MAWA EVENTS

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

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

ISO STANDARDS IN FABRIC MAINTENANCE AND INSPECTION

"Ensuring Structural Integrity and Asset Longevity through Standardized Fabric Maintenance Protocols"

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

Corrosion, surface degradation, and environmental exposure can severely impact the integrity and lifecycle of industrial assets. Fabric maintenance is a critical process that ensures long-term asset protection, especially in industries such as oil & gas, petrochemicals, marine, and infrastructure. This course explores ISO standards relevant to surface preparation, coating systems, inspection, and maintenance planning.

Participants will gain an in-depth understanding of how international ISO standards such as ISO 12944 (coating systems), ISO 8501 (surface preparation), and ISO 4628 (coating degradation) can be practically applied to manage and inspect fabric maintenance systems. The course combines technical training with field-oriented case studies to enhance operational reliability and cost-effectiveness.

Objectives

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

- Understand the scope and applicability of ISO standards in fabric maintenance
- Apply ISO 8501, ISO 12944, and related standards to surface preparation and coating
- Identify degradation mechanisms and inspection techniques
- Design and implement effective inspection and maintenance strategies
- Improve safety, integrity, and lifecycle cost management of coated assets
- Align fabric maintenance programs with industry best practices and compliance norms

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Why Attend

- Gain working knowledge of internationally recognized ISO standards
- Strengthen your fabric maintenance inspection and planning processes
- Reduce maintenance costs and extend the life of critical infrastructure
- Improve coating selection and corrosion prevention practices
- Ensure compliance with regulatory and quality frameworks

Target Audience

This program is designed for:

- Maintenance engineers and managers
- QA/QC inspectors and corrosion technicians
- Asset integrity and reliability professionals
- Coating and painting contractors
- Facility and operations supervisors in industrial environments

Individual Benefits

- Enhanced skills in coating systems, surface preparation, and inspection
- Certification in ISO-compliant fabric maintenance practices
- Increased confidence in identifying and mitigating surface degradation risks
- Practical exposure to inspection tools and performance criteria

Organizational Benefits

- Reduced downtime and corrosion-related failures
- Optimized coating system selection and maintenance schedules
- Compliance with international quality, safety, and integrity standards
- Better planning and budgeting for long-term maintenance programs

Instructional Methodology

- Strategy Briefings – Detailed review of ISO 8501, ISO 12944, ISO 4628, and related standards
- Case Studies – Real-world applications in oil & gas, marine, and infrastructure
- Workshops – Surface preparation evaluations, coating performance assessments, and inspection planning
- Peer Exchange – Field experience sharing and discussion of maintenance challenges
- Tools – Templates for maintenance planning, inspection checklists, degradation rating charts

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Fabric Maintenance and ISO Standards

- Introduction to fabric maintenance and degradation risks
- Overview of ISO standards used in surface preparation and coatings
- Key terminologies, classifications, and maintenance planning concepts

Day 2: Surface Preparation – ISO 8501 and Related Standards

- Surface cleanliness, rust grades, and preparation techniques
- Environmental conditions and surface testing methods
- Tools and abrasive blasting standards

Day 3: Coating Systems and ISO 12944 Application

- Coating categories and corrosivity classifications
- Paint system selection and durability assessment
- Application procedures and environmental compliance

Day 4: Inspection, Degradation, and ISO 4628 Evaluation

- Coating inspection techniques and NDT methods
- Visual assessment and defect rating scales (ISO 4628)
- Inspection documentation and acceptance criteria

Day 5: Planning, Monitoring, and Improvement

- Fabric maintenance programs and lifecycle planning
- Asset integrity integration and digital monitoring tools
- Final workshop: Developing a facility-specific maintenance strategy

Certification

Certificate of Completion – ISO Standards in Fabric Maintenance and Inspection Participants will receive a certificate validating their technical knowledge in implementing and auditing fabric maintenance activities based on ISO 8501, ISO 12944, ISO 4628, and other relevant standards.

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**

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