



FOR IMMEDIATE RELEASE

A NEW COURSE ON THE FUNDAMENTALS OF WELDING ENGINEERING TECHNOLOGY

Date: Aug. 24 to Sept. 4, 2009

Facilitated By: Edison Welding Institute in Columbus, Ohio

The Edison Welding Institute (EWI), Navy Joining Center (NJC) is under contract to develop a 2-week training course covering the fundamentals of welding engineering technology. The course will emphasize the materials, joining technologies, inspection technologies, codes and standards that pertain to Navy applications. This is being developed as a part of the B2PCOE's charter to disseminate best practices.

The course will utilize both classroom training and hands-on demonstrations of welding engineering technology and applicable best practices. Navy specific modules for joining, inspection and codes and standards will be covered.

The initial course is open to prime contractor, subcontractor and Naval personnel who desire to become familiar with welding technologies for Navy applications. The course fee is waived for the initial course and has a few openings still available on a first-come-first-serve basis.

Classroom Training:

- Welding processes
- Basic welding metallurgy
- Heat treatment of weldments
- Welding common materials
- Weldability testing
- Welding design
- Mechanical properties and testing
- Weld defects and discontinuities
- Quality control
- Welding and NDE procedure specification and qualification
- Qualification of welders and welding operators
- Code requirements (ASME, AWS, NAVSEA Technical Publication 248, etc.)
- Welding distortion control
- Welding safety and health

Hand-on demonstrations:

In addition to classroom study, the course will include exercises that allow the students to apply best practices as they obtain hands-on knowledge and experience in welding technology. Demonstrations will include various welding equipment, processes and joint/mockup designs. Weld testing and evaluation will be conducted. Demonstrations will include the use of correct and incorrect machine settings, gas flows, electrodes, and joint fit-ups, as required.

Course Location:

Training will be conducted at the Edison Welding Institute in Columbus, Ohio. The class size for this course can be up to 15 students. All students will be provided with the appropriate course training materials and references. All appropriate safety equipment will be provided

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