MAWA EVENTS

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

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

PHYSICAL SECURITY AUDIT: EXAMINES THE PHYSICAL SECURITY MEASURES IN PLACE TO PROTECT IT INFRASTRUCTURE AND DATA CENTERS

"Auditing Critical Infrastructure to Safeguard Assets, Data, and Business Continuity"

Schedule

Date	Venue	Fees (Face-to-Face)
04 – 08 May 2026	London, UK	USD 3495 per delegate

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

Introduction

While cybersecurity threats dominate headlines, physical security breaches remain a critical risk to IT infrastructure, data centers, and operational continuity. Unauthorized access, sabotage, fire, environmental hazards, and insider threats can compromise systems even before a cyberattack occurs.

This expert-level 5-day course empowers auditors, facility managers, and IT professionals with the skills to evaluate the physical security controls protecting high-value infrastructure. Participants will assess risk, audit access controls, evaluate environmental safeguards, and benchmark against standards such as ISO/IEC 27001, NIST SP 800-53, and PCI-DSS. The course blends security principles with real-world audit methodology to deliver a practical, risk-focused learning experience.

Objectives

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

- Plan and execute physical security audits for IT and data center environments
- Evaluate controls related to access, surveillance, intrusion detection, and perimeter security
- Assess risks related to power, fire, water, HVAC, and environmental systems
- Identify compliance gaps based on ISO, NIST, and organizational policies
- Document findings and recommend risk-based physical security improvements

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Why Attend

- Protect critical infrastructure from physical intrusion and environmental threats
- Validate physical controls that support IT security, compliance, and resilience
- Gain expertise in access management, surveillance, and physical threat mitigation
- Learn to identify gaps in security design, response, and governance
- Benchmark facilities against leading global standards and best practices

Target Audience

This program is designed for:

- IT and information systems auditors
- Data center and facility security managers
- Risk, compliance, and corporate security officers
- Physical security professionals in critical industries
- Anyone responsible for assessing infrastructure protection and physical access

Individual Benefits

Key competencies that will be developed include:

- Understanding of physical threat vectors and infrastructure vulnerabilities
- Execution of structured physical security audits
- Assessment of building, access, and environmental security systems
- Evidence gathering, scoring, and audit reporting techniques
- Mapping of physical security risks to IT and business impact

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced physical protection of sensitive assets and systems
- Improved alignment between IT security and physical controls
- Reduced risk of theft, intrusion, sabotage, and environmental loss
- Compliance with industry standards and facility certifications
- Stronger audit and security readiness for data centers and IT infrastructure

Instructional Methodology

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

- Standards Briefings – ISO/IEC 27001, NIST, PCI-DSS physical controls
- Case Studies – Data center breaches and physical security failures
- Audit Walkthroughs – Simulated site evaluations and walkthrough checklists
- Workshops – Facility risk mapping and control effectiveness scoring
- Templates & Tools – Physical security audit checklists, scoring matrices, and reporting formats

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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: Fundamentals of Physical Security in IT Environments

- Module 1: Understanding Physical Security Risks (07:30 – 09:30) • Threat types: intrusion, fire, power failure, insider threat • IT asset vulnerability to physical events • Linking physical and cyber security controls
- Module 2: Standards and Frameworks Overview (09:45 – 11:15) • ISO/IEC 27001 Annex A.11 • NIST SP 800-53 PE family • PCI DSS physical security controls
- Module 3: Defining Scope and Audit Objectives (11:30 – 01:00) • Auditing critical facilities: data centers, server rooms, control centers • Stakeholder mapping and facility selection
- Module 4: Workshop – Plan a Physical Security Audit Scope (02:00 – 03:30) • Define assets, threats, and objectives for a sample facility audit

Day 2: Access Control, Surveillance, and Intrusion Detection

- Module 5: Physical Access Control Systems (PACS) (07:30 – 09:30) • Authentication methods: ID badges, biometrics, PIN, dual access • Zones of control and visitor management
- Module 6: Monitoring and Intrusion Detection Systems (09:45 – 11:15) • CCTV, motion sensors, alarms, and remote monitoring • Monitoring effectiveness and response procedures
- Module 7: Perimeter and Building Security (11:30 – 01:00) • Barriers, fencing, gates, and parking control • Locks, turnstiles, and anti-tailgating systems
- Module 8: Workshop – Inspect and Rate Access Controls (02:00 – 03:30) • Assess a sample layout and control design

Day 3: Environmental Controls and Infrastructure Resilience

- Module 9: Environmental Threats and Facility Layout (07:30 – 09:30) • Water intrusion, structural risks, and unauthorized exposure • Zoning and separation of sensitive areas
- Module 10: HVAC, Fire Suppression, and Emergency Systems (09:45 – 11:15) • Smoke detection, clean agent systems, ventilation controls • Fire escape routes and redundancy
- Module 11: Power Protection and Backup (11:30 – 01:00) • UPS, generators, power distribution audits • Preventing brownouts and equipment failure
- Module 12: Workshop – Evaluate Environmental Resilience (02:00 – 03:30) • Review floor plans, emergency systems, and control gaps

Day 4: Compliance, Testing, and Incident Readiness

- Module 13: Compliance Assessment and Legal Requirements (07:30 – 09:30) • National laws, industry regulations, and certifications • Evidence management and documentation
- Module 14: Testing, Drills, and Staff Awareness (09:45 – 11:15) • Testing access controls, alarm response, evacuation • Security awareness and role-based responsibilities
- Module 15: Audit Reporting and Recommendations (11:30 – 01:00) • Structure, scoring, and prioritization of findings • Creating action-oriented and risk-ranked reports
- Module 16: Workshop – Draft a Physical Security Audit Report (02:00 – 03:30) • Write and present audit findings from a simulated scenario

Day 5: Simulation and Strategic Planning

- Module 17: Integration with Business Continuity and IT Risk (07:30 – 09:30) • Linking physical controls with disaster recovery and cybersecurity • Physical risks in third-party and cloud-hosted environments
- Module 18: Strategic Security Improvements (09:45 – 11:15) • Design enhancements, investment prioritization • Technology upgrades and layered security
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Module 19: Capstone Simulation – Audit Walkthrough (11:30 – 01:00) • Group exercise to perform full audit of mock data center

- Module 20: Debrief & Certification Presentation (02:00 – 03:30) • Lessons learned, feedback, and certificate distribution

Certification

Participants will receive a Certificate of Completion in Physical Security Audit, validating their capability to assess, report, and strengthen physical controls that protect IT infrastructure, data centers, and mission-critical business systems.

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**