

§ 175.702

49 CFR Ch. I (10-1-04 Edition)

predesignated area containing packages with the largest sum of transport indexes.

[Amdt. 175-13, 45 FR 20102, Mar. 27, 1980, as amended by Amdt. 175-23, 47 FR 43066, Sept. 30, 1982; Amdt. 175-25, 47 FR 54824, Dec. 6, 1982; Amdt. 175-47, 55 FR 52687, Dec. 21, 1990; 56 FR 66281, Dec. 20, 1991; Amdt. 175-49, 58 FR 50494, Sept. 27, 1993; 66 FR 45383, Aug. 28, 2001]

§ 175.702 Requirements for carriage of packages containing Class 7 (radioactive) materials in a cargo aircraft only.

(a) As used in this section, the term “group of packages” means packages that are separated from each other in an aircraft by a distance of 6 m (20 feet) or less.

(b) No person may transport in a cargo aircraft only any package required by §172.403 of this subchapter to be labeled RADIOACTIVE YELLOW-II or RADIOACTIVE YELLOW-III or FISSILE unless:

(1) The total transport index for all of the packages does not exceed 50.0, the total criticality safety index for all of the packages does not exceed 50.0, and the package is carried in accordance with §175.701(a); or

(2) The total transport index for all of the packages is greater than 50.0 but does not exceed 200.0, the total criticality safety index for all of the packages does not exceed 100.0. Any package, overpack or consignment having a criticality safety index greater than 50 must be transported under exclusive use; and:

(i) The transport index for any group of packages does not exceed 50.0;

(ii) Each group of packages is separated from every other group in the aircraft by not less than 6 m (20 feet), measured from the outer surface of each group; and

(iii) The separation distance between the surfaces of the Class 7 (radioactive) materials packages, overpacks or freight containers and any space occupied by—

(A) Humans is at least 9 m (30 feet); and

(B) Live animals is at least 0.5 m (20 inches) for journeys not exceeding 24 hours and at least 1.0 m (39 inches) for journeys longer than 24 hours.

[Amdt. 175-13, 45 FR 20102, Mar. 27, 1980, as amended by Amdt. 175-29, 48 FR 50461, Nov. 1, 1983; Amdt. 175-47, 55 FR 52687, Dec. 21, 1990; Amdt. 175-49, 58 FR 50494, Sept. 27, 1993; 66 FR 45383, Aug. 28, 2001; 69 FR 3694, Jan. 26, 2004]

§ 175.703 Other special requirements for the acceptance and carriage of packages containing Class 7 (radioactive) materials.

(a) No person may carry in an aircraft any package of Class 7 (radioactive) materials required by §172.403 of this subchapter to be labeled Radioactive Yellow-II or Radioactive Yellow-III closer than the distances shown in the following table to any package marked as containing undeveloped film:

Transport index	Minimum separation distance to nearest undeveloped film for various times of transit									
	Up to 2 hours		2 to 4 hours		4 to 8 hours		8 to 12 hours		Over 12 hours	
	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet
0.1 to 1.0	0.3	1	0.6	2	0.9	3	1.2	4	1.5	5
1.1 to 5.0	0.9	3	1.2	4	1.8	6	2.4	8	3.3	11
5.1 to 10.0	1.2	4	1.8	6	2.7	9	3.3	11	4.5	15
10.1 to 20.0	1.5	5	2.4	8	3.6	12	4.8	16	6.6	22
20.1 to 30.0	2.1	7	3.0	10	4.5	15	6.0	20	8.7	29
30.1 to 40.0	2.4	8	3.3	11	5.1	17	6.6	22	9.9	33
40.1 to 50.0	2.7	9	3.6	12	5.7	19	7.2	24	10.8	36

(b) No person may accept for carriage in an aircraft packages of Class 7 (radioactive) materials, other than limited quantities, contained in an overpack unless they have been prepared for shipment in accordance with §172.403(h) of this subchapter.

(c) Each shipment of fissile material packages must conform to the requirements of §§173.457 and 173.459 of this subchapter.

(d) No person shall offer or accept for transportation, or transport, by air—