

# *The Phonetic Alphabet and Morse Code*

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## The Phonetic Alphabet

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

## The Morse Code

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

## Numbers and Punctuation

Error	• • • • • • •	1	• — — — —	6	— • • • •
Full Stop	• — • — — —	2	• • — — —	7	— — • • •
Comma	— — • • — —	3	• • • — —	8	— — — • •
?	• • — — • •	4	• • • • —	9	— — — — •
/	— • • — •	5	• • • • •	Ø	— — — — —
Numbers	• • — — • •				
Wait	• — • • • (AS)	End of message	• — • • • (AR)		
Go Ahead	— • — (K)	End of Communication	• • • — • — (SK)		

The figure '0' is written with a stroke through it thus 'Ø' to avoid confusion with the letter 'O'.

Note that the signal used by many amateurs inviting a named station only to trasmit is — • — — • (KN)

One dash is equal to three dots in length.

The space between parts of the same letter is equal to one dot.

The space between two letters is equal to three dots.

The space between words is equal to seven dots.