Coast Guard, DHS

§ 160.132–23 Procedure for approval of design or material change.

(a) Each change in design, material, or construction from the plans approved under 46 CFR 159.005–13 and §160.132–13(h) of this subpart must be approved by the Commandant before being used in any production davit. The manufacturer must submit any such change following the procedures in §160.132–9 of this subpart, but documentation on items that are unchanged from the plans approved under 46 CFR 159.005–13 and §160.115–13(h) of this subpart need not be resubmitted.

(b) Unless determined by the Commandant to be unnecessary, a prototype davit with each change described in paragraph (a) of this section must be made and tested according to the procedures for new approvals in §§160.132–9 through 160.132–13 of this subpart.

(c) Determinations of equivalence of design, construction, and materials will be made by the Commandant only.

Subpart 160.133—Release Mechanisms for Lifeboats and Rescue Boats (SOLAS)

§ 160.133–5 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Coast Guard must publish notice of change in the Federal Register and the material must be available to the public. All approved material is available for inspection at Commandant (CG–ENG–4), U.S. Coast Guard, 2102 2nd Street, SW., Stop 7126, Washington, DC 20593–7126. You may also inspect this material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030 or go to http://www.archives.gov/federal_regulations/.
(b) To seek Coast Guard approval of a release mechanism, a manufacturer must comply with, and each release mechanism must meet, the requirements of the following—

(1) IMO LSA Code, chapter IV/4.4.7.6 (incorporated by reference, see §160.133–5 of this subpart), and a release mechanism for free-fall lifeboats must also meet the applicable provisions of chapter VI/6.1.4;

(2) IMO Revised recommendation on testing, Part 1/6.9 (incorporated by reference, see §160.133–5 of this subpart);

(3) 46 CFR part 158; and

(4) This subpart.

(b) Each release mechanism must meet the following requirements—

(1) Design. All functions of the release mechanism, including removal of interlocks, operation of the release handle, resetting the hooks, and reattaching the falls to the hooks, must be designed to be operable by persons wearing immersion suits;

(2) Each release mechanism should be designed following standard human engineering practices described in ASTM F 1166 (incorporated by reference, see §160.133–5 of this subpart). Design limits should be based on a range from the fifth percentile female to the ninety-fifth percentile male values for critical body dimensions and functional capabilities as described in ASTM F 1166. The dimensions for a person wearing an immersion suit correspond to the arctic clothed dimensions of ASTM F 1166;

(3) Steel. Each major structural component of each release mechanism must be constructed of steel. Other materials may be used if accepted by the Commandant as equivalent or superior.