

On the Subject of Vexillology

For every flag you make that does not exist, think of a new country name. Good waste of time while defusing a bomb.

The module exists of 8 colour buttons, a flag and a submit button on top of the flagpole.

The flagpole shows three colours in an order with a longer break. The colour Grey does not count!

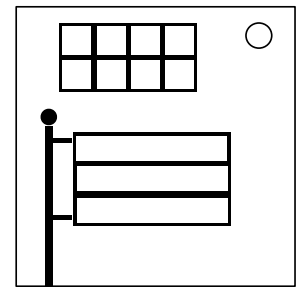
Follow the steps below and paint the flag as instructed.

There can't be any duplicate colours on the flag. If after the taken steps duplicate colours exist, transpose them in accordance with section "Colour Transposing"

The colours are Red, Orange, Yellow, Green, Blue, Aqua, White and Black.

If the painted flag already exists according to the Country Table below, submit the flag when the timer has the "Submit" digit in any position. Otherwise, submit the flag when the timer has the last digit of the serial number in any position.

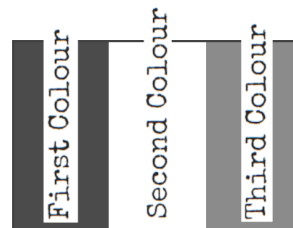
Submitting a wrong flag or submitting at the wrong moment results in a strike.



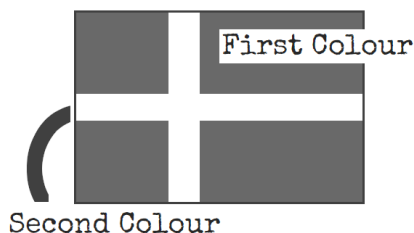
Horizontal



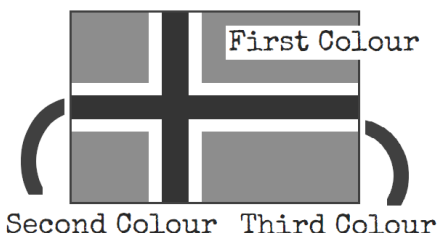
Vertical



Nordic Cross 2 Colour



Nordic Cross 3 Colour



First Colour

All statements in this section are related to the top of the flagpole.

Horizontal Bars

If three of the same colour are shown, the first colour is Black.

Otherwise, if two Oranges, two Greens or two Blacks are shown, the first colour is Green.

Otherwise, if the third position is Orange or White, the first colour is Yellow.

Otherwise, if the first position is Blue or Green, the first colour is Orange.

Otherwise, if Black and Aqua are shown in any position, the first colour is Blue.

Otherwise, if Yellow is shown in any position, the first colour is White.

Otherwise, the first colour is Red.

Vertical Bars

If Red, White and Blue are shown in that order, the first colour is Orange.

Otherwise, if two or three of the same colour are shown, the first colour is Black.

Otherwise, if Blue, Red and Yellow are shown in any order, the first colour is Aqua.

Otherwise, if the second position is Black or Orange, the first colour is Blue.

Otherwise, if White and Aqua are shown in any position, the first colour is White

Otherwise, if Blue is shown in any position, the first colour is Green.

Otherwise, the first colour is Red.

Nordic Cross

If the first and third colour are the same, the first colour is Yellow.

Otherwise, if Yellow is shown in the first or second position and Red in the second or third position, the first colour is Orange.

Otherwise, if Black and White are shown in any position, the first colour is Black.

Otherwise, if the third position is Orange, the first colour is Green.

Otherwise, if the second position is Blue or Green, the first colour is White.

Otherwise, if Red is shown in any position, the first colour is Red.

Otherwise, the first colour is Blue.

Second Colour

Second Colour

If 2 batteries, a lit BOB indicator and an unlit SIG indicator are present, the second colour is Aqua.

Otherwise, if 3 or more batteries are present and the flag is a 2-colour Nordic Cross, follow the Third Colour ruleset for the Second Colour.

Otherwise, if the flag has Horizontal Bars and 2 or more lit indicators are present, the colour is Green.

Otherwise, if an empty portplate is present, the second colour is Black.

Otherwise, if an Stereo-RCA port and a Parallel port are present, the second colour is Red.

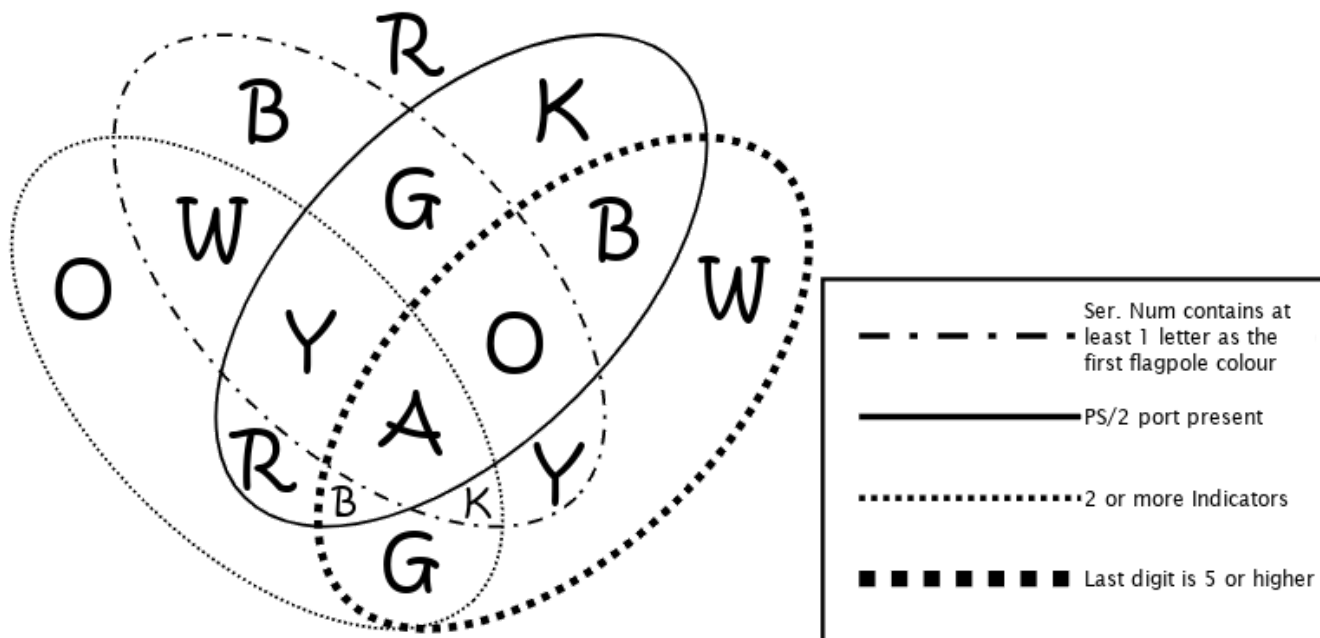
Otherwise, if more unlit than lit indicators are present, the second colour is Blue.

Otherwise, if a Serial Port is present, the second colour is Yellow.

Otherwise, the first colour is White.

Third Colour

Use the Venn Diagram to get the Third Colour. The letter is the first letter of the colour. NOTE: K = black



Colour Transposing

If two or three colours are the same after the steps above, use this section.

EXEPTION: If the flag before transposing is from an country listed in the Country Table, don't transpose!

The first colour can't be transposed!

Transpose the second colour before the third colour.

Look in the row of the initial colour and follow the column down until there is an option not taken by a previous colour.

If, after transposing, the third colour is the same as the second colour, transpose the third colour as well.

Transposing Table

Colour	First Option	Second Option	Third Option
Red	White	Aqua	Green
Orange	Red	Blue	Aqua
Yellow	Blue	Red	Orange
Green	Yellow	Black	White
Blue	Black	Yellow	Red
Aqua	Orange	Green	Black
White	Green	Orange	Blue
Black	Aqua	White	Yellow

Country Table

Country	Flag Type	First Colour	Second Colour	Third Colour	Submit
Armenia	Horizontal	Red	Blue	Orange	4
Austria	Horizontal	Red	White	Red	3
Belgium	Vertical	Black	Yellow	Red	2
Bolivia	Horizontal	Red	Yellow	Green	1
Bulgaria	Horizontal	White	Green	Red	9
Chad	Vertical	Blue	Yellow	Red	5 or 0
Denmark	Nordic Cross	Red	White	---	5
Estonia	Horizontal	Blue	Black	White	2
Faroe Islands	Nordic Cross	White	Red	Blue	8
Finland	Nordic Cross	White	Blue	---	8
France	Vertical	Blue	White	Red	3
Gabon	Horizontal	Green	Yellow	Blue	1
Germany	Horizontal	Black	Red	Yellow	9
Guinea	Vertical	Red	Yellow	Green	4
Hungary	Horizontal	Red	White	Green	6
Iceland	Nordic Cross	Blue	Red	White	4

Country	Flag Type	First Colour	Second Colour	Third Colour	Submit
Ireland	Vertical	Green	White	Orange	3
Italy	Vertical	Green	White	Red	9
Ivory Coast	Vertical	Orange	White	Green	5
Lithuania	Horizontal	Yellow	Green	Red	0
Luxembourg	Horizontal	Red	White	Aqua	2
Mali	Vertical	Green	Yellow	Red	3
Netherlands	Horizontal	Red	White	Blue	1
Nigeria	Vertical	Green	White	Green	4
Norway	Nordic Cross	Red	Blue	White	7
Peru	Vertical	Red	White	Red	1
Romania	Vertical	Blue	Yellow	Red	5 or 0
Russia	Horizontal	White	Blue	Red	7
Sierra Leone	Horizontal	Green	White	Blue	2
Sweden	Nordic Cross	Blue	Yellow	---	6
Yemen	Horizontal	Red	White	Black	7