

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