One Step Forward!

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Ultrasonic Testing Level – 2

As per SNT-TC-1A of ASNT

Non-Destructive Testing

For engineers and Tech graduates, a great start-up in inspection of static equipment through ASNT aligned training programs. Get international recognition with expertise in inspection. This career path Leads to Level – 3.

ASNT Corporate Partner

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UT Level - 2

Who shall attend?

BS/ B.tech, tenured technicians with DAE having 12 months experience in inspection of static equipment. This course with certification leads to Level-3 of ASNT and meanwhile helps participants to grow in supervisory roles in inspection engineering.

Before appearing in Exam:

Participants with 12 months experience must attend minimum of 40 hours of training under the guidelines of SNT-TC-1A of ASNT covering, theoretical and practical training. ATDP offers 45 hours of intensive training before assessment.

Course Coverage

i. Review of Level I course ii. Calibration Blocks/ Range Calibration iii. Ultrasonic Straight Beam Technique UT II-Weld. iv. Ultrasonic Angle-Beam Examination as per ASME Sec V, Article 4. v. Ultrasonic Angle-Beam Examination. vi. Immersion Testing. vii. Ultrasonic Testing Written Procedure. viii. Reflection/ Resonance	ix. Immersion Techniques. x. Principles of DGS / DAC Methods. xi. Echo dynamics for Reflector Evaluation. xii. Codes, standards and Procedures. xiii. Acceptance Standards. xiv. Evaluation of Test Equipment. xv. Examination. a. Theoretical (General & Specific). b. Practical

Examination:

Each candidate must successfully pass a 50 question, multiple-choice examination that evaluates the candidate's knowledge of the topic. Candidates have three hours to complete the closed-book examination. Candidate must pass the practical test on the specifications as per guidelines of ASNT. An aggregate score of 80% is required to pass the examination and achieve certification.

Ultrasonic Testing - Level II, Classroom NDT training course is developed to meet the requirements of ASNT SNT-TC-1A, CP -189 and other equivalent standards and customer specific written practice. Ultrasonic is a high frequency of sound pulses that are emitted from a transducer above a sample. Ultrasonic inspection (UT) is a non-destructive test method that utilizes sound waves to detect cracks and defects in parts and materials. The sound waves propagate through the sample, and reflect at interfaces. The reflected waves are monitored using a detector above the sample. The thickness of the sample, and the depth and type of flaw can be ascertained using this method. The method can be applied to most materials if sound transmission is good. Quick high sensitive results are obtained.

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Certification – Recognition

ASNT is the highest reputed global organization dedicated for research and setting standards in inspection on all methods under its umbrella. The SNT-TC-1A standard allows working for the company under which written practices the training & exam is organized. However, after completing the required experience all certified inspectors can appear in Level – 3 certification exam of respective method. The course is intended to provide detailed instruction in theory and practice such that the trainee shall be able to identify suitability of UT for material and inspection procedure, Develop Inspection Techniques and procedure that shall be followed & Analyze, Interpret and Evaluate the Test Results.

Training Terms and Conditions

i. Each training session is limited to a maximum number of individual attendees.
ii. Training fee including tax is payable before closing time of registration date.
iii. ATDP will provide all training requirements for in-house sessions (i.e. For onsite sessions client will be responsible for these provisions.
iv. If you need to cancel a course or change the date or location of the course you must inform us in writing 20 business days prior to training, otherwise 50% of training fee will be payable.

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