Small Caps - Exclamation Point	⁷ A	'	Small Caps - Colon
50	4	Small Caps - Ampersand	78	-	Double Bar Overhead
51	-	Alt Reverse Half Arrow	70	•	Angstrom
52	•	Left Single Quote	70	₹.	Standard Taper
53	\forall	Inverted A	7 g	☆	Star
54	<	Variant LT or EQ to	75	-	Small Caps - Quotation Marks
55	>	Variant GT or EQ to	80	ø	UC - Danish O
56	0	Pentagon Open	81	1	UC - Script A
57	~	Arc Raised	82	3	UC - Script B
			83	C	UC - Script C



Ref.: Standards – ST.31 page: 3.31.21

CODE PAGE 8

			1		
CODE	CHAR	DESCRIPTION	CODE	CHAR	DESCRIPTION
84	2	UC - Script D	81	A	UC - Greek Alpha
85	ઉ	UC - Script E	B2	В	UC - Greek Beta
86	#	UC - Script F	83	E	UC - Greek Epsilon
87	9	UC - Script G	B4	z	UC - Greek Zeta
88	H	UC - Script H	85	H	,UC - Greek Eta
89	1	UC - Script I	В6	1	UC - Greek Iota
83	▼	Triangle Down Solid	87	lκ	UC - Greek Kappa
88	∇	Triangle Down Open	88	M	UC - Greek Mu
8C	0	Circle Right Solid	39	N	UC - Greek Nu
8D	0	Circle Left Solid	9A	0	UC - Greek Omicron
38	0	Ring	ВВ	P	UC - Greek Rho
8F	ż	Small Caps - Plus Minus	вс	T	UC - Greek Tau
90	Æ	UC - AE Ligature	90	X	UC - Greek Chi
91	1	UC - Script J	88	1	LC - Greek iota
92	×	UC - Script K	BF	V	LC - Greek upsilon
93	2	UC - Script L	C0	0	LC - Danish O
94	JK .	UC - Script M	cı	A	Small Caps - A
95	N	UC - Script N	C2	В	Small Caps - B
96	0	UC - Script O	C3	С	Small Caps - C
97	9	UC - Script P	C4	D	Small Caps - D
98	0	UC - Script Q	cs	ε	Small Caps - E
99	R	UC - Script R	C6	F	Small Caps - F
9A	<u> </u>	Low Vinculum	C7	G	Small Caps - G
98	>	Surf Chem'Arrow	C8	Н	Small Caps - H
9C	#	Double Plus	C9	I	Small Caps - I
9D	0	Of Sun	CA	Æ	Small Caps - AE Ligature
9E	=	Double Bond	СВ		Small Caps - Degree
9 F	_	Single Bond	cc		Small Caps - Vertical Prime
A0	Œ	UC - OE Ligature	CD		Small Caps - Slanted Prime
A1	1	LC - Script L	C E		·
A2	\$	UC - Script S	CF		Angstrom Unit
A3	1	UC - Script T	DO	æ	LC - ae Ligature
24	2	UC - Script U	D1	J	Small Caps - J
λ5	7	UC - Script V	D2	K	Small Caps - K
A6	W	UC - Script W	D3	L	Small Caps - L
A7	2.	UC - Seript X	D4	M	Small Caps - M
A8	3	UC - Seript Y	05	N.	Small Caps - N
A9	z	UC - Script Z	D6	0	Small Caps - O
**	"	Left Quote	07	Р	Small Caps - P
AB	"	Right Quote	D8	.Q	Small Caps - Q
AC	ρ	Neuter Symbol	09	R	Small Caps - R
AD	-	Strike Through	DA	Œ	Small Caps - OE Ligature
VE		Overhead Dot	DB	-	Righ Vinculum
AF	-	Tautomer	DC	-	Long Dash
30	λ	LC - Lambda Bar	DD		Pentagon Solid



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CODE	CHAR	DESCRIPTION
DE	0	Hexagon Flat Solid
DF	•	Square Dotted
EO	œ	LC - oe Ligature
El	÷	Equal Double Dotted
E2	s	Small Caps - S
E3 .	Т	Small Caps - T
E4	U	Small Caps - U
ES	ν	Small Caps - V
Ε6	w	Small Caps - W
E7	x	Small Caps - X
83	Y	Small Caps - Y
E9	z	Small Caps - Z
A3	Δ	Triangle Dotted
EB	. 💠	Tilted Square Open
EC	•	Tilted Square Solid
ED	08	Square Right Solid
33	•	Square Left Solid
EF		Square Top Solid
FO	0	Small Caps - Zero
Fl	1	Small Caps - One
F2	2	Small Caps - Two
F3	3	Small Caps - Three
F4	4	Small Caps - Four
F5	5	Small Caps - Five
F6	6	Small Caps - Six
£7	7	Small Caps - Seven
78	8	Small Caps - Eight
F9	9	Small Caps - Nine
FA		Square Bottom Solid
FB		Square Lower Left Solid
FC	3	Square Upper Right Solid
FD		Square Upper Left Solid
FE		Square Lower Right Solid
FF	田	Undefined Character



Ref.: Standards – ST.31 page: 3.31.23

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EXTENDED CHARACTER SET

[The alphabet and Japanese characters in the JPO 2-byte character set are based upon JIS 6226-1979, and other characters are based upon JIS 6226-1983. The table consists of 187 pages and due to its length is not reproduced here. The International Bureau has a copy available for consultation.]

[End of Standard]