

ISO 9712:2021-12 (E)

Non-destructive testing - Qualification and certification of NDT personnel

Contents		Page
Foreword		v
Introduction		vii
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Abbreviated terms	6
5	Responsibilities	6
5.1	General	6
5.2	Certification body	6
5.3	Authorized qualification body	8
5.4	Examination centre	8
5.5	Employer	8
5.6	Candidate	9
5.7	Certificate holders	9
5.8	Examiners	10
5.9	Referee	10
6	Levels of certification	10
6.1	Level 1	10
6.2	Level 2	10
6.3	Level 3	11
7	Eligibility	11
7.1	General	11
7.2	Training	11
7.3	Industrial NDT experience	13
7.3.1	General	13
7.3.2	Level 3	13
7.3.3	Possible reductions	14
7.4	Vision requirements — all levels	14
7.4.1	General	14
7.4.2	Near vision acuity	14
7.4.3	Colour vision	14
7.4.4	Personnel administering vision tests	15
8	Examinations	15
8.1	Overview	15
8.1.1	General	15
8.1.2	Examination elements	15
8.1.3	Examination time	16
8.1.4	Examination aids	16
8.2	Examination content and grading for Level 1 and Level 2	16
8.2.1	General examination element	16
8.2.2	Specific examination element	16
8.2.3	Practical examination element	16
8.2.4	NDT instruction writing examination element	17
8.2.5	Grading of the Level 1 and Level 2 examination	17
8.3	Examination content and grading for Level 3	18
8.3.1	General	18

8.3.2	Basic examination element.....	18
8.3.3	Main method examination element.....	19
8.3.4	Grading of Level 3 examinations.....	19
8.4	Conduct of examinations.....	20
8.5	Re-examination.....	20
8.6	Supplementary examinations.....	21
9	Certification.....	21
9.1	Administration.....	21
9.2	Certificates.....	21
9.3	Conditions of certification.....	22
9.3.1	General.....	22
9.3.2	Granting.....	22
9.3.3	Scope extension.....	22
9.3.4	Suspension of certification.....	22
9.3.5	Withdrawal of certification.....	22
9.3.6	Certification after withdrawal.....	23
9.3.7	Waiting period prior to certification after withdrawal.....	23
9.4	Certificates issued by other certification bodies.....	23
10	Renewal.....	23
11	Recertification.....	24
11.1	General.....	24
11.2	Levels 1 and 2.....	25
11.3	Level 3.....	25
12	Files.....	26
13	Transition period.....	27
Annex A (normative) Sectors.....		28
Annex B (normative) Minimum number and type of specimens for the Level 1 and Level 2 practical examination element.....		30
Annex C (normative) Structured credit system for renewal Level 1, 2 and 3 and for Level 3 recertification.....		31
Annex D (normative) Grading practical examination elements.....		35
Annex E (informative) Engineering of NDT.....		37
Annex F (informative) Training requirements for techniques.....		38
Annex G (informative) Psychometric principles.....		41
Bibliography.....		42