

CR (EU) no. 167/2013

Approval and market surveillance of agricultural and forestry vehicles

- Overview
- Aims of the new regulation
- Transitional regulations
- Structure of the regulation
- Innovations and information



Until now:

2003/37/EG – „...for the type-approval of agricultural or forestry tractors, their trailers and interchangeable towed machinery, together with their systems, components and separate technical units ...“

New:

VO (EU) Nr. 167/2013 – „... approval and market surveillance of agricultural and forestry vehicles.“

Scope

Tractors

- T1, T2, T3, T4, T4.1, T4.2, T4.3, C
- to each class of tractors on wheels, suffix „a“ or „b“ is added, depending on their design speed :

„a“ for tractors on wheels with a design speed
not exceeding 40 km/h;

„b“ for tractors on wheels with a design speed exceeding 40 km/h
(NEW)



Scope

Trailers (NEW)

- R1, R2, R3, R4
- To each class of trailers, suffix „a“ or „b“ is added, depending on their design speed :

„a“ for trailers with a design speed **not exceeding 40 km/h**;

„b“ for trailers with a design speed **exceeding 40 km/h**



Scope

Trailer (NEW)

- „Class R1“: Trailer, where the sum of the technical allowed masses per axle is up to 1 500 kg;
- „Class R2“: Trailer, where the sum of the technical allowed masses per axle exceeds 1 500 kg but not 3 500 kg;
- „Class R3“: where the sum of the technical allowed masses per axle exceeds 3 500 kg but not 21 000 kg;
- „Class R4“: where the sum of the technical allowed masses per axle exceeds 21 000 kg;

Scope

Interchangeable towed equipment (NEW)

- S1, S2
- Each class of interchangeable towed equipment has a suffix „a“ or „b“ added, depending on the max. design speed of the equipment:
 - „a“ for interchangeable towed equipment with a design speed **not exceeding 40 km/h**;
 - „b“ for interchangeable towed equipment with a design speed **exceeding 40 km/h**



Scope

Interchangeable towed equipment

(NEW)

- „Class S1“: interchangeable towed equipment , where the sum of the technical allowed masses per axle is **up to 3 500 kg**
- „Class S2“: interchangeable towed equipment , where the sum of the technical allowed masses per axle **exceeds 3 500 kg**

Definitions

Trailer (NEW)

- „Trailer“: an agricultural or forestry vehicle which is generally designed to be towed by a tractor to **transport goods or to process material**, in which the quotient between the technically allowed max. mass loaded and the weight empty **is at least 3.0**.

Definitions

Interchangeable towed equipment (NEW)

- „interchangeable towed equipment“ a vehicle for the agricultural or forestry use designed to be towed by a tractor which alters or enlarges the function of the tractor; it is permanently equipped with a machine or it is designed to process materials; it can be equipped with a loading platform which carries equipment required for the work or can temporarily store the material produced or required for the work; the quotient between technically allowed max. load and the empty weight of the vehicle is **less than 3.0**.

Aim of the new regulation

- Uniform approval procedure in all member states of the EU.
- A reduction of barriers to trade within the European market
- Harmonising technical demands to systems, components and and separate technical units.
- Improve the protection of the environment
- Improve traffic safety within the EU



Article 73

	2003/37/EC	CR (EU) 167/2013
1st January 2016	Cancellation of all previous regulations	Obligatory for all new models
1st January 2018		Obligatory for first registration

Structure of the regulation

Framework Regulation
CR (EU) no. 167/2013



Delegated Regulation
CR (EU) no. 1322/2014
CR (EU) no. 2015/96
CR (EU) no. 2015/68
CR (EU) no. 2015/208



Implementing Regulation
CR (EU) no. 2015/504



Structure of the regulation

Framework regulation
of the European Parliament and Council :

CR (EU) no. 167/2013

- Administrative rules and technical demands for the type approval of all new vehicles, systems, components or technical units

Delegated Regulation of the commission:

CR (EU) no. 1322/2014 (RVCR)

- Technical requirements and test procedures regarding design, construction and assembly of vehicles

CR (EU) no. 2015/68 (RVBR)

- Technical requirements and test procedures regarding functional safety in view of the performance of the brake system

Structure of the regulation

Delegated regulation of the commission:

CR (EU) no. 2015/96 (REPPR)

- Technical requirements and test procedures regarding the environmental compatability and the power output of the drive train in regard to pollutant emissions and allowed outer noise level

CR (EU) no. 2015/208 (RVFSR)

- Technical requirements and test procedures regarding functional safety

Structure of the regulation

Implementing regulation of the commission:

CR (EU) no. 2015/504 (RAR)

- Uniform conditions for the performance of administrative requirements

Article 1

- The regulation is not applicable for single vehicle approvals
- In Germany, the StVZO regulates the SVAs!

Article 2

- For the following vehicles, the manufacturer has the choice between applying for an approval according to this regulation, or to fulfil the responsible national requirements:
 - a) Trailer (R) and interchangeable towed equipment (S),
 - b) Tractors on tracks (C),
 - c) Special purpose tractors on wheels (T4.1 und T4.2).

Article 35

- Exemptions for new technologies or new concepts are possible

Article 53

- Manufacturers shall provide unrestricted and standardised access to vehicle repair and maintenance information to independent operators through websites using a standardised format in a readily accessible and prompt manner, and in a manner which is non-discriminatory compared to the provision given or access granted to authorised dealers and repairers.
- See CR (EU) no. 1322/2014 anx.V
- Proof with information document (see implementing provision)

CoP – Conformity of Production

- (13) „ In order to ensure that the procedure for monitoring conformity of production, which is one of the cornerstones of the Community type-approval system, has been correctly implemented and functions properly, manufacturers should be regularly checked by the competent authority or by an appropriately qualified technical service appointed for that purpose.“
- See CR (EU) no. 1322/2014 anx. IV



Certificate of Conformity

- CoC – Certificate of Conformity
- The manufacturer attaches a CoC to each vehicle in the series of the approved type.
- CoC allows the authorities to register vehicles without the need of further technical documentation.
- Sample and format according to implementing regulation

Vehicle-identification-no.

- VIN has to fulfill the requirements of
 - [ISO 10261:2002](#) (Earth moving equipment– numbering system for product identification)or of
 - [ISO 3779:2009](#) (Road vehicles– Vehicle-identification-no. (VIN) – content and structure)

- See implementing regulation

Infringements and penalties

- (26) Member States should lay down rules on penalties applicable to infringements of this Directive and ensure that they are implemented. These penalties should be effective, proportionate and dissuasive.

ANHANG I

AUFSTELLUNG DER FÜR DIE TYPGENEHMIGUNG VON FAHRZEUGEN GELTENDEN ANFORDERUNGEN

Nr.	Artikel	Gegenstand	Angabe des Rechtsakts	Kraftfahrzeuge	Fahrzeugklassen																		
					T1a	T1b	T2a	T2b	T3a	T3b	T4.1a	T4.1b (+)	T4.2a	T4.2b (+)	T4.3a	T4.3b	Ca	Cb (++)	Ra	Rb	Sa	Sb	
1	17(2)(a)	Festigkeit der Fahrzeugstruktur	RVFSR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	17(2)(b)	Bauartbedingte Höchstgeschwindigkeit, Geschwindigkeitsregler und -begrenzungseinrichtungen	RVFSR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	n.z.	n.z.	n.z.	n.z.
3	17(2)(b)	Bremsanlage und Anhängerbremsverbindung	RVBR		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	17(2)(b)	Lenkanlagen für schnelle Zugmaschinen	RVFSR (auf Grundlage von ECE 79 Rev. [neue Nummer])	Y	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	n.z.	n.z.
5	17(2)(b)	Lenkanlagen	RVFSR	Y	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	X	n.z.	n.z.	n.z.	n.z.
6	17(2)(b)	Geschwindigkeitsmesser			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	n.z.	n.z.	n.z.	n.z.
7	17(2)(c)	Sichtfeld und Scheibenwischer	RVFSR (auf Grundlage von ECE 71 Rev. 1)	Y	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	n.z.	n.z.	n.z.	n.z.

Thank you for listening



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