

## TECHNICAL SHEETS FOR COORDINATION

### HORIZONTAL RECOMMENDATION FOR USE SHEETS (RfUs) – Status in April 2018

Number CNB/M/ (1)	Revision (Rev)	Key words	Approved by Horizontal Committee of NBs (2) on	Endorsed by Machinery Working Group on
00.001	37	Key addresses	12/12/2016	
00.100	03	Recommendation for Use sheets (RfUs) - Content - Addressees	26/06/2013	22/11/2013
00.213	04	EC type-examination, safety relevant aspects, omission of tests	26/11/2009	09/04/2001
00.220	03	Guards	13/12/2011	23/04/2012
00.230	04	Low voltage, tests, report, declaration, electrical components	15/06/2010	30/12/2010
00.240	03	Internal arrangements, series production, quality assurance (generalization of CNB/M/03.003)	26/11/2009	08/06/1998
00.250	07	Notified bodies, operational procedures, duties, certificates	29/06/2016	31/01/2018
00.251	06	EC type-examination of a modified Machinery	28/06/2012	17/01/2013
00.252	03	EC type-examination, series manufacture, internal checks	14/12/2010	23/05/2011
00.254	04	EC type-examination certificate, validity, renewal by original NB	18/06/2014	08/01/2015
00.255	03	Performance Levels, categories, SILs, hardware fault tolerance	10/12/2013	15/04/2014
00.301	03	Component, manual handling	26/11/2009	08/06/1998
00.302	04	Machinery, Errors of fitting	26/11/2009	08/06/1998
00.502	06	EMC, Emissions, Immunity	15/06/2010	30/12/2010
00.503	02	Sales literature	29/06/2016	31/01/2018

- (1): CNB/M/xx.xxx RERev yy = Coordination of Notified Bodies/Machinery/Numbering of the RfUs  
R: Recommendation for Use E: English version Rev: Revision yy: index of the Revision  
(2): NBs = Notified Bodies



**CO-ORDINATION OF NOTIFIED BODIES**  
**Machinery Directive 2006/42/EC + Amendment**  
**RECOMMENDATION FOR USE**

CNB/M/00.001  
 Revision 37  
 Language: E

Date of first stage: 01/03/2010

Origin: Technical Secretariat

To be approved by:

- Vertical Group
- Horizontal Committee .....

To be endorsed by:

- Machinery Working Group....

Approved on:

12/12/2016  
 xxxxxx

Endorsed on:

xxxxxxx

Question related to:

Article:

Annex:

ESR (1):

EN/prEN:

Clause:

CEN TC concerned:

Other:

Other clause:

Key words: Key addresses

Question:

What are the key addresses of the European Co-ordination of the notified bodies for Machinery Directive?

Solution:

The key addresses of the coordination are given in the following pages.

**EUROPEAN CO-ORDINATION FOR MACHINERY AND SAFETY COMPONENTS  
CHAIRMAN, VICE-CHAIRMAN, SECRETARIATS AND CONVENORS OF THE CO-ORDINATION GROUP FOR NOTIFIED BODIES**

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**EUROPEAN CO-ORDINATION FOR MACHINERY AND SAFETY COMPONENTS  
CHAIRMAN, VICE-CHAIRMAN, SECRETARIATS AND CONVENORS OF THE CO-ORDINATION GROUP FOR NOTIFIED BODIES**

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			Ms Manuela JADISCHKE	idem	E-mail: <a href="mailto:manuela.jadischke@bg-verkehr.de">manuela.jadischke@bg-verkehr.de</a>
7	Removable transmission cardan shafts				
8	Vehicles servicing lifts	<b>Mr Hermann HAASE</b>		NB 0417 Prüf- und Zertifizierungsstelle des FB Verkehr und Landschaft im DGUV Test	Hofmühlenstraße 4 D-01187 Dresden, Germany Phone: +49 (0) 351 423 6 521 Fax: +49 (0) 351 4236 591 E-mail: <a href="mailto:hermann.haase@bg-verkehr.de">hermann.haase@bg-verkehr.de</a>
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9	Lifting persons device (LPD)	<b>Mr Anton SEIDL</b>		NB 0036 TÜV Süd Industrie Service GmbH	Westendstrasse 199 D-80686 München, Germany Phone: +49 (0) 89 57912193 E-mail: <a href="mailto:anton.seidl@tuev-sued.de">anton.seidl@tuev-sued.de</a>
10	This VG does not exist anymore				

**EUROPEAN CO-ORDINATION FOR MACHINERY AND SAFETY COMPONENTS  
CHAIRMAN, VICE-CHAIRMAN, SECRETARIATS AND CONVENORS OF THE CO-ORDINATION GROUP FOR NOTIFIED BODIES**

V.G.or H.C N°	Title of the group	Convenor	Secretary	Organisation	Address
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**EUROPEAN CO-ORDINATION FOR MACHINERY AND SAFETY COMPONENTS  
OBSERVERS**

Organisation	Observers	Address
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European Commission Directorate-General for Internal Market, Industry, Entrepreneurship and SMES (Growth)	<b>Mr Mario GABRIELLI COSSELLU</b>	European Commission DG GROW Unit C3 Advanced Engineering and Manufacturing Systems BREYDEL Building - Room 10/160 Avenue d'Auderghem 45 B-1040 Brussels, Belgium Phone: + 32(0) 2 2995941 E-mail: <a href="mailto:mario.gabrielli-cossellu@ec.europa.eu">mario.gabrielli-cossellu@ec.europa.eu</a>
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1.5) If the level of safety specified in the applicable standard appears to be too low, or if an aspect of a standard that is doubtlessly wrong or seems to not fully meet the goal of the MD, the relevant interested parties (CEN/CENELEC TC, European Commission) shall be informed immediately.

Before decision is taken, the Vertical Group shall discuss the matter in order to reach a common agreement on how to proceed with the assessment of the conformity.

However, if the questions require an urgent solution the notified body who detected the possible deficiency(ies) or mistake(s) can start within the VG members a quick enquiry in order to collect answers within a reasonable period of time (less than 3 months).

If the question(s) are deemed to be of general interest, the Horizontal Committee shall also be informed.


The Member States and the European Commission are automatically informed through the minutes of the meetings of the Horizontal Committee.

2) The RfUs, "endorsed" by the Machinery Working Group shall be sent firstly by the Technical Secretariat (TS) to the NBs who are responsible for their implementation. The TS shall send the "endorsed" RfUs to the CEN/CENELEC TCs and to the European Commission in order to be uploaded in EUROPA Website.

The manufacturer of the machinery concerned has the ongoing responsibility of ensuring that he said machinery meets the corresponding state of the art (Annex IX point 9.2). State of the art is described in the harmonised standards; RfUs provide explanations and rules for implementing the clauses of the harmonised standards.

3) The fact of a standard being transferred to the ISO does not change either its status or the status of RfUs.

4) If a manufacturer applies a technical solution described in a Recommendation for Use (RfU) which deviates from the technical solution described in a harmonised C-standard, he must submit an example of the machinery either for the EC type-examination referred to in Annex IX or for the Full quality assurance referred to in Annex X because the machinery would not totally comply with the harmonised C-standard.

	<b>CO-ORDINATION OF NOTIFIED BODIES</b> <b>MACHINERY DIRECTIVE 2006/42/EC + Amendment</b>  <b>RECOMMENDATION FOR USE</b>	CNB/M/00.213 Revision 04 Language: E
Date of first stage: 16/07/1998	To be approved by:	Approved on:
Origin: Horizontal Committee - Generalization of CNB/M/11.018	<input checked="" type="checkbox"/> Vertical Group ..... <input checked="" type="checkbox"/> Horizontal Committee.....	26/11/2009  Endorsed on: 09/04/2001
Question related to: Dir. 2006/42/EC    Article: Annex:    EHSR (1):	EN/prEN: EN ISO 13849-1:2008 Normative clause: CEN TC concerned:	Other: Other clause:
Key words: EC type-examination, safety relevant aspects, omission of tests		
Question: Within the framework of an EC type-examination account should be taken of all safety-relevant aspects (category, electrical insulation, environmental factors as vibration, EMC etc.). In which well-founded cases exceptions from this rule are admissible?		
<p>Solution:</p> <p>In general a test can be omitted if a negative influence of performance and safety is not expected. Some examples may demonstrate how omissions can be justified:</p> <ol style="list-style-type: none"> <li>1. For indoor applications tests with limited temperature ranges (0 to 50°C) are admissible.</li> <li>2. If the type tested is used in an indoor application and foreseen to be mounted in an enclosure of P-rate IP 54 the IP-rate test can be omitted.</li> <li>3. In the case that safety-related controls consist only of electromechanical components EMC testing for immunity can be omitted.</li> <li>4. If the type tested is foreseen to be used with an external converting equipment with fulfils the power supply voltage interruption requirements the supply voltage can be omitted.</li> </ol> <p>All restrictions in the field of applications shall be mentioned in the EC type-examination certificate. However tests of safety relevant aspects cannot be omitted within framework of an EC type-examination, if cannot be ensured that all given requirements are fulfilled.</p> <p><b>Adaptation procedure: FORMAL ADAPTATION IN CONFORMITY WITH DIRECTIVE 2006/42/EC</b></p>		

(1) Essential health and safety requirement

Note: According to point 6.6 of the Guide of the implementation of directives based on the New Approach and the Global Approach, the notified bodies apply as general guidance this recommendation for use.







AVAILABLE COMPONENT INFORMATION	COMPONENT IS USED AS:		
	FUNCTIONAL COMPONENT	SAFETY RELATED COMPONENT	SAFETY COMPONENT (not covered by Annex IV)
	Failure of the component does not decrease the safety level	Failure of the component causes a limited decrease of safety	Failure leads to unacceptable decrease of safety
Manufacturer's specifications No conformity mark and no reference to compliance with standards	Y	N	N
Manufacturer's specifications with reference to a standard No conformity mark No declaration of Conformity	Y	Y(1)	N
Manufacturer's specifications +Declaration of Conformity	Y	Y	Y
Voluntary conformity marks	Y	Y	Y(2)
	EXAMPLES Plugs and sockets(3) Cables Push-buttons Pilot lights Switches/contactors/timers EI. Magnetic valves Temp. controls Motor start capacitor	See below (A)	See below (B)

In all cases it is assumed that components operate within their specified limits

Y= The notified body may accept the component with the information certificate provided

N= The notified body shall not accept the component as such other types of certificate or additional testing are needed


(1) if manufacturer states in writing that he has followed the standard

(2) only if test report shows that the safety functions have been checked as well

(3) strictly speaking plugs and sockets outlets for domestic use are not under the low voltage directive.


(A): EXAMPLES Transformers. Temp. limiters. Position Switches without positive opening operation. Motor protectors. Overload protectors. Main power switches. Power supply units. Fuses

(B): EXAMPLES: see Machinery Directive Annex V (Note: some of the safety components listed in Annex V are also listed in Annex IV)

	<b>CO-ORDINATION OF NOTIFIED BODIES</b> <b>MACHINERY DIRECTIVE 2006/42/EC + Amendment</b>  <b>RECOMMENDATION FOR USE</b>	CNB/M/00.240 Revision 03 Language: E
Date of first stage: 30/09/1996	To be approved by:	Approved on:
Origin: Horizontal Committee - generalization of CNB/M/03.003	<input type="checkbox"/> Vertical Group ..... <input checked="" type="checkbox"/> Horizontal Committee .....  To be endorsed by: <input checked="" type="checkbox"/> Machinery Working Group..	26/11/2009  Endorsed on: 08/06/1998
Question related to: Dir. 2006/42/EC    Article: Annex: IX-Point 2 et Annex VII-A 1, b)    EHSR (1):	EN/prEN:  Clause:  CEN TC concerned:	Other:  Other clause:
Key words: Internal arrangements, series production, quality assurance		
Question: In the EC type-examination requested dossier what shall "the internal arrangements for maintaining the conformity of machines and safety components manufactured in series" contain? What are the acceptance criteria for the Notified Body?		
Solution: Annex IX point 2. and Annex VII-A 1. b) require that the technical dossier contains the internal arrangements established to ensure that the conformity of machines and safety components manufactured in series meet the requirements of the Directive. The notified body cannot require the manufacturer to present a quality manual conforming to the series EN ISO 9-000 standards (preferably 9001). If the firm has set up such a system it is enough to have a copy of the certificate. Otherwise, the notified body will be satisfied with a commitment from the manufacturer to ensure the homogeneity of manufacturing together with a concise description of the means of control. The controlling may rest on : <ul style="list-style-type: none"> <li>- foreign bought parts, components,</li> <li>- during production,</li> <li>- final check before delivering the machines/safety components.</li> <li>- check list for the final check</li> <li>- external compliance</li> </ul>  <b>Adaptation procedure: FORMAL ADAPTATION IN CONFORMITY WITH DIRECTIVE 2006/42/EC</b>		

(1) Essential health and safety requirement

Note: According to point 6.6 of the Guide of the implementation of directives based on the New Approach and the Global Approach, the notified bodies apply as general guidance this recommendation for use.

	<b>CO-ORDINATION OF NOTIFIED BODIES</b> <b>Machinery Directive 2006/42/EC + Amendment</b>  <b>RECOMMENDATION FOR USE</b>	CNB/M/00.251 Revision 06  Language: E
Date of first stage: 09/11/2010	To be approved by:	Approved on:
Origin: Horizontal Committee	<input type="checkbox"/> Vertical Group ..... <input checked="" type="checkbox"/> Horizontal Committee .....	28/06/2012
Question related to: Directive 2006/42/EC Article: 12.3 b), 12.4 a) Annex: IX ESR (1):	To be endorsed by: <input checked="" type="checkbox"/> Machinery Working Group....	Endorsed on: 17/01/2013
EN/prEN:	Other:	
Clause:	Other clause:	
CEN TC concerned:		
Key words: EC type-examination of a modified Machinery		
Question:		
How must a Notified Body (NB2) deal with an application of an assessment of conformity (EC type-examination) for a modified machinery while the base machinery was assessed by a Notified Body (NB1) who is different from NB2 and who delivered an EC type-examination certificate to the base machinery?		
Solution:		
<p>The manufacturer has to address the NB1 when he makes changes to a machine (see Machinery Directive); NB1 will assess what impact the intended modifications may have on the validity of the EC type-examination certificate he issued. If NB1 reaches the conclusion that machinery, when subject to the envisaged modifications, will no longer be covered by the original EC type-examination certificate, he will inform the manufacturer about his conclusion.</p> <p>If the manufacturer decides to go ahead and implement the envisaged changes, he must change the type and he has to make a new application in order to assess conformity with essential health and safety requirements of the Machinery directive. Such application may in this case be made to other NB2 that the manufacturer chooses. NB2 is responsible for the whole new type and it's up to the NB2 to accept technical files, certificates (e.g. for type approved Annex IV safety components) and /or test reports.</p>		

## (1) Essential safety requirement

Note: According to point 6.6 of the Guide of the implementation of directives based on the New Approach and the Global Approach, the notified bodies apply as general guidance this recommendation for use.





**CO-ORDINATION OF NOTIFIED BODIES  
Machinery Directive 2006/42/EC + Amendment  
RECOMMENDATION FOR USE**

CNB/M/00.254  
Revision 04  
Language: E

Date of first stage: 29.8.2013		To be approved by:	Approved on:
Origin: Horizontal Committee		<input type="checkbox"/> Vertical Group..... <input checked="" type="checkbox"/> Horizontal Committee.....  To be endorsed by: <input checked="" type="checkbox"/> Machinery Working Group....	18/06/2014  Endorsed on: 08/01/2015
Question related to: Directive 2006/42/EC	Article:	EN/prEN:	Other:
Annex: IX 9.3	ESR (1):	Clause:	Other clause:

CEN TC concerned:

Key words: EC type-examination certificate, validity, renewal by original NB

§400 of the Guide to the MD states in matters of section 9.3 of annex IX:

“When reviewing an EC type-examination certificate, the Notified Body shall examine the technical file for the machinery in the light of any significant evolution of the state of the art over the elapsed five-year period.”

Question:

What are the minimum information and types of documents the NB has to request from the client when it wants to review the validity of the EC type-examination certificate?

Answer:

A manufacturer who considers his machine not to be modified and who wants to renew his EC type-examination certificate shall be requested to send to the notified body a written request which shall be accompanied, at least, by the following information and documents:

- Confirmation of the name and location of the current manufacturer,
- Confirmation that there were no modifications made to the machine with respect to the former type-examination, including all versions, components and optional assets,
- Pictures and drawings of the current machine,
- Confirmation that the manufacturer has received no complaints related to the safety of the machine during the last five years.


The manufacturer is free to send any additional documents supporting his request for renewal. The NB is in the responsibility to request further documents of its own choice.

All documents shall be examined in relation to the requirements of the current version of the Machinery Directive.

If the NB is convinced that the machine has not been significantly modified and still complies with all requirements of the Machinery Directive, it will renew the EC type-examination certificate according section 4 of Annex IX. In any case it is at the liberty of the NB to not rely on the documents but to carry out verifications on a sample of the machinery.





	<b>CO-ORDINATION OF NOTIFIED BODIES</b> <b>MACHINERY DIRECTIVE 2006/42/EC + Amendment</b>  <b>RECOMMENDATION FOR USE</b>	CNB/M/00.301 Revision 03 Language: E
Date of first stage: 12/05/1997	To be approved by:	Approved on:
Origin: Horizontal Committee	<input type="checkbox"/> Vertical Group ..... <input checked="" type="checkbox"/> Horizontal Committee.....	26/11/2009
	To be endorsed by:	Endorsed on:
	<input checked="" type="checkbox"/> Machinery Working Group..	08/06/1998
Question related to: Dir. 2006/42/EC	Article:	EN/prEN: EN 1005-2: 2003/A1 :2008
Annex:	EHSR (1):	Other:
	Clause:	Other clause:
	CEN TC concerned:	
Key words: Component, manual handling		
Question: What criteria should be taken into account when evaluating if a component can be transported by hand?		
Solution:		
<p>The principal criteria to be taken into consideration are :</p> <ul style="list-style-type: none"> <li>. the mass of the component</li> </ul>		
<p>by component we mean all components used during the maintenance</p> <ul style="list-style-type: none"> <li>. the dimensions of the component.</li> </ul>		
<p>The maximum permitted mass per person is worked out according to the maximum distance between lifting and laying, as per the following table, and under no circumstances can exceed 25 Kg (in accordance with Directive 90/269/EEC, see also EN 1005-2:2003/A1:2008 safety of machinery. Human safety performance Part 2: Manual handling of machinery and component parts of machinery). Otherwise, standardised gripping devices which can be used in conjunction with slings, hooks, lifting rings or more simply cut holes must be foreseen for handling, and the instruction handbook should give all the necessary instructions.</p>		
<p>Regardless of their weight, machine components which are more hazardous due to sharp areas, bulky shapes, slippery lubricated surfaces, etc. must be fitted with appropriate devices to ease handling.</p>		
<p><b>Adaptation procedure: FORMAL ADAPTATION IN CONFORMITY WITH DIRECTIVE 2006/42/EC</b></p>		

(1) Essential health and safety requirement

Note: According to point 6.6 of the Guide of the implementation of directives based on the New Approach and the Global Approach, the notified bodies apply as general guidance this recommendation for use.

Where the mass of a component to be handled is not obvious, (a strengthened, heat insulating guard for example), an indication regarding its sturdiness must be affixed to the guard itself.

The notified body should ensure that the instruction handbook gives all the details pertinent to the handling of these components.

The mass of components exceeding 25 Kg must be mentioned in the instruction handbook.

MASS (m) (kg)	MAXIMUM DISTANCE BETWEEN LIFTING AND LAYING (m)	
	HORIZONTAL DIRECTION	VERTICAL DIRECTION
$0 < m \leq$	1,2	1
$10 < m \leq$	1	0,8
$15 < m \leq$	0,8	0,6





The manufacturer and any notified body which may be involved in the conformity assessment process must ensure that these rather particular aspects are properly dealt with. We should bear in mind that effects of interference on the machine are covered specifically by the EMC directive and not the machinery directive. The following are possible approaches:

- reports drawn up by competent EMC bodies;
- declarations of conformity to the EMC directive for components, apparatus, systems forming part of the machine;
- analysis of the electrical circuit to determine whether the electromagnetic interference is likely to create a dangerous situation. The designer may have decided to guarantee immunity by using electromechanical devices which are not vulnerable to interference. In this case of complex control circuits, the manufacturer must make a risk analysis to evaluate the effect of faults. This analysis is to be included in the technical file.

It is often impossible to verify by testing whether a large machine is immune. In this case, the immunity of the electronic control systems and safety components is to be checked.

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