MECHANICAL JOINT INTEGRITY - MJI19 HYDRAULIC TORQUED BOLTED CONNECTIONS

COURSE CONTENT

AIM

To focus delegates on Mechanical Joint Integrity and the adoption of best practice in ensuring a leak-free 'right first time' joint using hydraulically torqued bolted connection techniques.

Pre-Requisite

Basic working knowledge of the principles and practice of piping/flanged systems would be advantageous but is not essential.

Course Duration

1 day.

Maximum Number

4 persons.

Training Aids

Lecture notes, audio/visual presentations, examples of tools, flanges, gaskets, bolts and interactive practical demonstrations.

Assessment

Practical exercises and a written test.

Certification

On successful completion of the course, candidates will receive an ECITB Certificate in Mechanical Joint Integrity Hydraulically Torqued Bolted Connection Techniques (MJI 19).

Additional Information

Meeting the needs and expectations of service users is of the highest priority to our staff. Therefore if you have any concerns or wish to make a comment about the service please contact: i**nfo@NETA.co.uk**

www.neta.co.uk
info@neta.co.uk
Tel: 01642 616 936

COURSE OBJECTIVES

On successful completion of Hydraulically Torqued Bolted Connection Techniques, delegates will be able to:

- Explain how to ensure intended task confirms to intended specifications, methods, process, techniques and procedures
- Dismantle hydraulically torqued bolted connection systems
- Remove components from hydraulically torqued bolted connection systems
- Replace components in hydraulically torqued bolted connection systems
- Assemble and secure hydraulically torqued bolted connections
- Verify the integrity of the assembled joint

COURSE SYLLABUS

- Health and Safety in Bolted Assembly/Disassembly
- Principles of Bolting
- Principles of Flanges
- Principles of Mechanical Seals
- Principles of Torque Tightening
- Flange joint assembly techniques
- Bolted joint assembly using Hydraulic Torque Equipment
- Principles of Hub and Clamp Pipe Connections

Course Options

- **Stage 1** – MJI 10, 18 & 19 Training (In Centre Training)
- **Stage 2** – Work Place Practice (Consolidation period of 3 to 12 months to complete Work Based Task Assignment)
- **Stage 3** – Technical Tests (formal assessment of knowledge, skills and ability.)

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CSM: 09/20