MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

PRESSURISED SYSTEMS INTEGRITY – WRITTEN SCHEMES OF EXAMINATION (WSE) WITHIN PSSR -

"Ensuring Compliance, Safety, and Reliability through Effective WSE Implementation under UK PSSR Regulations"

Schedule

Date	Venue	Fees (Face-to-Face)
14 – 18 Dec 2026	London, UK	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

The Pressure Systems Safety Regulations (PSSR) 2000 require owners and users of pressure systems to operate them safely and to maintain integrity through appropriate Written Schemes of Examination (WSE). A robust WSE ensures that systems containing steam, gases, or relevant fluids are systematically inspected and maintained to prevent hazardous failures.

This intensive 5-day training course provides engineering, maintenance, and safety professionals with the knowledge and tools to develop, assess, and manage WSEs in line with regulatory requirements. Participants will learn how to determine inspection intervals, identify safety-critical components, and ensure compliance with PSSR through effective documentation and risk-based practices.

Objectives

By the end of this course, participants will be able to:

- Interpret the requirements of the UK PSSR 2000 and the role of WSE
- Develop and evaluate Written Schemes of Examination for various pressure systems
- Identify key components for inclusion in the WSE and determine inspection scopes
- Apply risk-based approaches to inspection planning and interval setting
- Ensure compliance with safety legislation, integrity standards, and best practices

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Why Attend

- To comply with UK legal requirements for pressure system integrity and safety
- To reduce the risk of catastrophic failure through systematic inspections
- To understand the roles and responsibilities of competent persons under PSSR
- To align WSE procedures with maintenance, HSE, and asset integrity programs
- To gain confidence in preparing and auditing WSE documentation

Target Audience

This program is designed for:

- Plant, mechanical, and facilities engineers
- Maintenance managers and planners
- HSE and compliance officers
- Pressure system owners, users, and duty holders
- Inspection engineers and designated competent persons

Individual Benefits

Key competencies that will be developed include:

- Drafting, reviewing, and maintaining Written Schemes of Examination
- Understanding system design, operating conditions, and risk profiles
- Coordination with Competent Persons and inspection bodies
- Compliance with PSSR and relevant UK and international standards
- Documentation management and regulatory audit readiness

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved safety and reliability of pressure systems
- Full legal compliance with UK PSSR 2000 and related regulations
- Reduced risk of enforcement action or system failure
- Consistent and documented inspection practices across the organization
- Enhanced integration between engineering, safety, and compliance functions

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings: Overview of PSSR, WSE legal obligations, and risk-based frameworks
- Case Studies: Real-world incidents, WSE audit findings, and enforcement outcomes
- Workshops: Drafting and reviewing sample WSEs for different system types
- Peer Exchange: Challenges and solutions in implementing PSSR in industrial settings
- Tools: WSE templates, inspection scope matrices, compliance checklists, and risk ranking models

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Overview of Pressure System Safety Regulations (PSSR)

- Module 1: Introduction to UK PSSR 2000 and Duty Holder Obligations (07:30 – 09:30) • Legal framework and role of HSE in enforcement
- Module 2: Applicability and Scope of PSSR (09:45 – 11:15) • Types of pressure systems, fluids, and exemptions
- Module 3: Workshop – Identifying Systems Requiring WSE (11:30 – 01:00) • Categorizing plant assets and pressure vessels
- Module 4: Competent Persons and Responsibilities (02:00 – 03:30) • Qualification, independence, and scope of work

Day 2: Written Schemes of Examination (WSE) Development

- Module 5: Purpose and Components of a WSE (07:30 – 09:30) • Required contents and legal validation process
- Module 6: Inspection Frequency and Risk Assessment (09:45 – 11:15) • Determining intervals based on system risk and condition
- Module 7: Workshop – Drafting a Sample WSE for a Steam Boiler (11:30 – 01:00) • Pressure relief valves, pipework, vessels, and controls
- Module 8: Integration with Maintenance and HSE Programs (02:00 – 03:30) • Aligning WSE with CMMS and inspection routines

Day 3: Risk-Based Inspection and Assessment

- Module 9: Risk-Based Approaches to Inspection (07:30 – 09:30) • RBI methodology, likelihood vs. consequence models
- Module 10: Inspection Techniques and Non-Destructive Testing (09:45 – 11:15) • UT, RT, MPI, and visual inspections for pressure systems
- Module 11: Workshop – WSE for Compressed Air and Refrigeration Systems (11:30 – 01:00) • Identifying critical parts and pressure boundaries
- Module 12: Managing Documentation and WSE Reviews (02:00 – 03:30) • Recordkeeping, audits, and updates after modifications

Day 4: Compliance and Failure Prevention

- Module 13: Consequences of Non-Compliance and Case Histories (07:30 – 09:30) • Explosions, prosecutions, and enforcement actions
- Module 14: Workshop – Evaluating WSE Gaps in a Sample Facility (09:45 – 11:15) • Identifying missing components and inspection flaws
- Module 15: Emergency Preparedness and Response Plans (11:30 – 01:00) • Procedures linked to pressure-related failures
- Module 16: Aligning WSE with Permit-to-Work and Isolation Practices (02:00 – 03:30) • Integration with site safety management systems

Day 5: Strategy, Improvement, and Certification

- Module 17: Continuous Improvement of WSE Programs (07:30 – 09:30) • Review cycles, KPI tracking, and competency development
- Module 18: Audit Preparation and Regulatory Engagement (09:45 – 11:15) • Demonstrating compliance during inspections and audits
- Module 19: Workshop – Final Group Presentation: WSE Development Plan (11:30 – 01:00) • Applying course content to a real-world scenario
- Module 20: Wrap-Up and Certification (02:00 – 03:30) • Final discussion, feedback, and action planning

Certification

Participants will receive a Certificate of Completion in Pressurised Systems Integrity – Written Schemes of Examination (WSE) within PSSR, confirming their ability to ensure regulatory compliance, asset safety, and integrity through effective WSE development and management.

MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**