



Repair Facility Requirements for Natural Gas Vehicle (CNG/LNG-FR) TC03-0002

This course is 8-hours of classroom training for companies or individuals providing repair services of NGV vehicles to include: general managers, managers, supervisors, HSE, risk management, and project managers. Course covers repair facility requirements for natural gas vehicles covering applicable codes and standards requirements for repair facilities that are modified to allow work on fueled CNG vehicles. *No prerequisite required for this course.*

Deliver Mode: In-Class

Learning Objectives

Student will be able to

- Describe safety considerations for natural gas vehicle service and repairs.
- Identify National Fire Protection Association (NFPA) codes for CNG repair facility.
- Identify International Fire Code (IFC) codes for CNG repair facility.

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
- **Fuel Station Fire**
 - ✓ CNG Fuel Station
 - ✓ Fleet Fueling (Slow Fill)
 - ✓ Fuel Trailer