

Directive 2009/57/EC of the European Parliament and of the Council of 13 July 2009 relating to the roll-over protection structures of wheeled agricultural or forestry tractors (codified version) (Text with EEA relevance) (repealed)

Article 1
Article 2
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ANNEX I

Conditions for EC component type-approval

1. DEFINITION
 - 1.1.
 - 1.2.
2. GENERAL REQUIREMENTS
 - 2.1.
 - 2.2. This requirement shall be checked by one of the two...
3. APPLICATION FOR EC COMPONENT TYPE-APPROVAL
 - 3.1.
 - 3.2. The application for EC component type-approval shall be accompanied by...
 - 3.3.
 - 3.4. The holder of EC component type-approval may request its extension...
4. MARKINGS
 - 4.1. Every roll-over protection structure conforming to the approved type shall...
 - 4.2.
 - 4.3.

ANNEX II

Conditions for testing the strength of a roll-over protection structure and of its attachment to a tractor

1. GENERAL REQUIREMENTS
 - 1.1. Test purposes
 - 1.2. Preparation for test
 - 1.2.1.
 - 1.2.2. For the tests a tractor must be fitted with all...
 - 1.2.3.
 - 1.3. Tractor mass
2. APPARATUS AND EQUIPMENT
 - 2.1. Pendulum weight
 - 2.1.1.
 - 2.1.2.
 - 2.1.3.
 - 2.2. Pendulum supports
 - 2.3. Lashings
 - 2.3.1.
 - 2.3.2. Apart from the tensioning devices and ground rail attachments the...
 - 2.3.3.
 - 2.4. Wheel prop and beam
 - 2.4.1.
 - 2.4.2.
 - 2.5. Props and lashings for articulated tractors
 - 2.5.1.
 - 2.5.2.
 - 2.6. Crushing rig
 - 2.7. Measuring apparatus
 - 2.7.1.
 - 2.7.2.
 - 2.7.3.
 - 2.8. Measurement tolerances
3. TESTS
 - 3.1. General requirements
 - 3.1.1. Sequence of tests
 - 3.1.1.1. The list and sequence of tests shall be as follows....
 - 3.1.1.2.
 - 3.1.1.3.
 - 3.1.1.4.
 - 3.1.1.5.
 - 3.1.2. Track width
 - 3.1.3. Removal of non-hazard-creating components
 - 3.1.4. Direction of impacts
 - 3.1.5. Tyre pressures and deflections
4. INTERPRETATION OF RESULTS
 - 4.1. A roll-over protection structure submitted for EC component type-approval shall...
 - 4.2.

- 5. TEST REPORT
 - 5.1. The test report shall be attached to the EC component...
 - 5.2.
 - 5.3.

ANNEX III TEST PROCEDURES

A — Test method I

- 1. IMPACT AND CRUSHING TESTS
 - 1.1. Impact at the rear
 - 1.1.1. The tractor shall be so placed in relation to the...
 - 1.1.2. Tractors with rigid bodies shall be lashed down. The points...
 - 1.1.3.
 - 1.1.4. The weight shall be pulled back so that the height...
 - 1.2. Impact at the front
 - 1.2.1. The tractor shall be so placed in relation to the...
 - 1.2.2. Tractors with rigid bodies shall be lashed down as indicated...
 - 1.2.3.
 - 1.2.4. The weight shall be pulled back so that the height...
 - 1.3. Impact at the side
 - 1.3.1. The tractor shall be so placed in relation to the...
 - 1.3.2.
 - 1.3.3. An articulated tractor must be lashed down so that the...
 - 1.3.4. The weight shall be pulled back so that the height...
 - 1.4. Crushing at the rear
 - 1.5. Crushing at the front
 - 1.5.1.
 - 1.5.2.
- 2. ZONE OF CLEARANCE
 - 2.1. The 'zone of clearance' is defined by planes as follows,...
 - 2.2.
- 3. MEASUREMENTS TO BE MADE
 - 3.1. Fractures and cracks
 - 3.2. Zone of clearance
 - 3.2.1.
 - 3.2.2.
 - 3.3. Maximum momentary deflection
 - 3.4. Permanent deflection

B — Test method II

- 1. IMPACT AND CRUSHING TESTS
 - 1.1. Impact at the rear
 - 1.1.1. The tractor shall be so placed in relation to the...
 - 1.1.2. Tractors with rigid bodies shall be lashed down. The points...
 - 1.1.3.
 - 1.1.4. The weight shall be pulled back so that the height...
 - 1.1.5.
 - 1.2. Impact at the front
 - 1.2.1. The tractor shall be so placed in relation to the...
 - 1.2.2. Tractors with rigid bodies shall be lashed down as illustrated...

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- 1.2.3.
- 1.2.4. The weight shall be pulled back so that the height...
- 1.3. Impact at the side
 - 1.3.1. The tractor shall be so placed in relation to the...
 - 1.3.2.
 - 1.3.3. An articulated tractor must be lashed down so that the...
 - 1.3.4. The weight shall be pulled back so that the height...
- 1.4. Crushing at the rear
- 1.5. Crushing at the front
 - 1.5.1.
 - 1.5.2.
- 2. ZONE OF CLEARANCE
 - 2.1. The zone of clearance is illustrated in Annex IV, fig....
 - 2.2. The boundaries of the zone shall be taken as:
 - 2.3.
 - 2.3.1. For the purpose of defining the zone of clearance in...
 - 2.3.2.
 - 2.3.3. Where a seat suspension is provided with adjustment for the...
 - 2.3.4. If it is not possible to determine definite tangents to...
- 3. MEASUREMENTS TO BE MADE
 - 3.1. Fractures and cracks
 - 3.2. Zone of clearance
 - 3.2.1.
 - 3.2.2.
 - 3.3. Maximum momentary deflection
 - 3.4. Permanent deflection

ANNEX IV
FIGURES

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ANNEX V

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ANNEX VI
MARKS

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Example of an EC component type-approval mark

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ANNEX VII

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ANNEX VIII

Conditions for EC type-approval

1.
2.
3.
4.
5. The competent authorities shall grant such extension on the following...
6.
7.

ANNEX IX

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ANNEX X

PART A

PART B

ANNEX XI

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