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►B ►M2 **COUNCIL DIRECTIVE**

of 26 May 1986

on the approximation of the laws of the Member States relating to the power take-offs of tractors and their protection

(86/297/EEC) ◄

(OJ L 186, 8.7.1986, p. 19)

Amended by:

		Official Journal		
		No	page	date
►M1	Directive 97/54/EC of the European Parliament and of the Council of 23 September 1997	L 277	24	10.10.1997
►M2	Commission Directive 2010/62/EU of 8 September 2010	L 238	7	9.9.2010

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COUNCIL DIRECTIVE

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on the approximation of the laws of the Member States relating to the power take-offs of tractors and their protection

(86/297/EEC)

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THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof,

Having regard to the proposal from the Commission ([1]),

Having regard to the opinion of the European Parliament ([2]),

Having regard to the opinion of the Economic and Social Committee ([3]),

Whereas the technical requirements with which wheeled agricultural or forestry tractors must comply pursuant to national laws relate, *inter alia*, to the power take-off and its protection;

Whereas those requirements differ from one Member State to another; whereas it is therefore necessary that all Member States adopt the same requirements, either in addition to, or in place of, their existing rules, in particular in order to allow the EEC type-approval procedure which was the subject of Council Directive 74/150/EEC of 4 March 1974 on the approximation of the laws of the Member States relating to the type-approval of wheeled agricultural or forestry tractors ([4]), as last amended by the Act of Accession of Spain and Portugal, to be applied in respect of each tractor type;

Whereas the Council Resolution of 29 June 1978 concerning an action programme of the European Communities on safety and health at work ([5]) provides for the application of the principles of accident prevention in the design and creation of plant and machinery, including the agricultural sector; whereas the provisions concerning power take-offs and their protection constitute safety factors;

Whereas the approximation of the national laws relating to wheeled agricultural or forestry tractors entails reciprocal recognition by Member States of the checks carried out by each of them on the basis of common requirements,

HAS ADOPTED THIS DIRECTIVE:

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Article 1

1. For the purposes of this Directive, ‘tractor’ means a tractor as defined in Article 2(j) of Directive 2003/37/EC of the European Parliament and of the Council ([6]).

2. For the purposes of this Directive, the tractor categories defined in Annex II to Directive 2003/37/EC shall apply.

([1]) OJ No C 164, 23. 6. 1983, p. 5.
([2]) OJ No C 307, 14. 11. 1983, p. 104.
([3]) OJ No C 341, 19. 12. 1983, p. 2.
([4]) OJ No L 84, 28. 3. 1974, p. 10.
([5]) OJ No C 165, 11. 7. 1978, p. 3.
([6]) OJ L 171, 9.7.2003, p. 1.

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Article 2

No Member State may refuse to grant EEC type-approval or national type-approval in respect of a tractor, or refuse or prohibit its sale, registration, entry into service or use, on grounds relating to the power take-off and its protection if the latter satisfy the requirements set out in Annex I.

Article 3

This Directive shall not affect the right of Member States to specify, with due observance of the Treaty, the requirements they deem necessary to ensure that workers are protected when using the tractors in question, provided this does not mean that the power take-off and its protection are modified in a way unspecified in this Directive.

Article 4

Any amendments necessary to adapt the requirements of Annex I and the model Annex to the EEC type-approval certificate shown in Annex II to technical progress shall be adopted in accordance with the procedure laid down in Article 13 of Directive 74/150/EEC.

Article 5

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive within 18 months of its adoption. They shall forthwith inform the Commission thereof. However, the requirements of section 5.2 of Annex I shall not apply until 1 October 1995.

2. Member States shall ensure that the text of the main provisions of national law which they adopt in the field covered by this Directive are communicated to the Commission.

Article 6

This Directive is addressed to the Member States.

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ANNEX I

General provisions and requirements for power take-offs

1. Definition and scope

1.1. 'Power take-off' (PTO) means an external shaft of the tractor to provide rotational power to implements.

1.2. The provisions of this Directive apply only to power take-offs as defined in point 1.1 and located at the rear or the front of the tractor.

2. Application for EC type-approval

2.1. The application for the type approval of a tractor type as regards the power take-off and its protection must be submitted by the tractor manufacturer or his authorised representative, using the information document, the model of which appears in Annex II, Part 1.

2.2. It must be accompanied by drawings, in triplicate, on an appropriate and suitably detailed scale, of those parts of the tractor subject to the requirements of this Directive.

2.3. A tractor representative of the type submitted for approval or those part(s) of the tractor considered essential for the execution of the tests required by this Directive must be supplied to the technical service responsible for conducting the type-approval tests.

3. EC type-approval certificate

A certificate conforming to the model which appears in Annex II, Part 2 must be completed for each approval granted or refused.

4. General Provisions

Where tractors are equipped with power take-offs, these must comply with the requirements of this Annex.

For the purposes of this Directive, the standards referred to in points 4.1 and 4.2 apply.

4.1. Provisions for rear power take-offs

The specifications of ISO 500-1:2004 together with Technical Corrigendum 1:2005 and ISO 500-2:2004 apply to tractors with rear power take-offs according to Table 1.

Table 1

Application of standards for rear power take-offs of the different tractor categories

Standard applicable	T1 C1	T2 C2	T3 C3	T4.1 C4.1	T4.2 C4.2	T4.3 C4.3	T5 C5
ISO 500-1:2004 (*) (***)	X	–	$X_{1)}$	$X_{1)}$	$X_{1)}$	X	$X_{1)}$
ISO 500-2:2004 (**)	–	X	$X_{2)}$	$X_{2)}$	$X_{2)}$	–	$X_{2)}$

X Standard applicable.

– Standard not applicable.

$X_{1)}$ Standard applicable for tractors with a track width of more than 1 150 mm.

$X_{2)}$ Standard applicable for tractors with a track width of 1 150 mm or less.

(*) In the standard ISO 500-1:2004, the last sentence in section 6.2 is not applicable.

(**) For the purposes of this Directive, this standard also applies to tractors with a power take-off, the power of which exceeds 20 kW, measured in accordance with ISO 789-1:1990.

(***) For power take-offs of type 3 and where it is possible to reduce the dimension of the opening of the protective guard in order to adapt to the coupling elements to be used, the user manual must contain the following elements:

— warning relating to the consequences and risks caused by the reduced dimension of the protective guard,

— instructions and specific warnings relating to coupling and releasing the power take-offs,

— instructions and specific warnings relating to the use of tools or machines coupled to the rear power take-off.

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4.2. Provisions for front power take-offs

The specifications of ISO 8759-1:1998 apply to tractors with front power take-offs according to Table 2.

Table 2

Application of standards for front power take-offs of the different tractor categories

Standard applicable	T1 C1	T2 C2	T3 C3	T4.1 C4.1	T4.2 C4.2	T4.3 C4.3	T5 C5
ISO 8759-1:1998	X	X	$X_{3)}$	$X_{4)}$	X	$X_{4)}$	X

X Standard applicable.
$X_{3)}$ Standard applicable when the tractor is equipped with power take-offs as specified in this standard.
$X_{4)}$ Standard applicable, except clause 4.2.

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ANNEX II

Part 1

INFORMATION DOCUMENT No […]

pursuant to Annex I to Directive 2003/37/EC relating to EC type-approval of a tractor with respect to the power take-offs of tractors

The following information, if applicable, shall be supplied in triplicate and include a list of contents.

Any drawings shall be supplied in appropriate scale and in sufficient detail in A4 format. Photographs, if any, shall show sufficient detail.

0. GENERAL

0.1. Make(s) (trade mark registered by the manufacturer):

0.2. Type (specify any variants and versions):

0.3. Means of identification of type, if marked on the vehicle:

0.3.1. Manufacturer's plate (location and method of affixing):

0.4. Category of vehicle ([1]):

0.5. Name and address of manufacturer:

0.8. Name(s) and address(es) of assembly plant(s):

4.12. Power take-off(s) (revolutions per minute and ratio of this figure to that of the engine) (number, type and position)

4.12.1. Main power take-off(s):

4.12.2. Other(s):

4.12.3. Power take-off guard(s) (description, dimensions, drawings, photographs):

([1]) As defined in Annex II to Directive 2003/37/EC.

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Part 2

TYPE-APPROVAL DOCUMENTATION

MODEL

(maximum format: A4 (210 × 297 mm))

EC TYPE-APPROVAL CERTIFICATE

Stamp of administration

Communication concerning the

— type approval (1)

— extension of type approval (1)

— refusal of type approval (1)

— withdrawal of type approval (1)

of a type of tractor with regard to Directive 86/297/EEC,

Type-approval number: …

Reason for extension: …

Section I

0.1. Make (trade name of manufacturer):

0.2. Tractor type:

0.3. Means of identification of tractor type if marked on the tractor (2):

0.3.1. Location of that marking:

0.4. Category of vehicle (3):

0.5. Name and address of manufacturer:

0.8. Name(s) and address(es) of assembly plant(s):

Section II

1. Additional information (where applicable): See Addendum

2. Technical service responsible for carrying out the tests:

3. Date of test report:

4. Number of test report:

5. Remarks (if any): See Addendum

6. Place:

7. Date:

8. Signature:

9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

(1) Delete where not applicable.

(2) Where the means of identification of tractor type contains characters not relevant to describe the tractor types covered by this type-approval certificate, such characters are represented in the documentation by the symbol '?' (e.g. ABC?123?).

(3) As defined in Annex II to Directive 2003/37/EC.