



IMI INTERNATIONAL L1 & L2
AWARD IN ELECTRIC / HYBRID VEHICLE
AWARENESS & HAZARD MANAGEMENT FOR
EMERGENCY & RECOVERY PERSONNEL

Level 1 & Level 2: Award In Electric / Hybrid Vehicle Awareness & Hazard Management For Emergency & Recovery Personnel

■ Course Aim

This course is designed to provide candidates such as repairers as well as vehicle recovery personnel with an introduction to the knowledge of safe working practices, the dangers surrounding and the precautions required to avoid potential injury when near Electric/Hybrid vehicles. It is also for those people who may encounter accident damaged or broken-down vehicles, e.g., emergency services and roadside recovery operators.

It contains the knowledge required to work safely around a vehicle's high & low voltage electrical system and electric drive train system.

This course offers an introduction to this specialized industry sector which in addition to complimenting their current industry qualifications and experience, will enable candidates to continue to work safely within their role. These non-technical roles can include but are not exclusive to:

- Managers
- Vehicle Detailers/Valeting
- Parts Advisors
- Sales and After Sales Advisors
- Event Staff
- Vehicle Recovery Personnel
- Emergency Services Personnel
- Vehicle Dismantlers
- Vehicle Damage Assessors
- Electric/Hybrid professional Vehicle Drivers
- Insurers
- Adjusters
- Repairers
- Automotive College Students



■ Course Objective

The content of this qualification has been designed to give the candidates the knowledge required to work safely around Electric/Hybrid vehicles during emergency and recovery situations. It contains one mandatory unit covering:

- The types of Electric/Hybrid vehicles available
- Hazards associated with motor vehicle high energy electrical systems
- Working safely around Electric/Hybrid vehicles including charging
- Know the levels of current and voltage that present a hazard to humans
- Know the appropriate methods to isolate safely the high energy electrical system and carry out a safe method to re-instate the vehicle following the manufacturer's instructions
- Know the correct method of connection of an alternative power source (if permissible) to an electrically propelled/hybrid vehicle for the purpose of jump starting and/or charging the vehicle
- Candidates completing this qualification will acquire significant core knowledge of working safely around, but not the maintenance of Electric Hybrid vehicles.
- How to reduce the risk of injury when encountering electric/hybrid vehicles
- How to safely transport and store electric/hybrid vehicle

About

This qualification contains the knowledge of the dangers surrounding electric vehicles and the precautions to avoid potential injury. The purpose and aim of the suite IMI Awards' electric vehicle qualifications (VRQs) is to instruct individual from the retail automotive industry and the public service sector (for example, members of the emergency services, who may attend an accident involving an electric vehicle) in the maintenance, service, and/or handling of electric vehicles.

These qualifications have been developed by IMI in conjunction with electric vehicle manufacturers, component suppliers and the IMI Sector Skills Council. They are the first qualifications of their kind to address electric vehicle (high voltage) technology. The qualifications are essential to ensure the health and safety of individuals working with electric vehicles.

Entry Requirements

There are no formal entry requirements for this qualification and learners are not expected to have any prior knowledge or experience, however an interest in the subject area is advisable.

Pre-requisite : **e-Learning EV (Knowledge Check)**

Assesment : **Level 1 = 60%**

Passing Mark **Level 2 = 60%**

Course Detail

Duration : **2 days**

Certificate : **IMI International Qualification & MRC (Attendance & Accomplishment)**

Notes

- This course provides the knowledge required to work with vehicles that are powered by live high energy electrical components and associated systems.
- This course does not require any previous training or repair knowledge within the automotive industry.
- This course does not cover commercial or domestic electrical installations.

Schedule - E-Learning (Self-Paced)

CPD Hour	Course
6	Package EV Level 1: <ul style="list-style-type: none">• 48-Volt and Dual Voltage System• EV 1 - Vehicle Identification• EV 2 - Health and Safety



Schedule - Day 1

Time	Course Description
08:30 AM	Arrival of Participants and Breakfast
09:00 AM	Workshop Safety & Rules Introduction Electric / Hybrid Vehicle Training Location & PPE Introduction to Electric/ Hybrid Vehicles <ul style="list-style-type: none"> • Types of electric/ hybrid vehicles available in the market • Identify electric/hybrid vehicles • Differences between electric/hybrid vehicles (including charging)
10:30 AM	Morning Tea Break
10:45 AM	Understanding High Voltage Safety <ul style="list-style-type: none"> • Hazards associated with high energy vehicle electrical systems • Hazards associated with transportation, storage & disposal of high voltage batteries • Safety precautions approach around high energy vehicle electrical systems
01:00 PM	Lunch Break
02:00 PM	INT EV1 Written Assessment (IMI)
03:30 PM	Evening Tea Break
03:45 PM	Discussion/ Answer Session – INT EV1 Written Assessment (IMI)
05:00 PM	Session Ends

Schedule - Day 2

Time	Course Description
08:30 AM	Arrival of Participants and Breakfast
09:00 AM	Review of yesterday's topics
09:30 AM	Electric / Hybrid Vehicle Routine Maintenance Activities <ul style="list-style-type: none"> • Electric / Hybrid Vehicle System Components and Operation • Safety precautions when carrying out maintenance and repair activities
10:30 AM	Morning Tea Break
10:45 AM	Demonstration & Practical <ul style="list-style-type: none"> • Identify Electric / Hybrid Vehicle System Components • Initial Inspection and Handling • Isolate and re-instate the high energy electrical system • Remove and install/ replace high energy electrical system components
01:00 PM	Lunch Break
02:00 PM	INT EV2 Written and Oral Assessment (IMI)
03:30 PM	Evening Tea Break
03:45 PM	Discussion/ Answer Session – INT EV2 Written and Oral Assessment (IMI)
05:00 PM	Session Ends



Our Partners & Supported by:



www.mrc.com.my



60 3 5568 1888



60 3 5567 9350



MRC Malaysia - Motordata Research Consortium Sdn Bhd



mrcmalaysia



training@mrc.com.my