CE marking

2017
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PRESENTERS

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CE marking
CE marking
CE marking  Dangerous = certification

Medical

Explosive areas

Machinery

0470
CE marking

The Directives
- LVD
- EMC
- RED
- RoHS
- ErP
Standards are listed in Official Journal

### Official Journal:

#### Summary list of titles and references of harmonised standards under Directive 2014/35/EU for Low Voltage

<table>
<thead>
<tr>
<th>ESO (1)</th>
<th>Reference and title of the standard (and reference document)</th>
<th>Reference of superseded standard</th>
<th>Date of cessation of presumption of conformity of superseded standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cenelec</td>
<td>EN 60950-1:2006 Information technology equipment - Safety - Part 1: General requirements IEC 60950-1:2005 (Modified)</td>
<td>This is the first publication</td>
<td>EN 60950-1:2001 + A11:2004 Note 2.1</td>
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<td>EN 60950-1:2006/A2:2013 IEC 60950-1:2005/A2:2013 (Modified)</td>
<td>This is the first publication</td>
<td>Note 3 02/07/2016</td>
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</tbody>
</table>

Note 1

Note 2.1

Note 3
CE marking
CE marking

Declaration

I hereby declare ....
CE marking

Risks?

Directives?

Decide standards
# Declaration of Conformity (DoC)

<table>
<thead>
<tr>
<th>Directive</th>
<th>Standard</th>
<th>Standard</th>
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<tbody>
<tr>
<td>Directive 1</td>
<td>Standard</td>
<td>Standard</td>
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<td>Directive 2</td>
<td>Standard</td>
<td>Standard</td>
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<td>Directive 3</td>
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CE marking

Directives

- LVD
- EMC
- RED
- ErP
- RoHS
### Declaration of Conformity (DoC)

#### Directives

<table>
<thead>
<tr>
<th>Directive</th>
<th>Directive Number</th>
<th>Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>EN 62333</td>
</tr>
</tbody>
</table>
|           |                  | EN 61000-3-2:2014  
|           |                  | EN 61000-3-3:2013  
| RoHS      | 2011/65/EU       | EN 50581:2012 (or EN 62321 series)  |
| Erp       | 2009/125/EC      | EN 50564:2011  
|           | 2008/12/75/EC    | (regulation)  |

(Described in Annex IV of LVD)
Documenting the standards

ErP

LVD

RoHS

EMC
Technical Construction File – TCF

- Declaration of Conformity
- Test reports incl. risk assessment
- Prod QA
- Description Schematics etc.
- Manuals etc.

Technical Construction File (TCF)
Responsibilities?

Manufacturer

- Make the TCF
- Make / sign the DoC
- Put on CE marking
- Name/adr on the product
Responsibilities?

Importer
- Have the DoC
- Access to TCF
- Name/adr on product

Re-brander
= manufacturer (not importer)
Challenge - keeping updated

Changing directives: List of EU directives

Changing standards: Official Journals

Understanding changes: “Blue Guide”

Nemko certificate = being kept updated
Summary

**Manufacturer**
- Has already the technical documentation
- Collects existing certification on e.g. PSU
- Get the product tested according to standards
- Collects all documentation into a TCF
- Makes DoC and CE marks the product
- Put name / address on the product
- Keep files of products sold

**Importer**
- Gets the DoC from manufacturer
- Verifies CE marking
- Puts name / address on the product
- Ensures access to TCF
- Keep files of products in/sold

**Distributor**
- Knowledge of CE marking and documentation
- Confirmation from manufacturer/importer
- Assist local authorities
Nemko can help you with:

- Testing according to standards
- Certification - national, EU and international
- Guidance in requirements, directives, standards etc. including risk, RoHS, ...
- “Start-up package”

Contact: info@nemko.com