



NDT Spot, Inc.

3730 Kirby Dr
Suite 1200
Houston, Texas 77098

Phone: (713) 335-5512
Email: info@ndtspot.com

TRAINING DESCRIPTION

Phased Array / True-to-Geometry / Multiple skips

Corrosion Applications

(Level I + II) Code: PACOM

1. Content of the course:

- Isonic's technology description
- Basic Isonic 3510 operation.
- General set up of the Isonic 3510.
- General procedure description. From probe selection to scanning and report.
- Criteria for Application Software selection.
- Probe and wedge's files management and Probe Check procedure.
- Ultrasonic and phased array parameters set up.
- Building the DAC/TCG curve.
- Recommended Calibration Blocks.
- Calibration procedure for:

SRUT Conventional probe. Flat, CU and CUC curvature.

SRUT PA Probe. Flat, CU and CUC curvature.

A-Ring Expert Application Software. (Tank floor critical zone)

Multiple Skips CU Scan. (Corrosion under pipe support)

CU Expert Application Software. Multiple Skip CUC Scan (Corrosion under Pipe support)

FFC Expert Application Software.

- Scan Plan: AGC; geometry coverage (True-to-Geometry set up); coupling monitoring set up.

A-Ring Expert Application Software. (Tank floor critical zone)

Multiple Skips CU Scan. (Corrosion under pipe support)

CU Expert Application Software. Multiple Skip CUC Scan (Corrosion under Pipe support)

FFC Expert Application Software.

- True-to-Geometry performance verification.

A-Ring Expert Application Software. (Tank floor critical zone)

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FFC Expert Application Software.

- True – to Geometry scan Sep up.

A-Ring Expert Application Software. (Tank floor critical zone)

Multiple Skips CU Scan. (Corrosion under pipe support)

CU Expert Application Software. Multiple Skip CUC Scan (Corrosion under Pipe support)

FFC Expert Application Software.

- Inspection Scan.

Multi-A Scan Application software.

A-Ring Expert Application Software. (Tank floor critical zone)

Multiple Skips CU Scan. (Corrosion under pipe support)

CU Expert Application Software. Multiple Skip CUC Scan (Corrosion under Pipe support)

FFC Expert Application Software.

- Postprocessing and reporting.

Multi-A Scan Application software.

A-Ring Expert Application Software. (Tank floor critical zone)

Multiple Skips CU Scan. (Corrosion under pipe support)

CU Expert Application Software. Multiple Skip CUC Scan (Corrosion under Pipe support)

FFC Expert Application Software.

2. Duration: 32 Hours

3. The students must meet the following previous training requirements:

- UT Level II (Conventional Shear wave).
- 40-hour Phased Array training.

4. Course includes:

- Course Manual.
- Equipment, probes, Wedges, and blocks for hand on activities.

5. Class Capacity:

- Due COVID 19 contingency capacity is limited to 6 persons.



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- 3 people without equipment (NDT Spot will supply the equipment)
- 3 people bringing at least the Isonic 3510 or Isonic 2010. The technician who brings his own unit will receive a 20% discount.