



# ISO 9712 Level 1, 2 & 3 INFORMATION PACKAGE



**Greetings from**  
**WENS Quality Assurance (HK) Limited**



## WENS QUALITY ASSURANCE (HK) Limited

Dear Candidates / Supervisors/ Managers,

WENS Quality Assurance (HK) Limited welcomes you to our versatile Qualification program for NDT Personnel at Level 1, 2 & 3 which conforms to SGNDT Scheme that is based on ISO 9712.

We are proud to announce that we were one of the earliest institutes to deliver the examination in compliance with EN ISO 9712:2021.

Certification system in non-destructive testing according to SGNDT Scheme is the most spread system of personnel qualification and certification for those who perform non-destructive testing (NDT) in industry.

With the overwhelming spreading of NDT certification issued by various employers, Our NDTSS PROGRAM IS STRIVING TO BRING OUT THE WIDELY ACCEPTED QUALIFICATION AT AN AFFORDABLE COST.

We are glad to provide you with more detailed information about the Qualification & Certification in this package. Please don't hesitate to contact us for any further enquiry:

### **WENS Quality Assurance (HK) Limited**

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Integrity and Commitment is our Strength. Your bright future is our concern.

Yours Sincerely,

**Dr. P.R. Nair**  
**Training Director**



## **1. Introduction:**

Candidates wish to apply for NDTSS shall meet the prerequisite required for qualification. Each candidate shall fill relevant examination form & shall get endorsement for his practical experience, He /She shall undergo visual examination administered by Registered practitioner/Level 3 and shall be done annually in standard format provided by the examination center.

## **2. Pre-Certification Experience**

Industrial NDT experience in the applicable method and field of application, which leads to the acquisition by an NDTSS candidate of the required skill and knowledge, is to be gained and recorded prior to the award of certification by this program. In the event that a false statement is made concerning pre-certification experience, any certification awarded as a result will be null and void.

## **3. Level 1 and Level 2**

The applicant is required to have had a period of experience relevant to the certification sought in addition to any experience gained during training courses, such as practical training time. The applicant is required to produce evidence of experience and to complete the “Record of NDT Experience” on the application form. The experience requirements for the relevant methods and levels of certification are given in ISO 9712.

## **4. Level 3**

Level 3 responsibilities require knowledge beyond the technical scope of any specific NDT method. This broad knowledge may be acquired through a variety of combinations of education, training and experience. The table below details minimum experience 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.

## **5. Possible reductions**

The possible reductions in duration of experience are as described hereafter, provided that, when several reductions are applicable, the total reduction does not exceed 50 % of the experience duration. Any reduction shall require acceptance by the NDTSS.

Required Experience: Level 1, 2 and 3

The candidate shall have had regular practical experience in the application of the NDT method and this will include a specified period of recorded practical work on site or in works under certified supervision.



Table 1: Minimum Industrial Experience

NDT METHOD	EXPERIENCE IN DAYS					
	LEVEL 1	LEVEL 2		LEVEL 3		
		With level 1	Direct Access	Higher education with level2	Grammar School With level 2	Direct access with higher education
ET, RT, UT,	45	135	180	270	450	540
PAUT, TOFD	+15	+30	+45	+70	150	+150
MT, PT, VT,	15	45	60	180	240	360

NOTE: a One-day duration is at least seven hours, which can be achieved on a single day or by accumulating hours. The maximum allowable hours in any one day is 12 hours. Experience in days is achieved by dividing the total accumulated hours by 7. If the experience record is issued in months, 20 workdays per month will be recognized

Note 1: When the candidate is seeking certification in more than one method, the total time of experience shall be the sum of the experience in each method

Note 2: Experience at level 2 includes the number of days at Level 1 in addition to Level 2 & Level 3 includes the number of days at Level 2 and Level 1 in addition to Level 3.

Note 3: A certified Level 1, 2 or 3 adding an additional method may be permitted a reduction of required experience of 25 % for that additional method.

Note 4: A certified Level 1, 2 or 3 individual changing sectors, adding another sector or technique for the same NDT method shall be required to gain additional experience of at least 25 % of the experience required in Table 1; and this shall never be less than 15 days in duration.

Note 5: When the certification sought is limited to UT Lamination testing / Ultrasonic Thickness Testing / Radiography Interpretation, experience duration may be reduced by up to 50 % but shall not be less than 15 days.

Note 6: Up to 50 % of the industrial experience time may be achieved by a structured experience program (SEP). One day of attendance at the SEP may be equivalent to a maximum of five days industrial experience. The SEP shall include all typical tasks of the level, method and sector concerned. The additional intent is to gain specific product and technique knowledge. The SEP shall be approved in advance by the certification body and shall be available for audit by the certification body.

In all cases the candidate shall be required to show that for each of the testing methods for which he seeks certification, he has at least of the time required in Table 1.

## 6. PRE-CERTIFICATION EMPLOYMENT, ON-THE-JOB TRAINING & EXPERIENCE

On-the-job training in the applicable NDT method and field of application can be carried out to supplement classroom and practical training covered under this SGNDDT scheme. Personnel gaining experience to meet the NDTSS requirement for certification must do so under the supervision of appropriately qualified personnel. Such training and experience must be documented and authenticated.



Trainings Level 1, 2 and 3

To be eligible for Level 1, 2 and 3 examinations, candidates must have successfully completed, prior to making application for examination, an NDTSS validated training course, which covers the relevant syllabus (e.g. ISO/TR 25107).

Minimum Training Duration is listed as below:

<b>NDT method</b>	<b>Level 1 Days a</b>	<b>Level 2 Days a</b>	<b>Level 3 Days a</b>
ET	5	6	6
MT	3	2	4
PT	3	2	3
RT <sup>b</sup>	5	10	5
RT - FI	-	8	-
UT	8	10	5
VT	3	2	3
PAUT	5	5	5
TOFD	5	5	5

Note 1: Direct Access to Level 2 or Level 3 would require total training days including of Level 1, Level 2 as applicable.

Note 2: Training hour for UT Lamination testing / Ultrasonic Thickness Testing will be reduced to 50%

Note 3: A prerequisite for Ultrasonic Testing Phased Array or Ultrasonic Testing TOFD Level 2 is Ultrasonic Testing level 2 (ISO9712). A prerequisite for Ultrasonic Testing Phased Array or Ultrasonic Testing TOFD Level 3 is Ultrasonic Testing level 3 (ISO9712).

Note 4: Personnel certified to ASNT Level 2 /SNT TC 1A Level 2 / Nationally recognized Level 2 may be accepted for reduction in training hours as documented in the certificate.

Note 5: Candidates with the basic qualification of Diploma in Engineering / Bachelor of Science (Minimum 2 years of study) / Bachelor of Engineering (Minimum 2 years of study) shall be eligible for 50% reduction in total Training hours

Note 6: Candidate's meeting Note 5, shall attend only Supplementary course for the method.

Note 7: Candidates qualified with M Tech NDT need to take Level 2 Practical Refresher training & standards training covering the specific areas of the sectors & Basic (ISO9712) training course.

Note 8: Supplementary examination for configurations in weld sectors for valid recognized ISO9712 Level 2 such as PCN Level 2 would require taking specific examination and relevant practical examination for additional specimen.

Note 9: for candidates seeking certification in more than one method (i.e. MT, PT), or for those already certified and seeking certification in another method, when the training syllabus concerned duplicates certain aspects (i.e. product technology), the total number of training days for these methods (i.e. PT, MT, VT) may be reduced in line with the training syllabus;



## 7. Vision Requirements

For all levels of certification, the applicant is required to produce documented evidence from an optometrist, or other competent person, of compliance with ISO9712.

Near vision acuity shall permit reading a minimum of Jaeger number 1 or Times Roman N4.5 letters at not less than 30 cm with one or both eyes, either corrected or uncorrected.

Color vision shall be sufficient that the candidate can distinguish and differentiate contrast between the colors used in the NDT method concerned as specified by the employer.

*NOTE: Subsequent to certification, documented tests of visual acuity should be carried out at least every twelve months.*

## 8. In house Rules:

WENS Quality Assurance (HK) Limited center will provide all necessary NDT equipment's for use in Training. Candidates may bring in their own equipment as well.

All necessary reference standards will be provided by the examination centers. Candidates must not be in possession of any reference documentation, other than that provided by the examiner, during the examination.

The use of a non-audible pocket calculator is permissible in examinations provided that it is of a type that does not permanently store programs, formulae or data relevant to NDT.

Translation dictionaries other than electronic type are permitted to use during examinations.

## 9. Provisions:

Candidates will receive Course Notes, handouts and learning equipment upon arrival. Candidates will be briefed about safety equipment / emergency exits upon arrival.

## 10. Safety and precautions:

Before you can use equipment and machines or attempt practical work in the practical room, you must understand basic safety rules. These rules will help keep you and others safe.

- Do not enter Practical room/specimen room/Examiner area without permission.
- Keep the practical room clean and tidy at all times.
- Trainees with any health problems that may affect workplace safety (e.g. medication, epileptic fits) must report these conditions to the training staff
- No food or drink in the practical/training room.
- Always seek instructions before using an unfamiliar piece of equipment
- Only use tools and machines for their intended purpose.
- Never distract the attention of another member while that member is operating equipment.
- Wear the correct protective equipment

- Long hair needs to be restrained by either a tie or a hat.
- Wear protective and strong shoes in the practical room. Slippers/sandals are not suitable.
- Remove rings and loose jewelry before operating machinery they can be a hazard.
- Bags should not be brought into the practical room as people can trip over them.
- Always listen carefully to the trainer and follow instructions. Ask questions, especially if you do not fully understand.
- Know where the exit points/assembly points/eye-wash station and first aid supplies are located in case of an emergency (briefing will be given before the start of training).
- Report any damage to machines/equipment as this could cause an accident.

## **11. Safety PPE (Personal Protective Equipment)**

- The candidates are requested to bring their own work wears, Protective footwear as deemed necessary for practical parts of the course.

## **12. Schedule and Fee Structure**

The fee structure will be sent on request to the candidate. Once the course is confirmed, an invoice will be issued to the candidate so that the payment can be made either through Online Banking/Cheque before the course starts.

A course schedule and timing will be sent to the candidate upon receiving the payment.

For further information such as course schedules and fee structure,

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