

Directive 2009/75/EC of the European Parliament and of the Council of 13 July 2009 on roll-over protection structures of wheeled agricultural or forestry tractors (static testing) (codified version) (Text with EEA relevance) (repealed)

Article 1	This Directive shall apply to tractors as defined in Article...
Article 2	(1) Each Member State shall grant EC component type-approval for...
Article 3	Member States shall, for each type of roll-over protection structure...
Article 4	No Member State may prohibit the placing on the market...
Article 5	The competent authorities of each Member State shall within one...
Article 6	(1) If the Member State which has granted EC component...
Article 7	Any decision taken pursuant to the provisions adopted in implementation...
Article 8	(1) No Member State may refuse to grant EC type-approval,...
Article 9	No Member State may refuse to register or prohibit the...
Article 10	For the purposes of EC type-approval, any tractor to which...
Article 11	Any amendments necessary to adapt to technical progress the requirements...
Article 12	Member States shall communicate to the Commission the text of...
Article 13	Directive 79/622/EEC, as amended by the acts listed in Annex...
Article 14	This Directive shall enter into force on the 20th day...
Article 15	This Directive is addressed to the Member States.
	Signature

ANNEX I

Conditions for EC component type-approval

1. DEFINITION
 - 1.1. 'Roll-over protection structure' (safety cab or frame), hereinafter called 'protection...
 - 1.2. The structures mentioned in point 1.1 are characterised by the...
2. GENERAL REQUIREMENTS
 - 2.1. Every protection structure and its attachment to a tractor must...
 - 2.2. This condition is considered to be fulfilled if the requirements...
3. APPLICATION FOR EC COMPONENT TYPE-APPROVAL
 - 3.1. The application for EC component type-approval with regard to the...
 - 3.2. The application for EC component type-approval shall be accompanied by...
 - 3.3. A tractor representative of the tractor type for which the...
 - 3.4. The holder of EC component type-approval may request its extension...
4. MARKINGS

- 4.1. Every protection structure conforming to the approved type shall bear...
- 4.2. All these particulars must appear on a small plate.
- 4.3. These markings must be visible, legible and indelible.

ANNEX II

Conditions for testing the strength of the protection structures and of their attachment to tractors

1. GENERAL REQUIREMENTS
 - 1.1. Test purposes
 - 1.2. Preparation for test
 - 1.2.1. The protection structure must conform to the series production specifications...
 - 1.2.2. The assembly shall be secured to the bedplate so that...
 - 1.2.3. The assembly must be supported and secured or modified so...
 - 1.2.3.1. To comply with the requirements of point 1.2.3, the modification...
 - 1.2.4. For the tests the tractor must be fitted with all...
 - 1.3. Tractor mass
2. APPARATUS AND EQUIPMENT
 - 2.1. Horizontal loading tests (side and longitudinal)
 - 2.1.1. Material, equipment and tie-down means adequate to ensure that the...
 - 2.1.2. Means of applying a horizontal force on the protection structure...
 - 2.1.2.1. The stiff beam shall have a vertical face dimension of...
 - 2.1.2.2. Provision must be made so that the load can be...
 - 2.1.2.3. The edges of the beam in contact with the protection...
 - 2.1.2.4. Universal joints — or the equivalent — shall be incorporated...
 - 2.1.2.5. Where the horizontal length of the protection structure to which...
 - 2.1.3. Equipment for measuring as far as is technically possible the...
 - 2.1.4. Means for proving that the zone of clearance has not...
 - 2.2. Crushing tests (rear and front)
 - 2.2.1. Material, equipment and tie-down means adequate to ensure that the...
 - 2.2.2. Means for applying a vertical force on the protection structure,...
 - 2.2.3. Equipment for measuring the total vertical force applied.
 - 2.2.4. Means for proving that the zone of clearance has not...
 - 2.3. Measurement tolerances
 - 2.3.1. Dimensions: ± 3 mm.
 - 2.3.2. Deflection: ± 3 mm.
 - 2.3.3. Tractor mass: ± 20 kg.
 - 2.3.4. Loads and forces: ± 2 %.
 - 2.3.5. Direction of loading: deviation from horizontal and vertical directions specified...
3. TESTS
 - 3.1. General requirements
 - 3.1.1. Sequence of tests
 - 3.1.1.1. The sequence of tests shall be as follows:
 - 3.1.1.2. If, during the test, any part of the restraining equipment...

- 3.1.1.3. No repairs or adjustments to the tractor or protection structure...
 - 3.1.2. Wheel track width
 - 3.1.3. Removal of non-hazard creating components
 - 3.1.4. Instrumentation
 - 3.1.5. Direction of loading
4. ACCEPTANCE CONDITIONS
- 4.1. A protection structure submitted for EC component type-approval shall be...
 - 4.2. In addition there shall be no other feature presenting a...
5. TEST REPORT
- 5.1. The test report shall be attached to the EC component...
 - 5.2. If EC component type-approval is being extended for other tractor...
 - 5.3. The report must identify clearly the tractor type (make, type...
6. SYMBOLS

ANNEX III

TEST PROCEDURE

1. HORIZONTAL LOADING AND CRUSHING TESTS
- 1.1. General provisions for horizontal loading tests
 - 1.1.1. The loads applied to the protection structure shall be distributed...
 - 1.1.2. If the structural member to which the load is to...
 - 1.1.3. If no structural cross member exists at the point of...
 - 1.1.4. The structure shall be inspected visually when the load is...
 - 1.2. Longitudinal loading (see figure 2 of Annex IV)
 - 1.3. Loading from the side (see figure 1 of Annex IV)...
 - 1.4. Overload test (see figures 4a, 4b and 4c in Annex...
 - 1.4.1. The overload test must be carried out if the force...
 - 1.4.2. The overload test involves the gradual increase of the horizontal...
 - 1.4.2.1. The overload test is satisfactory if, after each increase by...
 - 1.4.2.2. The overload test is satisfactory if, after the structure has...
 - 1.4.2.3. Additional cracks or tears and/or entry into or lack of...
 - 1.5. Crushing at the rear
 - 1.6. Crushing at the front
 - 1.7. Second longitudinal loading
2. ZONE OF CLEARANCE
- 2.1. The zone of clearance is illustrated in figure 6 of...
 - 2.2. The boundaries of the zone shall be taken as:
 - 2.2.1. vertical planes 250 mm on either side of the reference plane...
 - 2.2.2. parallel planes extending from the upper edge of the planes...
 - 2.2.3. a horizontal plane 900 mm above the seat reference point;
 - 2.2.4. an inclined plane perpendicular to the reference plane and including...
 - 2.2.5. a surface, if necessary curved, with a series of straight...
 - 2.2.6. a curvilinear surface, perpendicular to the reference plane, with a...
 - 2.2.7. a curvilinear surface, perpendicular to the reference plane, having a...
 - 2.2.8. an inclined plane perpendicular to the reference plane, joining surface...
 - 2.2.9. a vertical plane, perpendicular to the reference plane, 40 mm forward...

- 2.2.10. a horizontal plane through the seat reference point;
- 2.2.11. in the case of a tractor with a reversible driving...
- 2.2.12. in the case of a tractor which can be fitted...
- 2.2.13. where a new seat option is proposed after the test...
- 2.3. Seat location and seat reference point
 - 2.3.1. For the purpose of defining the zone of clearance in...
 - 2.3.2. The reference point is defined as the point in the...
 - 2.3.3. Where a seat incorporates a free sprung suspension travel, whether...
 - 2.3.4. If it is not possible to determine definite tangents to...
- 3. CONTROLS AND MEASUREMENTS TO BE MADE
 - 3.1. Zone of clearance
 - 3.2. Final permanent deflection

ANNEX IV

FIGURES

Figure 1 Point of application of lateral load Figure 2...

ANNEX V

ANNEX VI

MARKS

The EC component type-approval mark shall consist of a rectangle...

1. for Germany 2. for France 3. for Italy 4....

It must also include in the vicinity of the rectangle...

Example of an EC component type-approval mark

ANNEX VII

ANNEX VIII

Conditions for EC type-approval

1. The application for EC type-approval of a tractor, with regard...
2. A tractor representative of the tractor type to be approved,...
3. The technical service responsible for conducting the type-approval tests shall...
4. The holder of the EC type-approval may ask for its...
5. The competent authorities shall grant such extension on the following...

6. A certificate, of which a model is shown in Annex...
7. If the application for EC type-approval for a type of...

ANNEX IX

ANNEX X

PART A

PART B

ANNEX XI

Status: This is the original version (as it was originally adopted).

- (1) [OJ C 211, 19.8.2008, p. 17.](#)
- (2) Opinion of the European Parliament of 17 June 2008 (not yet published in the Official Journal) and Council Decision of 22 June 2009.
- (3) [OJ L 179, 17.7.1979, p. 1.](#)
- (4) See Annex X, Part A.
- (5) [OJ L 171, 9.7.2003, p. 1.](#)