as Type I or II for other sizes. A Type V PFD has limitations on its approval.

(b) The approval tests in this subpart require each Type V hybrid PFD to have at least the same performance as a Type I, II, or III PFD for adult and youth sizes or Type I or II PFD for child sizes.

(c) A hybrid PFD may be approved for use on recreational boats, commercial vessels or both if the applicable requirements are met.

[CGD 78–174, 60 FR 2486, Jan. 9, 1995]

§ 160.077–5 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the FEDERAL REGISTER in accordance with 5 U.S.C. 552(a). To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish a notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the Coast Guard Headquarters. Contact Commandant (CG-ENG), Attn: Office of Design and Engineering Systems, U.S. Coast Guard Stop 7509, 2703 Martin Luther King Jr. Avenue, SE., Washington, DC 20593–7509. You may also contact 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_register/code_of_federal_regulations/ibr_locations.html. All material is available from the sources listed below.


(1) In Federal Test Method Standard No. 191 the following test methods:

(i) Method 5100, Strength and Elongation, Breaking of Woven Cloth; Grab Method.

(ii) Method 5132, Strength of Cloth, Tearing; Falling-Pendulum Method.

(iii) Method 5134, Strength of Cloth, Tearing; Tongue Method.

(iv) Method 5804.1, Weathering Resistance of Cloth; Accelerated Weathering Method.


(2) Federal Standard No. 751, Stitches, Seams, and Stitching.


(2) [Reserved]


(1) UL 1191, Components for Personal Flotation Devices.

(2) UL 1517, Standard for Hybrid Personal Flotation Devices (November 12, 1984), incorporation by reference approved for 46 CFR 160.077–5(e)(2); 160.077–11(a)(5)(i) and(g)(1); 160.077–15(b)(12); 160.077–17(b)(9); 160.077–19(a)(5) and(b)(1) through (18); 160.077–21(c)(1) through (5); 160.077–23(h)(4) through (7); 160.077–27(e)(1) and (4); and 160.077–29(c)(5), (7), and (9), and (d)(1) and (5).


§ 160.077–6 Approval procedures.

(a) General. Subpart 159.005 of this chapter contains the approval procedures. Those procedures must be followed, excepted as modified in this paragraph.