

PHASED ARRAY ULTRASONIC TESTING LEVEL II

(IN ACCORDANCE WITH SNT-TC-1A)

SSTC	11.09.2017 – 23.09.2017
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About the course: This course is designed to provide the participants, a better understanding about theory and application of phased array ultrasonic testing, to train them and qualify them as phased array ultrasonic testing Level II. Successful candidate will be able to set up, calibrate the equipment, perform the test, interpret and evaluate the results as per applicable procedure or codes and standards. The candidate will be trained to organize and report the testing results using phased array ultrasonic testing technique.

Qualification: Diploma or Degree with physics and maths as a part of their curriculum is preferred.

Experience requirements: Minimum work experience of 6 months as Level II in Ultrasonic testing is a mandatory requirement to appear for examination and certification.

Vision requirements: Candidate shall have normal or corrected near vision of Jaeger (J2) or equivalent and shall not have color blindness (Checked using Ishihara Chart).

Last date for registration: One week prior to the commencement of the course (subject to availability)

Course content:

- ❖ Basic concepts and theory of PAUT
- ❖ Equipment, probes, wedges and scanner
- ❖ Developing a scanning technique
- ❖ Focal law generation, single and multiple group
- ❖ Digitization principles
- ❖ Testing techniques and various display
- ❖ Equipment calibration and standardization of set up
- ❖ Data acquisition and analysis
- ❖ Report generation
- ❖ Written instruction, procedure, codes and standards

Examination and validity: At the end of the training program, the participants are required to undergo examination which consist of specific and practical examination. Candidate has to obtain a minimum of 70% in each examination and an aggregate of 80% to get certified as PAUT level II. The successful candidates will be awarded a certificate based on which the employer can certify the individual as PAUT level II. This certificate is valid for 5 years from the date of certification. The certificate has to be renewed before expiry with one month prior notice.

Documents to be submitted for registration:

1. Application for course enrolment
2. Copy of proof of educational qualification
3. Employer certificate fulfilling the experience requirements in ultrasonic testing
4. A letter addressed to the program officer requesting WRI to train the candidate as per ASNT-SNT-TC-1A.
5. Medical certificate as a proof for vision requirements, which has to be certified by a registered medical practitioner

Note:

1. WRI reserves the right to disqualify the participants from certification program when the personnel is found to have color blindness.
2. Participants are requested to bring a scientific calculator for their use during the programme.