

International Morse Code Chart

ITU-R M.1677-1 standard . Dot = short signal, dash = 3x longer . morsecodetranslation.net/morse-code-chart

LETTERS A-Z

A	. -	Alpha	N	- .	November
B	- . . .	Bravo	O	- - -	Oscar
C	- . - .	Charlie	P	. - - .	Papa
D	- . .	Delta	Q	- - . -	Quebec
E	.	Echo	R	. - .	Romeo
F	. . - .	Foxtrot	S	. . .	Sierra
G	- - .	Golf	T	-	Tango
H		Hotel	U	. . -	Uniform
I	. .	India	V	. . . -	Victor
J	. - - -	Juliett	W	. - -	Whiskey
K	- . -	Kilo	X	- . . -	X-ray
L	. - . .	Lima	Y	- . - -	Yankee
M	- -	Mike	Z	- - . .	Zulu

NUMBERS 0-9

1	. - - - -	6	-
2	. . - - -	7	- - . . .
3	. . . - -	8	- - - . .
4	 -	9	- - - - .
5		0	- - - - -

PUNCTUATION

.	. - . . . -	Period	+	. - . . .	Plus / cross
,	- -	Comma	-	- -	Hyphen
?	. . - . . .	Question mark	"	. -	Quotation marks
'	. -	Apostrophe	@	. -	At sign
/	-	Slash	!	- -	Exclamation *
(	-	Open bracket	;	-	Semicolon *
)	- -	Close bracket	&	. - . . .	Ampersand *
:	-	Colon	_	. - . . . -	Underscore *
=	- -	Double hyphen	\$	 -	Dollar sign *

* widely used extension, not defined in the ITU standard

PROSIGNS (sent as one continuous sign)

SOS	. . . - - . . .	Distress signal (one sign)
AR	. - . - .	End of message
SK	. . . - . -	End of contact
BT	- -	New paragraph
KN	-	Named station only
AS	. - . . .	Wait / stand by
K	- . -	Invitation to transmit
HH		Error, disregard

TIMING RULES

Dot (dit) 1 unit
Dash (dah) 3 units
Gap in a letter . . 1 unit
Between letters . . 3 units
Between words 7 units
Speed: PARIS = 50 units = 1 word

Example: SOS = . . . - - . . . sent without gaps.