

DIN EN ISO 9712:2022-09 (E)

Non-destructive testing - Qualification and certification of NDT personnel (ISO 9712:2021)

Contents	Page
Foreword	6
Introduction	8
European foreword	4
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU aimed to be covered	5
1 Scope	9
2 Normative references	9
3 Terms and definitions	10
4 Abbreviated terms	14
5 Responsibilities	14
5.1 General	14
5.2 Certification body	14
5.3 Authorized qualification body	16
5.4 Examination centre	16
5.5 Employer	16
5.6 Candidate	17
5.7 Certificate holders	17
5.8 Examiners	18
5.9 Referee	18
6 Levels of certification	18
6.1 Level 1	18
6.2 Level 2	18
6.3 Level 3	19
7 Eligibility	19
7.1 General	19
7.2 Training	19
7.3 Industrial NDT experience	21
7.3.1 General	21
7.3.2 Level 3	21
7.3.3 Possible reductions	22
7.4 Vision requirements -- all levels	22
7.4.1 General	22
7.4.2 Near vision acuity	22
7.4.3 Colour vision	22
7.4.4 Personnel administering vision tests	23
8 Examinations	23
8.1 Overview	23
8.1.1 General	23
8.1.2 Examination elements	23
8.1.3 Examination time	24

8.1.4	Examination aids	24
8.2	Examination content and grading for Level 1 and Level 2	24
8.2.1	General examination element	24
8.2.2	Specific examination element	24
8.2.3	Practical examination element	24
8.2.4	NDT instruction writing examination element	25
8.2.5	Grading of the Level 1 and Level 2 examination	25
8.3	Examination content and grading for Level 3	26
8.3.1	General	26
8.3.2	Basic examination element	26
8.3.3	Main method examination element	27
8.3.4	Grading of Level 3 examinations	27
8.4	Conduct of examinations	28
8.5	Re-examination	28
8.6	Supplementary examinations	29
9	Certification	29
9.1	Administration	29
9.2	Certificates	29
9.3	Conditions of certification	30
9.3.1	General	30
9.3.2	Granting	30
9.3.3	Scope extension	30
9.3.4	Suspension of certification	30
9.3.5	Withdrawal of certification	30
9.3.6	Certification after withdrawal	31
9.3.7	Waiting period prior to certification after withdrawal	31
9.4	Certificates issued by other certification bodies	31
10	Renewal	31
11	Recertification	32
11.1	General	32
11.2	Levels 1 and 2	33
11.3	Level 3	33
12	Files	34
13	Transition period	35
Annex A (normative)	Sectors	36
Annex B (normative)	Minimum number and type of specimens for the Level 1 and Level 2 practical examination element	38
Annex C (normative)	Structured credit system for renewal Level 1, 2 and 3 and for Level 3 recertification	39
Annex D (normative)	Grading practical examination elements	43
Annex E (informative)	Engineering of NDT	45
Annex F (informative)	Training requirements for techniques	46
Annex G (informative)	Psychometric principles	49
Bibliography	50