



Mechanical Codes & And Standard



Introduction:

Codes and standard can be defined as a set of technical definitions and guidelines that function as instructions for designers, manufacturers, operators, or users of equipment. Depending on the subject, a standard can run from a few pages to hundreds of pages, and is written by professionals in a particular technical field, who serve on a standard developing organization committee.

Standards, not having the force of law, are considered voluntary and serve as guidelines. Standard developing organization publishes standards and codes and accredits users of standards to ensure that they are meeting those standards.

This course will provide participants with a complete and up-to-date overview of the area of mechanical codes and fields of codes developed by standard developing organization. Samples of mechanical codes will be highlighted in this course.

Methodology:

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise
- Videos and General Discussions

Certificate:

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration.

Who Should Attend?

Inspectors, project and maintenance engineers and design and system engineers who are personally responsible for reliability, operation, maintenance and repair of equipment, systems, tanks, vessels, piping and pipelines and pumps and those who are involved in performance testing and commissioning of mechanical equipment.

Course Outline:

Day 1:

- Introduction
- Mechanical Codes
- Mechanical Standard
- Cleanliness Code
- Severity Chart
- Geometric Dimensioning and Tolerancing Codes

Day 2:

- Mechanical Codes and welfare of the community

- Standard general features and definitions
- What is the difference between codes and standards?
- Mechanical Code topics
- Codes & Power generation equipment

Day 3:

- Product stamps
- ASME stamp
- How to apply for ASME "Code" stamp
- Benefits of doing business when holding SDO Authorization
- Performance Test Codes, PTC
- Case Study

Day 4:

- Blowers, Positive Displacement
- Specification
- Ultrasonic Testing (UT) codes
- ASME Section V - Nondestructive Test Methods
- Ultrasonic Thickness Testing, Liquid Penetrant Testing, Magnetic Particle Testing, Radiographic Film Interpretation
- Code Case books
- Code Cases of the ASME Boiler and Pressure Vessel Code
- How ASME Search for codes is sorted

Day 5:

- A Sample of Mechanical Codes
- Cast Iron Pipe Flanges and Flanged Fittings CODE
- ASME B16.1
- A Sample of Mechanical Codes

- Centrifugal Pump- Performance Test Code
- PTC 8.2 – Centrifugal pump