



First Responder Training (CNG-FRT) TC06-0001

This course is 8-hours of classroom training for First Responders defined as a firefighter, law enforcement officer, paramedic, emergency medical technician, or other individual (including an employee of a legally organized and recognized volunteer organization, whether compensated or not), who, in the course of his or her professional duties, responds to fire, medical, hazardous material, or other similar emergencies. Course covers CNG properties, hazards, and safety, facilities, CNG fuel system identification, fuel system reaction during fires (PRD activation and venting), emergency guidelines for dealing with fires, accidents, fuel leaks, body fires, and recovery operations. This training is applicable to any fuel system type or manufacturer, on any chassis and body configuration. *No prerequisite required for this course.*

Deliver Mode: In-Class

Learning Objectives

Student will be able to

- Identify CNG fuel system Hazards.
- Identify CNG Vehicles and Fuel system location.
- Recognize CNG diamonds and location of CNG diamonds.
- Identify Pressure Relief Device (PRD) vent locations.
- Describe Emergency Guidelines for Vehicle Accident, Fuel Leaks, Vehicle Fire
- Describe vehicle recovery operations.

Course Outline

1. Compressed Natural Gas Safety

- Introduction to CNG
- Properties of CNG
- CNG Safety
- Facility Requirements

2. CNG Fuel Systems

- Types of natural gas vehicles systems and system locations on vehicle
- CNG diamond locations
- CNG Fuel System Valves
- Pressure Relief Device (PRD)
- PRD Vent and VENT locations

3. On-board energy source hazards

- **Emergency Guidelines**
 - ✓ Vehicle Accident
 - ✓ Fuel Leaks
 - ✓ Vehicle Fire
 - ✓ Vehicle Trash Fire
 - ✓ Vehicle Recovery Operations
- **Fuel Station Fire**
 - ✓ CNG Fuel Station
 - ✓ Fleet Fueling (Slow Fill)
 - ✓ Fuel Trailer