



Guided Wave Analysis LLC

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MsS Guided Wave Refresher Course

This refresh course is for level 1 and 2 inspectors using MsS system for guided wave field testing. As shown in the attached PDF file, the GIM (Guided wave Inspection and Monitoring) 5.0 software was upgraded with new Matlab 2023b version. The upgraded version has added with report section for inserting Visual testing, UT image, pictures, and grouping the PDF files of table, plots, UT signals, picture, and other reference files. Because of the runtime engine change of the Matlab software, we recommend bringing the data acquisition laptop for installing the upgraded software during the refresh course. The 2-day refresh course will present the followings:

- 1) Comparison between ultrasonic testing and guided wave testing (GWT)
- 2) Comparison among guided wave testing systems
- 3) Reporting of defect size with operation of multiple center frequencies
- 4) Operation of the upgraded GIM software for generating inspection report
- 5) Practice of guided wave monitoring and its software operation
- 6) Principle of guided wave testing on plate
- 7) Practice of guided wave testing on plate and software operation
- 8) Guided wave testing on other structures
- 9) Answering questions on field testing problems with guided wave testing method

The guided wave testing method is large coverage ultrasonic testing method that proves its inspection by showing the ultrasonic signal and background noise level at each small section of long-range data so that any UT inspector can examine the test result.

Where: Guided Wave Analysis LLC

Training cost: \$1,000.00 per person (minimum 4 people required for course to make)

Instructor: Sang Kim at Guided Wave Analysis LLC. He is Level III in guided wave testing and ASNT NDT Level III in UT and ET. He has been researching and developing the technology for last 25 years, training inspectors or operators in inspection companies, consulting companies using MsS guided wave systems, and inspecting pipeline, boiler tube, bridge cable, anchor rod, stub angle, HX tube, and plate in facility using MsS system.

Registration: Registration form can be obtained through an email. It should be requested to hk@gwanalysis.com. Registration will be accepted until one business day prior to the training.

Cancellation: Guided Wave Analysis LLC makes the decision to offer each course based on advanced registration. We reserve the right to cancel the course if there is insufficient enrollment.

Refunds: Guided Wave Analysis LLC will refund the course fee for the cancelled course.