



General Guidelines for the NDT Qualification & Certification Program

This procedure is based on the minimum requirements and recommendations of "SNT-TC-1A, 2011 Edition", developed by The American Society for Nondestructive Testing, Inc. (ASNT). The training course outlines which are used as the technical source material are in accordance with the "Topical Outlines for Qualification of Nondestructive Testing Personnel-ANSI/ASNT CP-105: 2011". The NDT Training Center (NDTTC) at Jubail Industrial College (JIC) acts as a paid outside agency at the option of the employer to provide NDT Level III services (training & certification). The core responsibility of certification of the concerned employees should be retained by the employer.

Requirements & Outlines:

Candidates for certification in NDT should have sufficient **Education, Training, and Experience** to ensure qualification in those NDT methods in which they are being considered for certification.

1. Candidate should submit the **minimum Experience Requirements** applicable to the method.

2. Candidate should submit the **Vision Examinations Certificate** from his employer/Doctor, including the Near-Vision Acuity & Color Contrast Differentiation:

- *Near-Vision Acuity :*

Natural or corrected near distance acuity, at least for one eye, and should be able to read a minimum of J2 chart from a distance not less than 12 inches (30.5 cm) on a standard Jaeger test chart.

- *Color Contrast Differentiation:*

To demonstrate the capability of distinguishing & differentiating contrast among colors or shades of gray used in the method.

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3. **Education background** is not mandatory, as per the SNT-TC-1A: 2011, but high school can be set as a recommended level.
4. For direct NDT Level II qualification with no time at Level I, the Experience Requirements (both Method & Total NDT) should be the sum of the hours for both Level I & Level II. The same principle applies for Training as well.
5. If the candidate fails to provide the experience proof, he will be admitted to the course and be eligible to receive "Attendance Certificate" only at the conclusion of the training.
6. Candidate who succeeds to pass the assigned examinations; General, Specific & Practical, and attains the required grades, will be granted "Certificate of Proficiency" as a recognition of his technical performance.
7. Training programs will be conducted with minimum number of (5) participants.



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NDT Method	Level of Qualification	Minimum Experience Hours in Method	Minimum Experience Hours in NDT	JIC Training Hours (Days)	Fees * (SAR)
Liquid Penetrant Testing (PT)	I	70	130	35 (5)	3,600.25
	II	140	270	35 (5)	3,600.25
Magnetic Particle Testing (MT)	I	70	130	35 (5)	3,600.25
	II	210	400	35 (5)	3,600.25
Visual Testing (VT)	I	70	130	35 (5)	3,600.25
	II	140	270	35 (5)	3,600.25
Ultrasonic Testing (UT)	I	210	400	40 (5)	3,761.00
	II	630	1200	80 (10)	6,162.00
Eddy Current Testing (ET)	I	210	400	40 (5)	3,761.00
	II	630	1200	80 (10)	6,162.00
Radiographic Film Interpretation (RTFI)	II	220 in (RT) & practical review of minimum 1000 radiographs.	N/A	40 (5)	3,761.00

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Advanced NDT Method	Level of Qualification	Prerequisite	Minimum Experience Hours in Method	Training Hours (Days)	Fees (SAR) *
Phased Array Ultrasonic Testing (PAUT)	II	UT Level II	160	80 (10)	15,727.00
Time Of Flight Diffraction (TOFD)	II	UT Level II	160	80 (10)	15,727.00

* Course materials, literatures, lunch and refreshment are included in the course fees.

Fees in Saudi Riyals shall be made in favor of: Jubail Industrial College (JIC)

Account Number : 065 211 28000 104

Bank Name : Al-Ahli Bank Jubail Branch

Account Name : Special Program

IBAN Number : SA 231 000 000 652 112 800 0104

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- Out-of-certification scope, customized training courses can be conducted upon customer's interest and desire, which include:

Course Title	Training Hours (Days)
Introduction to NDT	35 (5)
Heat Exchanger Tube Scanning	80 (10)
Introduction to Advanced NDT (PAUT & TOFD)	35 (5)
Basic Welding for Plant Inspectors	80 (10)
Failure Analysis: Principles	40 (5)
Failure Analysis: Prevention	40 (5)

ATTACHMENTS:

- ✓ Registration Form
- ✓ Vision Check Form
- ✓ Training Feedback Form (to be filled at the end of course)