

MARINE DEPARTMENT NOTICE NO. 23 OF 2009

(Miscellaneous Information)

Requirements of Lighted Buoys for Marking Marine Works Area

The attention of persons-in-charge, contractors, consultants of marine works, shipbuilders and port operators is drawn to the Marine Department's requirements of lighted buoys for marking marine works area. Details of the requirements are described in the Annex to this Notice.

2. This Notice replaces and supersedes Marine Department Notice No. 29 of 1998.

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Director of Marine (Ag.)

Marine Department

Government of the HKSAR

Date: 26 February 2009

Action File Ref.: L/M 10/09 in HQ/GRP 117/2/3

Annex to Marine Department Notice No. 23 of 2009

Applications, Details and Specifications of Lighted Buoy for Marking Marine Works Area

<i>System</i>		Class 1	Class 2
<i>Application</i>		When marine works encroaches into any Principal Fairways, Traffic Separation Schemes, the Deep Water Routes leading to Tap Shek Kok, Lamma Island or etc.	When marine works is inside any areas of the anchorages, mooring buoys, approaches to main port facilities, their immediate vicinity, adjacent to areas required for the application of Class 1 buoy or other areas as directed
<i>Design</i>		Skirt keel, buoy body divided by 4 equal spaced watertight compartments	Buoy body filled with foam core or divided by two equally spaced watertight compartments
<i>Construction material</i>		Steel/Plastic – the buoy should be able to sustain possible impacts by other vessels, within reasonable limits, to ensure that they remain in shape and afloat after such impacts	Steel/Plastic – the buoy should be able to sustain possible impacts by other vessels, within reasonable limits, to ensure that they remain in shape and afloat after such impacts
<i>Diameter</i>		Not less than 2 metres	Not less than 1 metre
<i>Focal Height</i>		Not less than 3 metres	Not less than 2 metres
<i>Height between waterline & top of watertight compartment</i>		Not less than 0.9 metre	Not less than 0.6 metre
<i>Plate Thickness</i>		10mm for steel/equivalent strength for plastic	5mm for steel/equivalent strength for plastic
<i>Shape</i>		Optional but must not conflict with that used for a Lateral or Safe Water mark	Optional but must not conflict with that used for a Lateral or Safe Water mark
<i>Topmark</i>		500 x 45 x 6mm single yellow cross on top	Optional, single yellow cross on top if fitted
<i>Battery Compartment</i>		Watertight	Watertight
<i>Surface Finish</i>		Yellow in colour	Yellow in colour
<i>Mooring Chain</i>		25 - 26mm open link	15 - 19mm open link
<i>Sinker Size</i>		Sufficient weight to hold the buoy in position with regard to the seabed, tidal and weather conditions likely to be experienced at the construction site	Sufficient weight to hold the buoy in position with regard to the seabed, tidal and weather conditions likely to be experienced at the construction site
<i>Light</i>	<i>Characteristics</i>	Quick flashing yellow	Quick flashing yellow
	<i>Range</i>	5 nautical miles at 0.74 atmospheric transmission factor	3 nautical miles at 0.74 atmospheric transmission factor
	<i>Equipment Type</i>	The equipment should be of the type approved by the International Association of Marine Aids to Navigation and Lighthouse Authorities	The equipment should be of the type approved by the International Association of Marine Aids to Navigation and Lighthouse Authorities
	<i>Battery</i>	Water proof and leak-proof type	Water proof and leak-proof type

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