

# Syllabus Report (SYL)

## CorePass® Electric Vehicle First Responder



7041:2025

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<b>IQF Level</b>	2	<b>IQF Credit</b>	1
<b>Approved References</b>	EV Manufacturer Emergency Response Guides   National Fire Protection Association (NFPA) - Electric Vehicle Safety Training Program (Online Course)   EV FireSafe - Electric Vehicle Fire Safety Resources (Digital Library)   U.S. Department of Energy - Alternative Fuels Data Center: Electric Vehicle Safety Training for First Responders (E-learning Modules)   International Association of Fire Chiefs (IAFC) - Electric Vehicle Safety Resources (Webinar Series)   Society of Automotive Engineers (SAE) - Electric Vehicle Safety Standards (Digital Handbook)   "Electric Vehicle Emergency Field Guide" by NFPA (Latest Digital Edition)   "Tactical Considerations for Extinguishing Fires in Hybrid and Electric Vehicles" by NFPA (Interactive E-learning Course)   "Electric Vehicle Incidents: A Guide for First Responders" by Tesla (or similar digital guides from other major EV manufacturers)   "Alternative Fuel Vehicles Safety Training" by National Alternative Fuels Training Consortium (NAFTC) (Virtual Classroom Sessions) "EV Safety for Emergency Responders" by Electric Vehicle Safety Training (EVST) Australia (Online Training Portal)		
<b>Special Notes</b>			

<b>Identify types of electric vehicles and their key components.</b>	704125D01
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Performance	Identify types of electric vehicles and their key components.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Describe how to identify electric vehicles and their key components.</b>	704125D02
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Performance	Describe how to identify electric vehicles and their key components.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Describe potential hazards associated with electric vehicles in emergency situations.</b>	704125D03
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Performance	Describe potential hazards associated with electric vehicles in emergency situations.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Describe potential hazards associated with electric vehicles post-incident.</b>	<b>704125D04</b>
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Performance	Describe potential hazards associated with electric vehicles in emergency situations.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	Range: stranded energy, secondary ignition.

<b>Explain proper approach and initial assessment procedures for EV incidents.</b>	<b>704125D05</b>
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Performance	Explain proper approach and initial assessment procedures for EV incidents.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Explain thermal runaway in the context of EV emergencies</b>	<b>704125D06</b>
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Performance	Explain thermal runaway in the context of EV emergencies
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Recognise indicators of battery instability and thermal runaway in electric vehicles.</b>	<b>704125D07</b>
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Performance	Recognise indicators of battery instability and thermal runaway in electric vehicles.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Outline appropriate personal protective equipment (PPE) for responding to EV incidents.</b>	<b>704125D08</b>
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Performance	Outline appropriate personal protective equipment (PPE) for responding to EV incidents.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

<b>Detail additional risks associated with EV fires to conventional vehicle fires.</b>	<b>704125D09</b>
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Performance	Detail additional risks associated with EV fires to conventional vehicle fires.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	Range: must include, but not limited to: temperature ranges and toxic emissions.

<b>Describe procedures for immobilising and disabling electric vehicles at incident scenes.</b>	<b>704125D10</b>
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Performance	Describe procedures for immobilising and disabling electric vehicles at incident scenes.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

**Explain fire suppression techniques for extinguishing EV fires.** 704125D11

Performance Explain fire suppression techniques for extinguishing EV fires.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments Range: may include, but not limited to: cool, burn, submerge.

**Describe procedures for disconnecting and isolating high-voltage systems in electric vehicles.** 704125D12

Performance Describe procedures for disconnecting and isolating high-voltage systems in electric vehicles.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments

**Describe safe extrication procedures for occupants trapped in electric vehicles.** 704125D13

Performance Describe safe extrication procedures for occupants trapped in electric vehicles.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments

**Explain appropriate actions for responding to submerged electric vehicles.** 704125D14

Performance Explain tactical considerations and appropriate actions for responding to submerged electric vehicles.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments

**Outline effective communication strategies for incident scene management and handover procedures.** 704125D15

Performance Outline effective communication strategies for incident scene management and handover procedures.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments

**Analyse case studies of EV-related incidents to identify best practices and lessons learned.** 704125D16

Performance Analyse case studies of EV-related incidents to identify best practices and lessons learned.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments

**Evaluate the effectiveness of different EV fire suppression methods and containment strategies.** 704125D17

Performance Evaluate the effectiveness of different EV fire suppression methods and containment strategies.  
Standards In accordance with approved references and organisational doctrine.  
Conditions  
Comments

**Formulate a risk assessment approach for various EV emergency scenarios.**

704125D18

Performance	Formulate a risk assessment approach for various EV emergency scenarios.
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	

**Locate and interpret emergency response guides for electric vehicles**

704125D19

Performance	Locate and interpret emergency response guides for electric vehicles
Standards	In accordance with approved references and organisational doctrine.
Conditions	
Comments	