TSS Technical Solutions Services Consulting Software

Inhouse-Seminars 2023

The new Pressure Equipment Directive 2014/68/EU – Implementation in practice

The PED sets out the legally binding safety standards for pressure equipment in the European Economic Area. Only pressure equipment and assemblies meeting the essential requirements and certification and inspection procedures of the PED may be placed on the Community market. The implementation of the PED presumes that manufacturers, distributors and supply chains, third-party bodies and other economic operators as well share a consistent level of knowledge. Furthermore the new PED 2014/68/EU brings significantly extended obligations of the parties involved.

By subcontracting manufacture of equipment and components to subcontractor chains the responsibility and liability risks of the manufacturer will increase. An advanced understanding of the manufacturer's degrees of freedom and the functioning of the PED is therefore needed. As from June 1, 2015 the fluid groups definitions have been aligned to the Regulation (EC) 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP-Regulation), with impact on the assignment of risk-categories and conformity assessment procedures to be applied.

Agenda (proposal for a customized seminar)

- The PED – Basics
  - Scope, definitions: pressure equipment and assemblies
  - Classification into risk-categories, "Sound engineering practice"
  - New definition of fluid-groups: alignment to the CLP-Regulation, impact in practice
  - Conformity assessment: basic approach, procedures, third-party bodies
  - EU-declaration of conformity, CE-marking
  - Manufacturer according to the PED, obligations and liability, "CE-Roadmap"
- Essential safety requirements (by way of example)
  - Hazard and risk analysis, documentation in practice
  - Basics of design and construction
  - Materials: suitability for use, inspection certificates, special requirements for steel
  - Permanent joining: qualification of personnel and procedures
  - Final assessment: final inspection, proof test, inspection of safety devices
  - Labelling, fabrication plate
  - Operating instructions
- Guidelines to the PED
  - Legal status, current state, impact in practice
- Technical specifications
  - Leading harmonized European Standards
  - Adapted national and international codes: AD 2000, ASME
  - Consequences for safe operation, periodic inspection intervals
- Borderline and delimitation issues
  - PED - Machinery Directive 2006/42/EC - ATEX 2014/34/EU
  - Pressure equipment in machinery
- Operation of pressure equipment – what the manufacturer ought to know
  - National legislation on equipment subjected to authorities' surveillance
  - Periodic inspection intervals.

Workshops (by choice)
Classification of equipment and assemblies / Requirements for "Sound engineering practice" / Subcontracting and procurement of components / Determination of hydrostatic test pressure / Prevention of brittle fracture for steel / Impact of fatigue design specifications on inspection intervals.

Trainer: Tiberius Schulz

Inhouse-Seminar: Duration 1-2 days
Topics will be adapted in order to meet the customer's specific training needs. Practice-oriented workshops will be developed on demand. Appointment by agreement.
We offer online seminars and training as well.

Query/Contact

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