Coast Guard, DHS

§ 160.010–6 Capacity of buoyant apparatus.

(a) The number of persons for which a buoyant apparatus is approved must be the lowest number determined by the following methods:

(1) Final buoyancy of the buoyant apparatus in Newtons after the watertight integrity test as described in §160.010–7(e) and (f), divided by 145 (divided by 32 if buoyancy is measured in pounds). The divisor must be changed to 180 (40 if buoyancy is measured in pounds) if the apparatus is designed so that persons supported are only partially immersed or where facilities are provided for climbing on top of the apparatus.

(2) Number of 300 mm (1 ft.) increments in the outside perimeter of the

§ 160.010–5 Buoyant apparatus with plastic foam buoyancy.

(a) Buoyant apparatus with plastic foam buoyancy must have a plastic foam body with an external protective covering. The body may be reinforced as necessary to meet the tests in §160.010–7.

(b) Plastic foam used in the construction of buoyant apparatus must be a unicellular type accepted by the Commandant (CG-521) as meeting one of the following:

(1) Subpart 164.015 of this chapter.
(2) MIL-P-19644.
(3) MIL-P-21929.
(4) MIL-P-40619.

(c) The external protective covering must be—

(1) Fibrous-glass-reinforced plastic, constructed of a polyester resin listed on the current Qualified Products List for MIL-P-21607, or accepted by the Commandant (G-MSE) as meeting MIL-P-21607;
(2) Elastomeric vinyl accepted by the Commandant (CG-521) as meeting §160.055–3(j) of this chapter; or
(3) Any other material accepted by the Commandant (CG-521) as providing equivalent protection for the body of the apparatus.

§ 160.010–4 Capacity of buoyant apparatus.

(a) The number of persons for which a buoyant apparatus is approved must be the lowest number determined by the following methods:

(1) Final buoyancy of the buoyant apparatus in Newtons after the watertight integrity test as described in §160.010–7(e) and (f), divided by 145 (divided by 32 if buoyancy is measured in pounds). The divisor must be changed to 180 (40 if buoyancy is measured in pounds) if the apparatus is designed so that persons supported are only partially immersed or where facilities are provided for climbing on top of the apparatus.

(2) Number of 300 mm (1 ft.) increments in the outside perimeter of the