

# Rule 33 – Equipment for sound signals

- (a) A vessel of 12 m or more in length shall be provided with a whistle, a vessel of 20 m or more in length shall be provided with a bell in addition to a whistle, and a vessel of 100 m or more in length shall, in addition, be provided with a gong, the tone and sound of which cannot be confused with that of the bell. The whistle, bell and gong shall comply with the specification in Annex III to these regulations. The bell or gong or both may be replaced by other equipment having the same respective sound characteristics, provided that manual sounding of the required signals shall always be possible.
- (b) A vessel of less than 12 metres in length shall not be obliged to carry the sound signalling appliances prescribed in paragraph (a) of this Rule but if she does not, she shall be provided with some other means of making an efficient sound signal.

# Rule 33 – Equipment for sound signals

Vessel of 12 m or more in length Rule 33 (a)

A vessel of 12 m or more in length shall be provided with a whistle



There are different types of whistles:

steam whistles, electric whistles, air whistles, etc.

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Vessel of 12 m or more in length Rule 33 (a)

A vessel of 12 m or more in length shall be provided with a whistle



Steam whistles have the advantage that other vessels can easily see which vessel makes the sound signal

# Rule 33 – Equipment for sound signals

Vessel of 12 m or more in length     Rule 33 (a)

A vessel of 12 m or more in length shall be provided with a whistle



Electric whistle

# Rule 33 – Equipment for sound signals

Vessel of 20 m or more in length Rule 33 (a)

A vessel of 20 m or more in length shall be provided with a bell in addition to a whistle



Manual bell



Electro-mechanical bell

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Vessel of 100 m or more in length Rule 33 (a)

A vessel of 100 m or more in length shall be provided with a whistle, a bell and a gong, the tone and sound of which cannot be confused with that of the bell



Manual gong



Electro-mechanical gong



Electro-mechanical gong

# Rule 33 – Equipment for sound signals

Vessel less than 12 m in length Rule 33 (a)

A vessel less than 12 m in length shall be provided with sound equipment as for larger vessels or with some other means of making an efficient sound signal



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## Details of sound signal-appliances Annex III, (2) (b)

Bells and gongs shall be made of corrosion-resistant material and designed to give a clear tone. The diameter of the mouth of the bell shall be not less than 300 mm for vessels of 20 metres or more in length, and shall be not less than 200 mm for vessels of 12 metres or more, but of less than 20 metres in length.

Where practicable, a power-driven bell striker is recommended to ensure constant force but manual operation shall be possible. The mass of the striker shall be not less than 3 per cent of the mass of the bell



# Rule 33 – Equipment for sound signals

Additional equipment



Control panel for sound equipment

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Additional equipment



Automatic control for bell and gong