

§ 62.27

one side of the mark. Their most frequent use is to mark the sides of channels; however, they may be used individually to mark obstructions outside of clearly defined channels. Sidemarks are not always placed directly on a channel edge and may be positioned outside the channel as indicated on charts and nautical publications.

(1) Port hand marks indicate the left side of channels when proceeding in the Conventional Direction of Buoyage. Beacons have green square daymarks, while buoys are green can or pillar buoys.

(2) Starboard hand marks indicate the right side of channels when proceeding in the Conventional Direction of Buoyage. Beacons have red triangular daymarks, while buoys are red nun or pillar buoys.

(c) Preferred channel marks indicate channel junctions or bifurcations and may also mark wrecks or obstructions which the mariner, after consulting a chart to ascertain the location of the obstruction relative to the aid, may pass on either side. Preferred channel marks have red and green horizontal bands with the color of the topmost band indicating the preferred channel. If the topmost band is green, the mark serves as a port hand mark for vessels following the preferred channel proceeding in the Conventional Direction of Buoyage, and as a starboard hand mark for the other channel. Beacons would have square daymarks, while buoys would be can or pillar buoys. If the topmost band is red, the mark serves as a starboard hand mark for vessels following the preferred channel proceeding in the Conventional Direction of Buoyage, and a port hand mark for the other channel. Beacons would have triangular daymarks, while buoys would be nun or pillar buoys.

(d) The above color schemes apply to IALA Region B. Marks located in the IALA Region A exhibit reversed color significance: port hand marks will be red when following the Conventional Direction of Buoyage, and starboard hand marks will be green. The meaning of daymark and buoy shapes is identical in both regions.

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(e) Certain marks on the Intracoastal Waterway may exhibit reversed lateral significance. See § 62.49.

[CGD 86-031, 52 FR 42640, Nov. 6, 1987, as amended by CGD 88-018, 54 FR 48608, Nov. 24, 1989]

§ 62.27 Safe water marks.

Safe water marks indicate that there is navigable water all around the mark. They are often used to indicate fairways or midchannels, or the seaward end of channels. Safe water marks are colored with red and white vertical stripes. Beacons have an octagonal daymark; red and white buoys are spherical or display a red spherical topmark.

[CGD 86-031, 52 FR 42640, Nov. 6, 1987, as amended by CGD 88-018, 54 FR 48608, Nov. 24, 1989]

§ 62.29 Isolated danger marks.

Isolated danger marks indicate an isolated danger which may be passed on all sides. As these marks are erected or moored on or near dangers, they should not be approached closely without special caution. These marks are colored black with one or more broad horizontal red bands and are equipped with a topmark of two black spheres, one above the other.

[CGD 86-031, 52 FR 42640, Nov. 6, 1987, as amended by CGD 88-018, 54 FR 48608, Nov. 24, 1989]

§ 62.31 Special marks.

Special marks are not primarily intended to assist safe navigation, but to indicate special areas or features referred to in charts or other nautical publications. They may be used, for example, to mark anchorages, cable or pipeline areas, traffic separation schemes, military exercise zones, ocean data acquisition systems, etc. Special marks are colored solid yellow.

§ 62.32 Inland waters obstruction mark.

(a) On inland waters designated by the Commandant as State waters in accordance with § 66.05-5 of this chapter and on non-navigable internal waters of a State which have no defined head of navigation, a buoy showing alternate vertical black and white stripes

may be used to indicate to a vessel operator that an obstruction to navigation extends from the nearest shore to the buoy.

(b) The black and white buoy's meaning is "do not pass between the buoy and the shore". The number of white and black stripes is discretionary, provided that the white stripes are twice the width of the black stripes. Prior to December 31, 2003, this aid shall not be used on a waterway which has a red and white striped obstruction marker defined in §66.10-15(e)(3) of this chapter, unless all obstruction markers are replaced.

[CGD 97-018, 63 FR 33573, June 19, 1998]

§ 62.33 Information and regulatory marks.

(a) Information and Regulatory Marks are used to alert the mariner to various warnings or regulatory matters. These marks have orange geometric shapes against a white background. The meanings associated with the orange shapes are as follows:

(1) A vertical open-faced diamond signifies danger.

(2) A vertical diamond shape having a cross centered within indicates that vessels are excluded from the marked area.

(3) A circular shape indicates that certain operating restrictions are in effect within the marked area.

(4) A square or rectangular shape will contain directions or instructions lettered within the shape.

(b) When a buoy is used as an information or regulatory mark it shall be white with two horizontal orange bands placed completely around the buoy circumference. One band shall be near the top of the buoy body, with a second band placed just above the waterline of the buoy so that both bands are clearly visible.

[CGD 86-031, 52 FR 42640, Nov. 6, 1987, as amended by CGD 97-018, 63 FR 33573, June 19, 1998]

§ 62.35 Mooring buoys.

Mooring Buoys are white with a blue horizontal band. This distinctive color scheme is recommended to facilitate identification and to avoid confusion with aids to navigation.

§ 62.37 Lighthouses.

Lighthouses are prominent beacons of varying size, color, and appearance employed to mark headlands, landfalls, harbor entrances, channel edges, hazards, and other features. While normally identified by their distinctive appearance, some lighthouses display diamond shaped, checkered daymarks to facilitate recognition.

§ 62.39 Large navigational buoys.

Large Navigational Buoys (LNB's) may be considered floating lighthouses. They generally provide light, sound, and radiobeacon signals, and some are equipped with radar beacons (racons). LNB's are red in color, have a forty foot diameter hull, and a tower approximately forty feet in height.

§ 62.41 Ranges.

Ranges are aids to navigation systems employing dual beacons which, when the structures appear to be in line, assist the mariner in maintaining a safe course. The appropriate nautical chart must be consulted when using ranges to determine whether the range marks the centerline of the navigable channel and also to ascertain what section of the range may be safely traversed. Ranges are generally, but not always, lighted, and display rectangular daymarks of various colors.

[CGD 86-031, 52 FR 42640, Nov. 6, 1987; CGD 86-031, 52 FR 46351, Dec. 5, 1987]

§ 62.43 Numbers and letters.

(a) All solid red and solid green aids are numbered, with red aids bearing even numbers and green aids bearing odd numbers. The numbers for each increase in the Conventional Direction of Buoyage. Numbers are kept in approximately sequence on both sides of the channel by omitting numbers where necessary.

(b) Only sidemarks are numbered. However, aids other than those mentioned above may be lettered to assist in their identification, or to indicate their purpose. Sidemarks may carry letters in addition to numbers to identify the first aid to navigation in a waterway, or when new aids to navigation are added to channels with previously