MARINE DEPARTMENT NOTICE NO. 22/2020

(Miscellaneous Information)

Requirements of Lighted Buoy 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 buoy for marking marine works area. Details of the requirements are set out in Annex to this Notice.

2. This Notice supersedes Marine Department Notice No. 23/2009.

Agnes WONG Director of Marine

Marine Department Government of the HKSAR

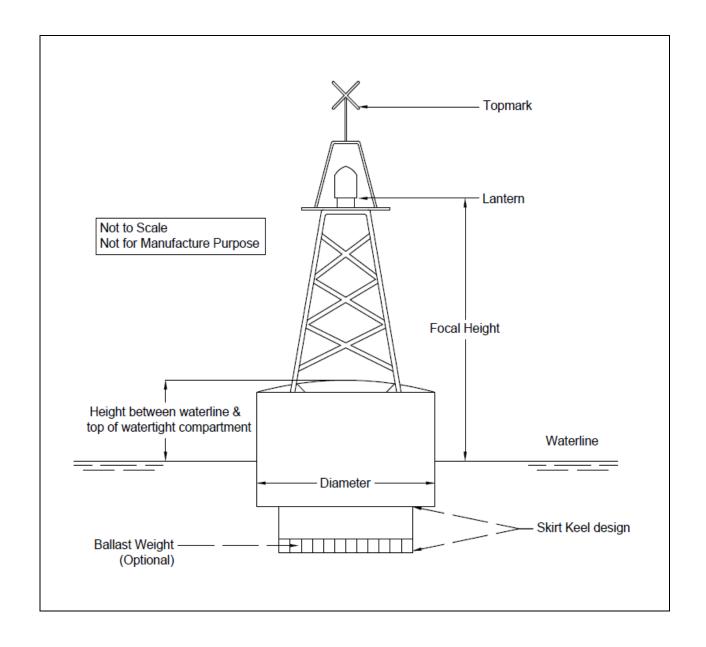
Date: 23 January 2020

Action File Ref.: L/M No. 15/2019 in HQ/GRP 117/2/3

Annex to Marine Department Notice No. 22/2020 Requirements of Lighted Buoy for Marking Marine Works Area

System		Class 1	Class 2
Application		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
Design		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
Construction material		Steel/Plastic – the buoy should be able to sustain possible impacts by other vessels to ensure that it remains in shape and afloat after such impacts	Steel/Plastic – the buoy should be able to sustain possible impacts by other vessels to ensure that it remains in shape and afloat after such impacts
Diameter		Not less than 2 metres	Not less than 1 metre
Focal Height		Not less than 3 metres	Not less than 2 metres
Height between waterline & top of watertight compartment		Not less than 0.9 metre	Not less than 0.6 metre
Plate Thickness		10mm for steel/equivalent strength for plastic	5mm for steel/equivalent strength for plastic
Shape		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
Topmark		500 x 45 x 6mm single yellow cross on top	Optional, single yellow cross on top if fitted
Battery Compartment		Watertight	Watertight
Surface Finish		Yellow in colour	Yellow in colour
Mooring Chain		25 - 26mm open link	15 - 19mm open link
Sinker Size		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
Light	Characteristics	Quick flashing yellow	Quick flashing yellow
	Range	5 nautical miles at 0.74 atmospheric transmission factor	3 nautical miles at 0.74 atmospheric transmission factor
	Equipment Type	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
	Battery	Water proof and leak-proof type	Water proof and leak-proof type

Requirements of Lighted Buoy for Marking Marine Works Area



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