



## EV REGULATIONS & COMPLIANCE TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

**Course Title:** EV Regulations & Compliance Training

**Course Validity:** 2 Days

**Validity:** Not Applicable

**HRD Corp Scheme:** Claimable

## **INTRODUCTION**

This training provides participants with essential knowledge on regulatory requirements governing Electric Vehicles (EVs), charging systems and related electrical safety standards in Malaysia. It covers Suruhanjaya Tenaga (ST) guidelines, SIRIM standards, OEM compliance requirements and national EV infrastructure regulations. The course strengthens understanding of legal obligations, certification pathways and compliance responsibilities for EV operations and installations.

## **OBJECTIVE(S):**

- Understand Malaysia's EV regulatory framework and legal requirements
- Learn ST, SIRIM and OEM compliance guidelines
- Strengthen knowledge of EV charger installation and certification rules
- Understand EV battery and high-voltage safety compliance
- Learn documentation, approval processes and regulatory submissions
- Improve organisational readiness for EV audits and inspections
- Ensure proper compliance for EV operations and infrastructure deployment

**TARGET GROUP(S):**

- EV technicians & engineers
- Electrical supervisors & installers
- Facility managers & fleet operators
- EPC contractors working on EV infrastructure
- Compliance teams & safety officers
- Organisations operating or deploying EV systems

**ENTRY REQUIREMENT(S):**

- Able to read, write, and communicate in Malay/English

**TOPIC(S):**

1. Overview of EV Regulations and Standards in Malaysia
2. Suruhanjaya Tenaga (ST) Requirements for EV and EVSE
3. SIRIM Certification, Product Approval and Testing Requirements
4. OEM EV Compliance, Safety Notices and Manufacturer Guidelines
5. Regulations for EV Charging Infrastructure and Public Installations
6. EV Battery, High-Voltage System and Safety Compliance Requirements
7. Documentation, Licensing and Regulatory Submission Procedures
8. Regulatory Audits, Inspections and Compliance Monitoring

**LIST OF REFERENCE BOOK(S):**

- Suruhanjaya Tenaga (ST) EV & EVSE Technical Standards
- SIRIM Certification & Testing Guidelines
- IEC & ISO Standards for Electric Vehicles
- OEM EV Safety & Compliance Manuals
- National EV Roadmap & Regulatory Guidelines

**LIST OF TEACHING AID(S):**

- LCD projector
- Computer
- Whiteboard with accessories

**METHODOLOGY(S):**

- Lecture
- Case studies
- Emergency response drills
- Practical demonstrations
- Group discussions

## TRAINING SCHEDULE

### Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 9:45 am	Topic 1: Overview of EV Regulations & Standards
9:45 am – 10:30 am	Topic 2: ST Requirements for EV & EVSE
10:30 am – 10:45 am	<b>Morning Tea Break</b>
10:45 am – 11:30 am	Topic 3: SIRIM Certification & Product Approval
11:30 am – 12:30 pm	Topic 4: OEM Compliance Requirements
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 2:30 pm	Case Study: EV Regulatory Non-Compliance Issues
2:30 pm – 3:30 pm	Documentation Review: Approval Submissions
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Workshop: Preparing EV Compliance Documents

## TRAINING SCHEDULE

### Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1 & Q&A
9:00 am – 9:45 am	Topic 5: Regulations for EV Charging Infrastructure
9:45 am – 10:30 am	Topic 6: EV Battery & HV System Safety Compliance
10:30 am – 10:45 am	<b>Morning Tea Break</b>
10:45 am – 11:30 am	Topic 7: Documentation, Licensing & Regulatory Submissions
11:30 am – 12:30 pm	Practical: Compliance Checklist Completion
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 2:30 pm	Topic 8: Regulatory Audits & Inspection Readiness
2:30 pm – 3:30 pm	Compliance Case Review & Best Practices
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Final Review, Q&A & Closing