



# FEM

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Product Group /  
**Industrial Trucks**



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## **Guideline /**

EC Declaration of Conformity and marking for the permanently mounted equipment of rough-terrain variable-reach (RTVR) tractors

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# 1 Introduction

This document provides uniform guidelines concerning the EC declaration of conformity and the CE marking applicable to the permanently mounted equipment (PME) of rough-terrain variable-reach tractors (RTVR tractors) homologated according to Regulation (EU) No 167/2013 on the approval and market surveillance of agricultural and forestry vehicles (also known as Tractor Mother Regulation or TMR).

The permanently mounted equipment (PME) is that part of the RTVR tractor intended for load handling operation and not intended to be removed during normal use. The PME includes the telescopic lifting means (pivoted boom) on which a load handling device (e.g. carriage with fork arms or other attachments) can be fitted, boom control systems, stabilizing devices if provided, longitudinal load moment control and indicator. See CEN/TS 1459-8 for further information on what PME can include.

CEN/TS 1459-8 specifies requirements related to the PME and additional requirements for the combination on the RTVR tractor.

Note: PME can include elements (e.g. parts, systems, components...) not dealt with either by Regulation (EU) No 167/2013 or by CEN/TS 1459-8. Refer to the applicable EU legislation mentioned below.

As a consequence, the manufacturer or, if applicable, its authorised representative (see the relevant legislation mentioned below) must issue the two following documents for each RTVR tractor put into the market:

— **certificate of conformity (COC)** →

It certifies that the RTVR tractor conforms to the vehicle type approved for the relevant aspects dealt with by the Regulation (EU) No 167/2013 which relate to its tractive power provided to push, pull, carry and actuate certain interchangeable equipment designed to perform agricultural and forestry work, or to tow agricultural and forestry trailers or equipment. In addition, a statutory plate must be affixed to each RTVR tractor.

Refer to Regulation (EU) No 2015/504 (also known as RAR) Annex III and IV for provisions on respectively the COC and the statutory plate.

— **EC declaration of conformity (DOC)** for the PME →

It states that the relevant provisions of all EU legislation applicable to the PME are satisfied. In addition, the CE marking must be affixed to each PME: also, the CE marking indicates that the PME fulfils the relevant provisions of all applicable EU legislation providing for this marking. See below for further information.

## EU legislation applicable to the PME

**Directive 2006/42/EC** (also known as Machinery Directive) applies to the PME as it falls under the definition of machinery in Article 2 (a) third indent as "an assembly referred to in the first and second indents, ready to be installed and able to function as it stands only if mounted on a means of transport".

In addition, the following applies for hazards not covered by the MD:

**Directive 2004/108/EC** on electromagnetic compatibility (EMCD): The EMCD applies to the PME electrical or electronic parts that may generate or be affected by electromagnetic disturbance. The EMC Directive covers aspects of electromagnetic compatibility related to the functioning of the PME. However, the MD covers the immunity of the PME with respect to safety-related electromagnetic disturbance, whether transmitted by radiation or by wire (see 1.2.1 and 1.5.11 of Annex I).

Directive 2004/108/EC is repealed with effect from 20 April 2016 by **Directive 2014/30/EU**. The making available on the market and/or the putting into service of equipment covered by Directive 2004/108/EC which is in conformity with that Directive and which was placed on the market before 20 April 2016 is not impeded.

The following may also apply to the PME in addition for hazards not covered by the MD:

**Directive 1999/5/EC** on radio and telecommunications terminal equipment (R&TTED): The requirements of the R&TTED with respect to the use of the radio frequency spectrum apply to radio and telecommunications terminal equipment within its scope that is incorporated into the RTVR tractor and/or the PME, such as, for example, certain remote-control devices.

Directive 1999/5/EC is repealed with effect from 13 June 2016 by **Directive 2014/53/EU (RED)**. The making available on the market and/or the putting into service of radio equipment covered by this Directive which is in conformity with the relevant Union harmonisation legislation applicable before 13 June 2016 and which was placed on the market before 13 June 2017 is not impeded.

For both EMCD and RED, the following definitions apply:

(9) 'making available on the market' means any supply of apparatus for distribution, consumption or use on the Union market in the course of a commercial activity, whether in return for payment or free of charge

(10) 'placing on the market' means the first making available of apparatus on the Union market

Note: A FEM Position Paper dated January 2017 asked the Commission to provide clarification in the RED Guide about the application of this directive to equipment incorporating radio components or radio modules which are not intended to be installed by the end-user or having radio accessories (e.g. USB radio plug-in) intended to be installed by the end-user. FEM requests that in both cases the final equipment shall not be subject to the RED as a whole. At the date of publication of this Guideline no clarification has been provided yet.

**Directive 2000/14/EC** on the noise emission in the environment by equipment for use outdoors (OED) is not applicable as not within its scope. Requirements on external sound power levels for the RTVR tractor are given in TMR Article 19 and RAR.

## 2 EC Declaration of Conformity for the PME

The DOC and translations must be drawn up under the conditions in Annex I, section 1.7.4.1(a) and (b) of the MD: the DOC must be drafted in one or more official EU languages; where no original EC Declaration of conformity exists in the official language(s) of the country where the RTVR is to be used, a translation into that or those languages must be provided by the manufacturer or his authorized representative or by the person bringing the RTVR into the language area in question. The translations must bear the word "Translation". See annex for translation in other EU official language(s).

### Model of DOC for the PME

*Business name and full address of the PME manufacturer and, where appropriate, his authorised representative*

declares that the permanently mounted equipment (PME) identified as follows:

Generic denomination: Permanently mounted equipment for rough-terrain variable-reach (RTVR) tractor type ... *(add the RTVR tractor type alphanumeric code as set out in the RAR point 2.3 of Part B of Annex I)*

Function: *Part of the rough-terrain variable-reach tractor (RTVR) intended for load handling operation*

Model: ...

Serial number: VIN.PME (*Use the Vehicle identification number (VIN) set out in section 3 of Annex IV of RAR with the additional extension ".PME". As a general rule, the serial number of the machinery covered by the EC Declaration of Conformity shall be indicated. In the case of machinery produced in large series, it is possible to draw up a single EC Declaration of Conformity covering a range of serial numbers or batches, in which case the range covered by the declaration must be specified and a new EC Declaration of Conformity must be issued for each new range of serial numbers or batches.*)

Commercial name: *(if any)* ...

fulfils all the relevant provisions of:

- Directive 2006/42/EC on machinery
- Directive 2014/30/EU on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (*or Directive 1999/5/EC on radio and telecommunications terminal equipment, see above*)
- (*If applicable, see above*) Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment

*(If applied)* Technical standards and specifications used:

- CEN/TS 1459-8
- FEM Guideline 4.104
- others...

*Name and address of the person (natural or legal) authorised to compile the technical file, who must be established in the EU: ...*

Place and date of the declaration: ...

*Name of the person empowered to draw up the declaration on behalf of the manufacturer or his authorised representative: ...*

Position: ...

Signature: ...

### **3 Marking of the PME**

The PME must bear a plate located near the statutory plate with the following marking. Without prejudice to its position, the marking refers to the whole PME.

- Business name and full address of the PME manufacturer and, where applicable, his authorised representative
- Designation of the PME: RTVR PME
- Serial number: VIN.PME (use the Vehicle identification number (VIN) set out in section 3 of Annex IV of RAR with the extension ".PME")
- Designation of series or type: ... (*use the Model given in the DOC, see above*)
- Year of construction: ... (*It is the year in which the PME manufacturing process is completed: if the PME is assembled on the RTVR in the manufacturer's premises, the manufacturing process can be considered to be completed, at the latest, when the RTVR leaves the manufacturer's premises to be transferred to an importer, a distributor or to the user*)

- The CE Marking (*see Annex III of the MD*)

It is prohibited to pre-date or post-date the PME when affixing the CE marking.

Marking can be provided in any of the official language(s) of the EU. This does not have to be the official language of the Member State in which the RTVR tractor is placed on the market and/or put into service.

Each operating position of the telescopic boom as part of the PME must be provided with a load chart indicating, preferably in diagrammatic form or by means of tables, the working load permitted for each boom configuration.

## Annex I – Translation in the EU official language(s)

The following terminology should be used for translation in the EU official language(s):

- Permanently mounted equipment on rough-terrain variable-reach (RTVR) tractor...

LANGUAGE	TRANSLATION
French	Équipement monté de manière permanente sur un tracteur tout-terrain à portée-variable (RTVR)...
German	Dauerhaft angebrachte Ausrüstung eines geländegängigen Traktors mit veränderlicher Reichweite...
Italian	Attrezzatura montata permanentemente per trattore fuoristrada a sbraccio variabile (RTVR)...
Spanish	Equipo montado de modo permanente en tractores todo terreno de alcance variable (RTVR)...
Swedish	Permanent monterad utrustning på terränggående traktor med variabel räckvidd (RTVR)...

- Part of the rough-terrain variable-reach (RTVR) tractor intended for load handling operation

LANGUAGE	TRANSLATION
French	Partie d'un tracteur tout-terrain à portée-variable (RTVR) destiné à des opérations de manutention de charge
German	Teil des geländegängigen Traktors mit veränderlicher Reichweite vorgesehen für die Lasthandhabung
Italian	Parte del trattore fuoristrada a sbraccio variabile (RTVR) per operazioni di movimentazione del carico
Spanish	Parte del tractor todo terreno de alcance variable (RTVR) destinada a ser utilizada en las operaciones de manipulación de carga
Swedish	Del av terränggående traktorn med variabel räckvidd (RTVR) avsedd för lasthantering

The recommendations and advice contained in this Guidance Note are based on specifications, procedures and other information that have been collected from the FEM from its members. They represent what is, as far as FEM is aware, the best available data at the time of publication on the instruction and use of the equipment concerned in the general conditions described and are intended to provide guidance for such use.

The suitability of this Guidance Note must be determined by the judgement of the person applying it in accordance with the conditions in which use is envisaged and subject to all relevant statutory requirements.

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