

Irish Standard I.S. EN 473:2008

Non-destructive testing - Qualification and certification of NDT personnel - General principles

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Non-destructive testing - Qualification and certification of NDT personnel - General principles

Essais non destructifs - Qualification et certification du personnel END - Principes généraux

Zerstörungsfreie Prüfung - Qualifizierung und Zertifizierung von Personal der zerstörungsfreien Prüfung - Allgemeine Grundlagen

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EN 473:2008 (E)

Contents Page

Forew	ord	3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Methods and symbols	8
5 5.1 5.2 5.3	General principles General Duties and responsibilities Levels of qualification	8 9
6 6.1 6.2 6.3 6.4	Eligibility General Training Industrial NDT experience Vision requirements - all levels	12 12 13
7 7.1 7.2 7.3 7.4 7.5 7.6	Qualification examination	15 18 19
8 8.1 8.2 8.3	Certification	20
9	Renewal	21
10 10.1 10.2 10.3 10.4	Recertification	22 22 22
11	Files	
12	Transition period	
	A (normative) Sectors B (normative) Minimum number and type of test specimens for the levels 1 and 2 practical examination	
Annex	C (normative) Structured credit system for level 3 recertification	27
	D (normative) Grading Practical examination	29 29
Annex	ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 97/23/EC	32
Bibliog	graphygraphy	33

EN 473:2008 (E)

Foreword

This document (EN 473:2008) has been prepared by Technical Committee CEN/TC 138 "Non-destructive testing", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2008, and conflicting national standards shall be withdrawn at the latest by December 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document will supersede EN 473:2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard establishes principles for the qualification and certification of personnel who perform industrial non-destructive testing (NDT). The term 'industrial' implies the exclusion of applications in the field of medicine.

The system described in this European Standard can also apply to other NDT methods, or to new techniques within an established NDT method, provided a comprehensive scheme of certification exists and the method or technique is covered by European, international or national standards, or the new NDT method or technique has been demonstrated as effective through a formal qualification carried out in accordance with CEN/TR 14748.

NOTE 1 Wherever gender specific words such as "his", "her", "he" or "she" appear in this standard, the other gender is also applicable.

When certification of NDT personnel is defined in product standards, regulations, codes or specifications, it is recommended to certify the personnel in accordance with this European Standard.

NOTE 2 The methodology for "Approval" of NDT personnel is not specified in Directive 97/23/EC [4] and it was agreed that guidance was required in order to ensure a consistent approach to the application of the Directive and the implementation of Working Group Pressure guideline 6/13 [5] by Recognised Third Party Organisations (RTPO). As a result a Code of Practice was developed as Technical Report CEN/TR 15589 [3].

The certification covers proficiency in one or more of the following methods:

- a) acoustic emission testing;
- b) eddy current testing;
- c) leak testing (hydraulic pressure tests excluded);
- d) magnetic particle testing;
- e) penetrant testing;
- f) radiographic testing;
- g) ultrasonic testing;
- h) visual testing (direct unaided visual tests and visual tests carried out during the application of another NDT method are excluded).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN/TR 14748:2004, Non-destructive testing – Methodology for qualification of non-destructive tests

CEN/TS 15053:2005, Non-destructive testing – Recommendations for discontinuities-types in test specimens for examination

EN ISO/IEC 17024:2003, Conformity assessment – General requirements for bodies operating certification of persons (ISO/IEC 17024:2003)



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