

PCN Level III Training and Examination Package

Eligibility:

Candidates shall meet the prerequisite required for qualification. Each candidate shall fulfil the minimum requirements of vision and training prior to the qualification examination and shall fulfil the minimum requirements for Industrial experience prior to certification.

Training:

Table 1: Minimum required durations of training

NDT Method	Hours		
	Level I	Level II	Level III
UT	40	80	40
MT	16	24	32
PT	16	24	24
PAUT	40	80	80
TOFD	40	80	80
Basic Knowledge	(direct access to Level 3 examination parts A, B and C)		80

Note 1: Direct access to Level 3 requires the total hours shown in Table 1 for Levels I, II and III.

Note 2: For candidates who have graduated in a relevant subject from technical college or university, or have completed at least two years of relevant engineering or science study at college or university, the total required number of training hours may be reduced by up to 50%

Pre-Certification Experience

Industrial NDT experience in the applicable method and in the appropriate sector may be acquired either prior to or following success in the qualification examination. In the event that a false statement is made concerning pre-certification experience, any certification awarded as a result will be null and void.

Table 2: Minimum Duration of Experience for Level III

NDT Method	Experience (months)*
UT	30 months
MT	16 months
PT	16 months
PAUT	6 Months**
TOFD	6 Months**
<p>* Work experience in months is based on a nominal 40hours per week, If any individual working in excessof 40h per week may be credited with experience based on the total hours, but shall be required to producedocumentary evidence of this experience.</p> <p>** Candidate has to have a Valid Level 3 certification in UT and has to meet the experience requirements of UT</p>	

Note 1: This is applicable for candidates who have successfully completed a technical school or at least two years of engineering or science study at an accredited college or university. If this is not the case, the duration has to be multiplied by a factor of 2.

Note 2: Credit for work experience may be gained simultaneously in two or more of the NDT methods covered by this International Standard, with the reduction of total required experience as follows:

- two testing methods - reduction of total required time by 25%
- three testing methods - reduction of total required time by 33%
- four or more testing methods - reduction of total time by 50%

In all cases, the candidates shall be required to show that for each of the testing methods which he seeks certification, he has a minimum of 50% of the time required in the above table.

Examination requirements for Level III

Practical Examination

1. All candidates for level III certification in any NDT method shall have successfully completed (with a grade of 70%) the practical examination for level 2 in the relevant sector and method except for the drafting of NDT instructions for level 1.

2. A Candidate who is level 2 in the same product sector or has successfully passed a level 2 practical examination for the NDT method in an industrial sector (e.g. Aerospace) in which the product is commonly tested (e.g. casting and wrought products) is exempt from passing again the level 2 practical examination. This exemption is only valid for the product sectors covered by the industrial sector concerned and, in any other circumstances, the relevant sector is the sector in which the candidate seeks level III certification.

3. Candidates holding valid ASNT Level III/ACCP Level III shall complete the requirements of Practical Examination for level 2 as mentioned in clause 1 above.

Basic Examination:

Basic examination is divided into three sections

Part	Examination	Number of Questions
A	Technical knowledge in material science and process technology	30
B	Knowledge of the certification body's qualification and certification system	10
C	General Knowledge of at least four methods as required for level 2 and chosen by the candidate from the methods RT,UT,MT,PT,VT which shall include at least one volumetric method (UT or RT) :15 for each method	60

Note 1: Candidates holding valid ASNT Level III / ACCP Level III, are exempted from Part A & Part C for Basic examination, & shall appear for Part B examination.

Main Method Examination:

Main method examination is divided into three sections

Part	Examination	Number of Questions
D	Level 3 knowledge relating to the test method applied	30
E	Application of NDT method in the sector concerned, including the applicable codes, standards and specification. Part of the examination covering codes, standards and specifications are open book examination	20
F	Drafting of one or more NDT procedures in the relevant sector. The applicable codes, standards and specifications shall be available to the candidate. For a candidate who has already drafted an NDT procedure in a successfully passed level 3 examination, the certification body may replace the drafting of a procedure with the critical analysis of an existing NDT procedure covering the relevant method and sector, and containing errors and / or omissions	

Note 1: Candidates holding valid ASNT Level III / ACCP Level III are exempted from Part D on the method concerned. Exemptions has to be obtained from BINDT.

For all Parts of examination, the candidate shall obtain a minimum grade of 70% and composite of 80% overall.

TRAINING FEE STRUCTURE FOR PCN LEVEL 3 (ISO 9712)

Method: PCN Level III (Ultrasonic Testing / Magnetic Particle Testing / Liquid Penetrant Testing)

Sector: Welds

Course Ref.	Name of the Training Course	Course Duration	Course Fee
L3B	<u>Level 3 Basic Training</u>	5 days	25000
	a. Materials Technology and science, including typical defects in a wide range of products including welds, castings and wrought products b. Qualification and certification procedure in accordance with ISO9712 requirements c. Paper covering 4 NDT Methods chosen by the candidate, including atleast one volumetric method (UT or RT)		
L3M	<u>Level 3 Main Method Examination</u>	5 days	40000
	a. Level 3 knowledge relating to the test method applied b. Application of the NDT method in the sector concerned, including the applicable codes, standards, and specifications. c. Drafting one or more NDT procedures in the relevant sector.		

Method: Level III (Phased Array Ultrasonic Testing / Time of Flight Diffraction UT)

Course Ref.	Name of the Training Course	Course Duration	Course Fee
L3AUT	a. Sector specific theory training covering UTPA / TOFD d. Training covering the aspects to be covered in the PAUT / TOFD procedures preparation for a specific configuration in the relevant sector.	5 days	50000

EXAMINATION FEE STRUCTURE FOR PCN LEVEL 3 (ISO 9712)

Method: PCN (Ultrasonic Testing/Magnetic Particle Testing/Liquid Penetrant Testing)

Method of Examination	Initial Test
Full Basic Examination	35000
Main Method Examination (without Practicals)	48000
Main Method Examination (with Practicals)*	70000

(*those who doesn't possess valid PCN Level II certification)

Method: Phased Array Ultrasonic Testing / Time of Flight Diffraction UT

Method of Examination	Initial Test
Level 3 Examination Fee	80000

General:

1. All sessions will be conducted in fully air-conditioned and well equipped class rooms.
2. Practical training will be conducted in well ventilated and well lit rooms.
3. Lunch / Tea Breaks will be provided for the training candidates
4. Candidates will be supplied with a set of course notes and a set of working reference standards /documents for their guidance in preparation for the Examination.
5. For ultrasonic testing practical training students are encouraged to bring their own Ultrasonic FlawDetectors and probes / cables. We will provide the required calibration blocks.

Contact us

For Training & Examination Schedule,

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