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1.0 TRAINING

1.1 Requirements

- 1.1.1 Applicants must provide documentary evidence, acceptable to the Certification Department, confirming that they have successfully completed training in the method and level for which certification is requested. Training for initial certification is valid for up to ten years from the date of completion.
- 1.1.2 The minimum training duration required for certification is defined in Table 1 (see Minimum Training Requirements) for each applicable NDT method, with possible reductions outlined in Section 1.2 (see Possible Reduction). This duration assumes the applicant has sufficient mathematical skills and prior knowledge of materials and processes. If not, RSA may require additional training.
- 1.1.3 At all levels, applicants must complete a training program consisting of 50% theoretical instruction and 50% practical training, recognized by RSA. Guidance on training syllabuses for NDT applicants can be found in ISO/TR 25107.
- 1.1.4 For NDT Level 3 applicants, beyond the minimum training requirements listed in Table 1 (see Minimum Training Requirements), preparation for qualification may be achieved in various ways depending on the applicant's scientific and technical background. This may include attending additional training courses, conferences, or seminars, as well as independent study through books, journals, or other specialized printed or digital materials.
- 1.1.5 For the RT method, required training hours do not include radiation safety training.

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1.1.6 For all NDT levels, theoretical training may be delivered through various formats such as face-to-face instructor-led sessions, personalized instruction, virtual instructor-led training, computer-based training, web-based learning, or a combination of these. For computer-based and web-based training, both hours and training content must be tracked, with applicant examinations conducted in accordance with Section 1.1.2 above. Practical training shall be delivered by a face-to-face instructor-led training only.

1.1.7 Training must be sufficiently structured to ensure that applicants are thoroughly familiar with the principles and practices of the relevant NDT method, appropriate to the desired certification level, the processes to be applied, and the products to be tested.

1.1.8 Considering the responsibilities of a certified NDT Level and the requirements of Part C of the basic examination for Level 3 (see Table Minimum Required Number of Basic Examination Questions), additional training in other NDT methods may be required.

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Table 1: Minimum Training Requirements

NDT Qualification			Training Requirements in Days				
Method	Technique	Limited	Level 1	Level 2		Level 3	
				With Level 1	Direct Access	With Level 2	Direct Access
AT			5	8	13	5	18
		<u>ODA</u>	<u>NA</u>	<u>4⁽¹⁾</u>	<u>7</u>	<u>NA</u>	
ET			5	6	11	6	17
	ECT		3	3	6	NA	
	RFET		3	3	6	NA	
	ACFM		3	3	6	NA	
LT			5	9	14	6	18
	LTG		2	5	7	NA	
	LTB		2	5	7	NA	
MT			3	2	5	4	9
	MFLP		1	2	3	NA	
	MFLT		1	2	3	NA	
PT			3	2	5	3	8
RT			5	10	15	5	20
	RTD		3	5	8	NA	
		RTFI	NA	3	8	NA	
		RTFD	NA	2	4	NA	
ST			2	3	5	2	7
TT			5	6	11	5	16
UT			8	10	18	5	23
	TOFD		5	5	10	NA	
	PAUT		5	5	10	NA	
	IRIS		5	5	10	NA	
		UTLC	NA	4	9	NA	
		UTTM	NA	4	9	NA	
		UTBC	NA	4	9	NA	
VT			3	2	5	3	8

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1.2 Possible Reduction

1.2.1 Training duration reductions may be considered as described hereafter. However, when multiple reductions apply, the total reduction shall not exceed 50% of the duration specified in Table 1 (see Minimum Training Requirements).

1.2.2 For all levels,

- i. For applicants seeking certification in more than one method (e.g., MT and PT), or for those already certified and applying for an additional method, where the training syllabus overlaps in certain areas such as product technology, the total training days required for these methods (e.g., PT, MT, VT) may be reduced accordingly.
- ii. For applicants holding a Diploma or Higher Degree in Science, Engineering, or Technology, the total required training days may be reduced by up to 50%.
- iii. For NDT Levels 1 and 2, if the scope of work is restricted in terms of application and/or technique, both the scope and duration of training may be reduced by up to 50%.

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2.0 PRE-REQUISITE

2.1 Requirements

2.1.1 Candidates applying for IPCS NDT certification must fulfil the education and experience requirements outlined in Table 1 (NDT Qualification Pre- Requisite). A single training day is considered a minimum of seven hours, which may be completed in one day or accumulated over time.

No more than 12 hours may be counted in any single day. The total experience in days is calculated by dividing the accumulated hours by seven.

2.1.2 Evidence of prior certification may be accepted as proof of qualification for equivalent certification levels.

2.1.3 Applicants are required to submit documents covering their education, relevant work history, and employment details. These documents must include:

- Educational background supported with relevant certificates.
- A list of previous employers with contact information where available.
- Details of the work performed along with dates of employment.
- A verification letter from the employer or client.

2.1.4 The Certification Department reserves the right to verify all submitted education, work, and employment records. Providing false information will result in rejection of the application and may disqualify the applicant from pursuing IPCS NDT Level 1, Level 2, or Level 3 certification.

2.1.5 When experience is obtained concurrently in two or more surface NDT methods (such as MT, PT, and VT), the experience gained in one method may count toward the experience requirements of the other methods.

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2.2 Possible Reduction

- 2.2.2 Certified NDT Level 1, 2, or 3 personnel who wish to add an additional method may be permitted up to a 25% reduction in the required experience for that method.
- 2.2.3 Certified NDT Level 1, 2, or 3 personnel who change sector, add another sector, or introduce a new technique within the same NDT method must acquire additional experience equal to at least 25% of the requirement specified in Table 2 (NDT Qualification Pre-Requisite). In all cases, this additional experience shall not be less than 15 days.
- 2.2.4 If the certification being applied for has a limited scope such as radiographic interpretation, thickness measurement, or automated testing, the required experience may be reduced by up to 50%. However, the total experience must not be less than 15 days.
- 2.2.5 A maximum of 50% of the required industrial experience may be obtained through a Structured Experience Program (SEP). Attendance of one day in an SEP can count as up to five days of industrial experience. The SEP must cover all typical tasks relevant to the level, method, and sector applied for, with the aim of building specific knowledge of products and techniques. Approval from the Certification Department is required before the SEP can be used toward experience.

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Table 2: NDT Qualification Pre-requisite

NDT Qualification			Experience Pre-requisite in Days					
Method	Technique	Limited	Level 1	Level 2		Level 3		
				With Level 1	Direct Access	With Level 2	Diploma or Higher Degree in Science, Engineering or Technology	
							With Level 2	Direct Access
AT			45	135	180	450	270	540
		ODA	NA	68 ⁽¹⁾	90	NA	NA	NA
ET			45	135	180	450	270	540
	ECT		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
	RFET		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
	ACFM		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
LT			45	135	180	450	270	540
	LTG		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
	LTB		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
MT			15	45	60	240	180	360
	MFLP		15 ⁽¹⁾	15 ⁽²⁾	15 ⁽²⁾	60 ⁽³⁾	45 ⁽³⁾	90 ⁽³⁾
	MFLT		15 ⁽¹⁾	15 ⁽²⁾	15 ⁽²⁾	60 ⁽³⁾	45 ⁽³⁾	90 ⁽³⁾
PT			15	45	60	240	180	360
RT			45	135	180	450	270	540
	RTD		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
		RTFI	NA	68 ⁽¹⁾	90	NA	NA	NA
		RTFD	NA	17 ⁽⁴⁾	23 ⁽⁴⁾	NA	NA	NA
ST			15	45	60	240	180	360
TT			45	135	180	450	270	540
UT			45	135	180	450	270	540
	TOFD		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
	PAUT		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
	IRIS		15 ⁽¹⁾	34 ⁽²⁾	45 ⁽²⁾	113 ⁽³⁾	68 ⁽³⁾	135 ⁽³⁾
		UTLC	NA	68 ⁽¹⁾	90	NA	NA	NA
		UTTM	NA	68 ⁽¹⁾	90	NA	NA	NA
		UTBC	NA	68 ⁽¹⁾	90	NA	NA	NA
VT			15	45	60	240	180	360

NOTE:

- (1) With additional pre-requisite in base method Level 1.
- (2) With additional pre-requisite in base method Level 2.
- (3) With additional pre-requisite in base method Level 3.
- (4) With additional pre-requisite in RTFI Level 2.

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2.0 INDUSTRIAL EXPERIENCE

2.1 For all NDT levels, the experience requirements specified in Section 2.0 (see Pre-requisite) may be acquired after passing the examination. Examination results will remain valid for a period of five (5) years from the date of the exam.

2.2 Documentary evidence of the required experience must be verified by the employer and submitted to RSA.

3.0 VISION REQUIREMENTS

3.1 Requirements

Applicants must provide documentary evidence of satisfactory vision in accordance with the requirements outlined in Sections 3.2 through 3.4 below.

3.2 Administration

Vision examinations shall be conducted by a licensed physician, nurse, ophthalmologist, or optometrist. Alternatively, they may be performed by another trained professional who has been approved and documented by NDT Level 3 personnel on behalf of the employer. Near-vision acuity tests are required at the time of initial certification and subsequent annually, with results verified by the employer.

3.3 Near-Vision Acuity

The examination must confirm that the applicant has natural or corrected near-vision acuity in at least one eye, sufficient to read Jaeger Number 1, Times Roman N4.5, or equivalent letters (with a height of 1.6 mm) at a distance not less than 30 cm.

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3.4 Colour Contrast Differentiation

The examination shall demonstrate the applicant's ability to distinguish and differentiate colours or shades of grey relevant to the method, as specified by the employer. The colour vision test must confirm that the applicant has acceptable colour vision without restriction or clearly state any limitations in colour perception.