MAWA EVENTS

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

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

ESD AWARENESS & INTERNAL AUDIT PREPARATION

"Establishing Electrostatic Discharge Control and Audit Readiness for Compliance and Product Integrity"

Schedule

Date	Venue	Fees (Face-to-Face)
26 – 27 Feb 2026	Kuala Lumpur, Malaysia	USD 1995 per delegate

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

Introduction

Electrostatic discharge (ESD) poses a critical threat to sensitive electronic components, manufacturing processes, and overall product quality. Establishing and maintaining ESD controls is essential not only for product reliability but also for compliance with international standards such as ANSI/ESD S20.20 and IEC 61340.

This 2-day course provides participants with essential knowledge on ESD principles, risk control measures, and preparation for internal ESD audits. It equips engineers, technicians, and quality professionals with the tools to ensure ESD-safe environments, detect gaps in compliance, and confidently face internal and external audits.

Objectives

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

- Understand the fundamentals and causes of electrostatic discharge
- Identify common ESD risks in manufacturing, handling, and testing environments
- Implement ESD control measures according to international standards
- Prepare for and support internal ESD audits and compliance assessments
- Conduct internal checks and maintain effective ESD documentation

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Why Attend

- Reduce costly ESD-related product failures and customer returns
- Build a compliant ESD control program in line with recognized standards
- Enhance audit readiness and quality system performance
- Improve safety and reliability across electronics manufacturing environments
- Gain confidence in ESD assessments, controls, and reporting

Target Audience

This program is designed for:

- Quality assurance and internal audit personnel
- Production and test engineers
- Electronics manufacturing supervisors
- ESD coordinators and compliance officers
- Anyone involved in handling, inspecting, or packaging sensitive components

Individual Benefits

Key competencies that will be developed include:

- Practical understanding of ESD principles and protection practices
- Ability to identify and control ESD hazards in various environments
- Familiarity with audit protocols and documentation requirements
- Confidence in evaluating ESD program effectiveness
- Skills to lead or support ESD compliance efforts internally

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved ESD control leading to fewer product failures and better customer satisfaction
- Enhanced readiness for ESD compliance audits and certifications
- Consistent application of ESD controls across departments
- Greater alignment with ISO, ANSI, and IEC audit expectations
- Strengthened quality assurance systems and reduced rework

Instructional Methodology

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

- Strategy Briefings – ESD standards, causes, and risk mitigation
- Case Studies – Audit failures and successful control programs
- Workshops – ESD risk identification, audits, and corrective actions
- Peer Exchange – Shared experiences from electronics and manufacturing industries
- Tools – ESD control plan templates, checklists, audit guides

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Course Outline

DETAILED 2-DAY COURSE OUTLINE

Training Hours: 07:30 AM – 03:30 PM **Daily Format**: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Understanding and Implementing ESD Controls

- Module 1: ESD Fundamentals and Industry Standards (07:30 – 09:30) • Causes and types of electrostatic discharge • Sensitivity of components and damage mechanisms • Overview of ANSI/ESD S20.20 and IEC 61340
- Module 2: ESD Risk Areas and Control Elements (09:45 – 11:15) • Identification of ESD-prone zones and operations • Control tools: wrist straps, flooring, garments, ionizers • Material classification: conductors, insulators, dissipative materials
- Module 3: Building an ESD Control Program (11:30 – 01:00) • Control plan structure and key components • Roles and responsibilities in ESD implementation • Calibration, verification, and training requirements
- Module 4: Workshop – Facility ESD Hazard Assessment (02:00 – 03:30) • Conduct a mock walk-through to identify ESD vulnerabilities

Day 2: Internal Audit Preparation and Compliance Monitoring

- Module 1: Internal ESD Audit Process (07:30 – 09:30) • Objectives and scope of internal audits • Preparing checklists and documentation • Audit trail and evidence collection
- Module 2: Common Audit Findings and How to Prevent Them (09:45 – 11:15) • Examples of non-conformances and root causes • Best practices in maintaining continuous compliance • Responding to audit observations
- Module 3: Documentation and Corrective Action (11:30 – 01:00) • Records, calibration logs, and training records • CAPA (Corrective and Preventive Action) process for ESD gaps • Compliance scorecards and audit summaries
- Module 4: Final Workshop – Internal ESD Audit Simulation (02:00 – 03:30) • Teams conduct a simulated ESD audit and present findings

Certification

Participants will receive a Certificate of Completion in ESD Awareness & Internal Audit Preparation, validating their ability to maintain ESD-safe environments and support internal audit readiness in line with industry 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.

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