

2005, are subject to the following provisions.

(a) A child restraint that is recommended by its manufacturer in accordance with S5.5 for use either by children in a specified mass range that includes any children having a mass of not greater than 5 kg, or by children in a specified height range that includes any children whose height is not greater than 650 mm, is tested with a newborn test dummy conforming to part 572 subpart K.

(b) A child restraint that is recommended by its manufacturer in accordance with S5.5 for use either by children in a specified mass range that includes any children having a mass greater than 5 but not greater than 10 kg, or by children in a specified height range that includes any children whose height is greater than 650 mm but not greater than 850 mm, is tested with a newborn test dummy conforming to part 572 subpart K, and a 12-month-old test dummy conforming to part 572 subpart R.

(c) A child restraint that is recommended by its manufacturer in accordance with S5.5 for use either by children in a specified mass range that includes any children having a mass greater than 10 kg but not greater than 18 kg, or by children in a specified height range that includes any children whose height is greater than 850 mm but not greater than 1100 mm, is tested with a 12-month-old test dummy conforming to part 572 subpart R, and a 3-year-old test dummy conforming to part 572 subpart P and S7.2, provided, however, that the 12-month-old dummy is not used to test a booster seat.

(d) A child restraint that is recommended by its manufacturer in accordance with S5.5 for use either by children in a specified mass range that includes any children having a mass greater than 18 kg, or by children in a specified height range that includes any children whose height is greater than 1100 mm, is tested with a 6-year-old child dummy conforming to part 572 subpart N.

(e) A child restraint that is manufactured on or August 1, 2005, that is recommended by its manufacturer in accordance with S5.5 for use either by children in a specified mass range that includes any children having a mass greater than 22.7 kg or by children in a specified height range that includes any children whose height is greater than 1100 mm is tested with a part 572 subpart N dummy that is weighted to weigh 28.2 kg.

S7.1.3 *Voluntary use of alternative dummies.* At the manufacturer's option (with said option irrevocably selected

prior to, or at the time of, certification of the restraint), child restraint systems manufactured before August 1, 2005 may be tested to the requirements of S5 while using the test dummies specified in S7.1.2 according to the criteria for selecting test dummies specified in that paragraph. Child restraints manufactured on or after August 1, 2005, must be tested using the test dummies specified in S7.1.2.

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S9.1 *Type of clothing.*  
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(c) *12-month-old dummy (49 CFR Part 572, Subpart R).* When used in testing under this standard, the dummy specified in 49 CFR part 572, subparts R, is clothed in a cotton-polyester based tight fitting sweat shirt with long sleeves and ankle long pants whose combined weight is not more than 0.25 kg.

(d) *Hybrid II three-year-old and Hybrid II six-year-old dummies (49 CFR part 572, subparts C and I).* When used in testing under this standard, the dummies specified in 49 CFR part 572, subparts C and I, are clothed in thermal knit, waffle-weave polyester and cotton underwear or equivalent, a size 4 long-sleeved shirt (3-year-old dummy) or a size 5 long-sleeved shirt (6-year-old dummy) having a mass of 0.090 kg, a size 4 pair of long pants having a mass of 0.090 kg, and cut off just far enough above the knee to allow the knee target to be visible, and size 7M sneakers (3-year-old dummy) or size 12½M sneakers (6-year-old dummy) with rubber toe caps, uppers of dacron and cotton or nylon and a total mass of 0.453 kg.

(e) *Hybrid III 3-year-old dummy (49 CFR Part 572, Subpart P).* When used in testing under this standard, the dummy specified in 49 CFR part 572, subpart P, is clothed in thermal knit, waffle-weave polyester and cotton underwear or equivalent, a size 4 long-sleeved shirt (3-year-old dummy) or a size 5 long-sleeved shirt (6-year-old dummy) having a mass of 0.090 kg, a size 4 pair of long pants having a mass of 0.090 kg, and cut off just far enough above the knee to allow the knee target to be visible, and size 7M sneakers with rubber toe caps, uppers of dacron and cotton or nylon and a total mass of 0.453 kg.

(f) *Hybrid III 6-year-old dummy (49 CFR Part 572, Subpart N) and Hybrid III weighted 6-year-old dummy.* When used in testing under this standard, the dummy specified in 49 CFR part 572, subpart N, weighted and unweighted, is clothed in a light-weight cotton stretch short-sleeve shirt and above-the-knee pants, and size 12½ M sneakers with rubber toe caps, uppers of dacron and

cotton or nylon and a total mass of 0.453 kg.

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S9.3 *Preparing dummies.* (Subparts referenced in this section are of Part 572 of this chapter.)

S9.3.1 When using the test dummies conforming to Part 572 Subpart C, I, J, or K, prepare the dummies as specified in this paragraph. Before being used in testing under this standard, dummies must be conditioned at any ambient temperature from 19° C to 25.5° C and at any relative humidity from 10 percent to 70 percent, for at least 4 hours.

S9.3.2 When using the test dummies conforming to Part 572 Subparts N (weighted and unweighted), P, or R, prepare the dummies as specified in this paragraph. Before being used in testing under this standard, dummies must be conditioned at any ambient temperature from 20.6° C to 22.2° C and at any relative humidity from 10 percent to 70 percent, for at least 4 hours.

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S10.2.1 \* \* \*

(b) \* \* \*

(2) When testing rear-facing child restraint systems, place the newborn, 9-month-old or 12-month-old dummy in the child restraint system so that the back of the dummy torso contacts the back support surface of the system. For a child restraint system which is equipped with a fixed or movable surface described in S5.2.2.2 which is being tested under the conditions of test configuration II, do not attach any of the child restraint belts unless they are an integral part of the fixed or movable surface. For all other child restraint systems and for a child restraint system with a fixed or movable surface which is being tested under the conditions of test configuration I, attach all appropriate child restraint belts and tighten them as specified in S6.1.2. Attach all appropriate vehicle belts and tighten them as specified in S6.1.2. Position each movable surface in accordance with the instructions that the manufacturer provided under S5.6.1 or S5.6.2. If the dummy's head does not remain in the proper position, tape it against the front of the seat back surface of the system by means of a single thickness of 6 mm-wide paper masking tape placed across the center of the dummy's face.

(c)(1)(i) When testing forward-facing child restraint systems, extend the arms of the 9-month-old or 12-month-old test dummy as far as possible in the upward vertical direction. Extend the legs of the 9-month-old or 12-month-old test dummy as far as possible in the forward horizontal direction, with the dummy