MORSE CODE GENERATOR / LEARNING SHEETS

Morse code alphabet chart

All 26 letters, from A to Z

A		N	
B		O	
C		P	
D		Q	
E		R	
F		S	
G		T	
H		U	
I		V	
J		W	
K		X	
L		Y	
M		Z	

A dot lasts 1 unit. A dash lasts 3 units.

morsecodegenerator.top/guides/morse-code-resources

Reference: ITU-R M.1677-1 · International Morse code

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Morse code numbers chart

Every digit uses five dots and dashes

0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

Encode each digit separately, with a 3-unit gap between digits.

Example: 10 = .---- -----

morsecodegenerator.top/guides/morse-code-resources

Reference: ITU-R M.1677-1 · International Morse code

Morse code timing chart

Learn the rhythm: 1, 3, and 7 units

One block = one unit of time

Dot 1



Dash 3



Gap within a letter 1



Gap between letters 3



Gap between words 7



Filled blocks = signal on. Outlined blocks = silence.

At 20 WPM, one unit is 60 milliseconds (PARIS standard).

Reference: ITU-R M.1677-1 · International Morse code

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SOS Morse code signal chart

Three short, three long, three short

SOS

3 dots / 3 dashes / 3 dots



One continuous signal. One-unit gaps between every mark.

A dot lasts 1 unit. A dash lasts 3 units.

Do not add letter gaps inside the distress signal.

Ordinary text “SOS” has letter gaps; this signal does not.

A learning reference, not a way to contact emergency services.

In an emergency, use available local emergency channels.

Reference: ITU-R M.1677-1 · International Morse code