



# P·T·I 100-07

## Transportation of Dangerous Goods - Propane Hose Inspection & Testing



### Course Overview

This course has been designed for individuals who conduct pressure testing on propane hoses used during loading or off-loading of highway tanks. The student may attend an instructor-led training course or, upon the direction of a P·T·I certified Trainer, study the course manual and attend a specialized review session and demonstration of correct procedures by a P·T·I certified Trainer. In either case, the certification requirements listed below must be achieved in order to successfully complete the course.

### Key Learning Objectives

The student will gain knowledge in the following key areas:

- **Product Knowledge and Propane Safety**  
Includes instruction on the properties and characteristics of propane; personal protective equipment required; preventative measures and first aid tips specific to propane; understanding sources of ignition and testing for leaks; emergency preparedness.
- **Regulatory Requirements for Hose Assembly Inspection and Testing**  
Includes instruction on the specific regulatory requirements affecting hose assembly inspection and testing, the frequency of testing and types of inspections.
- **Visual Inspection of the Hose Assembly**  
Includes instruction on how to conduct the visual inspection of the hose assembly prior to pressure testing.
- **Testing Equipment**  
Includes instruction on the equipment that is required to conduct a pressure test on the hose assembly.



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- **Pressure Testing Instructions – Using Water**  
Includes step-by-step-instructions on how to conduct a pressure test on the hose assembly using water as the test fluid and the marking and documentation required to record the test.
- **Pressure Testing Instructions – Using Propane**  
Includes step-by-step instructions on how to conduct a pressure test on the hose assembly using propane as the test fluid and the marking and documentation required to record the test.

## Regulatory References

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This course has been designed to satisfy regulatory requirements of the most current B620 - Highway Tanks and Portable Tanks for the Transportation of Dangerous Goods code, and Transportation of Dangerous Goods Regulations up to and including SOR/2008-34 (Amendment 6). While this course has been written to satisfy national requirements, the P·T·I certified Trainer will also ensure that the student is aware of any additional requirements as outlined by the authorities in their jurisdiction.

## Certification Requirements

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The student must successfully undergo a competency evaluation conducted by their employer or an individual appointed by the employer. Upon receipt of the competency exam, the Propane Training Institute will issue a paper Record of Training (ROT) certificate and plastic wallet card certifying successful completion of the course. P·T·I certification is valid for three years from the date of training.

## Course Duration

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This course has been designed to be offered as on-the job training, however, classroom instruction of this course including completion of the competency evaluation can be completed in less than four hours.

The cost of classroom instruction is determined by the Trainer and is dependent on where the training will be held and for how many students.



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