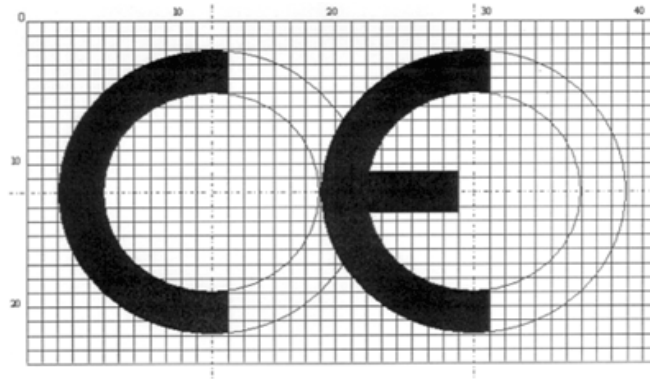


Session 4 – European Directives – CE Marking Overview



CE Marking (cont.)

It should be noted that this indication for the benefit of national administrations is the sole purpose of the CE Mark. It is not intended to be used as a marketing tool; it does not even indicate that an assembly is "Made in Europe". Nor does it imply a level of quality or that the assembly has been in any way "approved" or third-party certified.



Electrical products intended for Zone 0 and Zone 1 installations still require testing by a third party and a documented quality system by the manufacturer. This implies that Zone 2 material does not have to undergo third party testing and approvals, but can be self-certified by the manufacturer. The CE mark is a manufacturer's self-declaration that the products meet a standard. It is not an approval and is only required in the European market.

Countries requiring CE compliance



The EU Member states legally require CE-Marking.

The European Free Trade Association (EFTA*) countries, with the exception of Switzerland, also enforce CE-Marking.

*-Iceland, Liechtenstein, Norway and Switzerland are EFTA countries.

- Austria** (became member in 1995)
- Belgium** (Founder Member in 1957)
- Denmark** (1973)
- Finland** (1995)
- France** (1957)
- Germany** (1957)
- Greece** (1981)
- Ireland** (1973)
- Italy** (1957)
- Luxemburg** (1957)
- the Netherlands** (1957)
- Portugal** (1986)
- Spain** (1986)
- Sweden** (1995)
- United Kingdom (Great Britain)**(1973)
- Estonia** (2004)
- Latvia** (2004)
- Lithuania** (2004)
- Poland** (2004)
- Czech Republic** (2004)
- Slovakia** (2004)
- Hungary** (2004)
- Slovenia** (2004)
- Malta** (2004)
- Cyprus** (2004)
- Romania** (2006)

Countries requiring CE compliance





Member states of the European Union (2008)

Candidate countries

Directives for CE compliance

73/23/EEC 93/68/EEC	73/23/EEC	Low Voltage
87/404/EEC 90/488/EEC 93/68/EEC		Simple Pressure Vessels
88/378/EEC 93/68/EEC	88/378/EEC	Safety of toys
89/106/EEC 93/68/EEC	89/106/EEC	Construction products
89/336/EEC 92/31/EC 93/68/EEC 2004/108/EC	89/336/EEC	Electromagnetic compatibility (EMC)
98/37/EC 98/79/EC		Machinery
89/686/EEC 93/68/EEC 93/95/EEC 96/58/EC	89/686/EEC	Personal protective equipment (PPE)
90/384/EEC 93/68/EEC		Non-automatic weighing instruments
90/385/EEC 93/42/EEC 93/68/EEC	90/385/EEC	Active implantable medical devices
90/396/EEC 93/68/EEC	90/396/EEC	Appliances burning gaseous fuels
92/42/EEC 93/68/EEC	92/42/EEC	Efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels
93/15/EEC		Explosives for civil uses
93/42/EEC 98/79/EC 2000/70/EC		Medical devices
94/9/EC		Equipment explosive atmospheres (ATEX)
94/25/EC 2003/44/EC	94/25/EC	Recreational craft
95/16/EC		Lifts
97/23/EC		Pressure equipment
98/79/EC		In vitro diagnostic medical devices
1999/5/EC		Radio Equipment and Telecommunications Terminal Equipment and the Mutual Recognition of their Conformity
2000/9/EC		Cableway installations designed to carry persons
2004/22/EC		Measuring instruments

EC DoC Example

<p>EC - Declaration of conformity CE – Déclaration De Conformité EG - Konformitätserklärung</p>		 <p>Victor Products Ltd New York Way New York Industrial Park Newcastle upon Tyne NE27 0QF ENGLAND</p>	
<p>TRIDENT VL125 VL125 IP66/67 SIRA03ATEX3206 T100°C C EEx II 2GD EEx em II T4</p>			
<p>Victor Products Ltd</p> <p>Hereby declare our sole responsibility that the product which is the subject of this declaration is in conformity with the following standards or normative documents.</p> <p>Erklären in alleiniger Verantwortung, daß das Product auf das sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokumenten Übereinstimmt.</p> <p>Déclarons de notre seule responsabilité, que le produit auquel cette déclaration se rapporte, est conforme aux norme(s) ou aux documents normatifs suivants.</p>			
<p>Number and date of standard Nr. Sowie Ausgabedatum der Norm No. Ainsi que date d'émission des normes.</p>		<p>Directive description Bestimmungen der Richtlinie Prescription de la directive</p>	
<p>EN 50014 (1998)</p> <p>EN 50019 (2000)</p> <p>EN 50028 (1987)</p> <p>EN 50281 (1999)</p>		<p>94/9 EC : Equipment and protective systems intended for use in potentially explosive atmospheres.</p> <p>94/9 EG: Geräte und Schutzsysteme zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen</p> <p>94/9 CE: Appareils et systèmes de protection destinés a être utilisés en atmosphères explosibles.</p>	
<p>EN50082 (1992)</p> <p>EN55015 (1993)</p> <p>EN 60555-2 (1987)</p>		<p>89/336 EEC: Electromagnetic Compatability</p> <p>89/336 EWG: Elektromagnetische Verträglichkeit</p> <p>89/336 CEE: Compatibilité électromagnétique</p>	
<p>Notified Body: SIRA Certification Services (0518) Rake Lane Eccleston Chester CH4 9JN</p>		 <p>Dr. G. I. Mood Technical Director 29/03/04</p>	

EC Declaration of Conformity – Different than an Ex Certificate. Issued by the Manufacturer in Question. Does not necessarily mean tested by a lab.


Other Directives that Electrical Engineers should be aware of...

Machine Guideline Directive

Directive of the European Parliament and the council dated June 22, 1998, for alignment of the legal and administrative regulations of the member states concerning machines 98/37/EC (based on 89/392/EEC) 01.01.93 31.12.94

PED Pressure equipment Directive

Directive 97/23/EC of the European Parliament and the council dated May 29, 1997, for alignment of the legal regulations of the member states concerning pressure equipment 97/23/EC 29.11.99 29.05.02



DET NORSKE VERITAS

QS CERTIFICATE OF ASSESSMENT-EC

Application of the Council Directive 97/23/EC of 29 May 1997 on Pressure Equipment, as amended.

CERTIFICATE NO. PED-H-50
This Certificate consists of front page + Appendixes

This is to certify that the quality system of

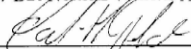
Invensys Systems Inc.
FOXBORO-MA 02035, USA


for design, manufacture and testing of
Flowmeters and Pressure Transmitters

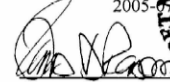
as specified in the Appendix I to this certificate, is found to comply with the requirements of the Pressure Equipment Directive

The Manufacturers Quality System for the equipment has been assessed with respect to the procedure of conformity assessment as described in Module H, in the Directive

Further details of the product and conditions for the certification are given overleaf.

Place and date
Høvik, 2002-07-09
for DET NORSKE VERITAS AS

Carl-Morten Gjeldnes
Head of Section
CNCNO750


Notified Body No.:
0575
Local Office
DNV Calgary

This Certificate is valid until
2005-07-09

Hans Dyrdal Rasmussen
Surveyor

Notice: The certificate is subject to terms and condition, if any, overleaf. Any significant changes in design or construction of the product, the quality system or amendments to the Directive or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with the Council Directive, as amended.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.