



ALL103-US Utility Advanced Line Locating

Course Overview: This 1 day (up to 8 hours) online utility locator training course is aimed at developing knowledge and skills associated with locating underground utilities (electric power, gas distribution, and telecommunications). This e-learning course provides an Underground Facility Locator (UFL) advanced solutions to abnormal operating conditions (AOCs). This utility locator training course, developed with input from industry subject matter experts, is a knowledge component of CAPULC's recognized 3-step competency cycle. It details the necessary methods and procedures to safely perform utility locates as per applicable regulatory requirements, acts and industry best practices. Included in this utility locator training course: Online quizzes and a final exam. Certificate and wallet card issued upon successful completion.

Module 1 – Introduction

1. Describe underground (buried) facilities and ground disturbance

Module 2 – Locate Requests and Locator Responsibilities

1. Identify locate requests and Locator responsibilities

Module 3 – Locating Procedures

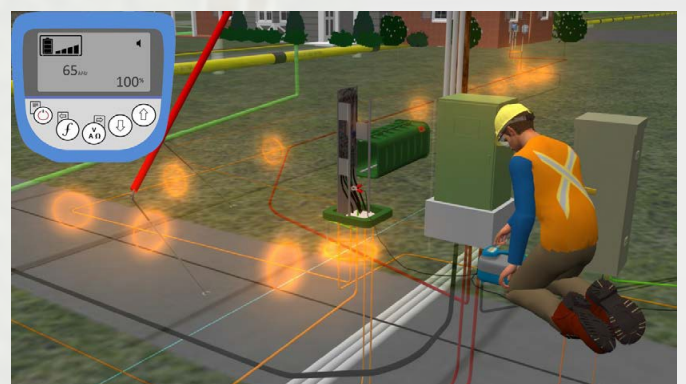
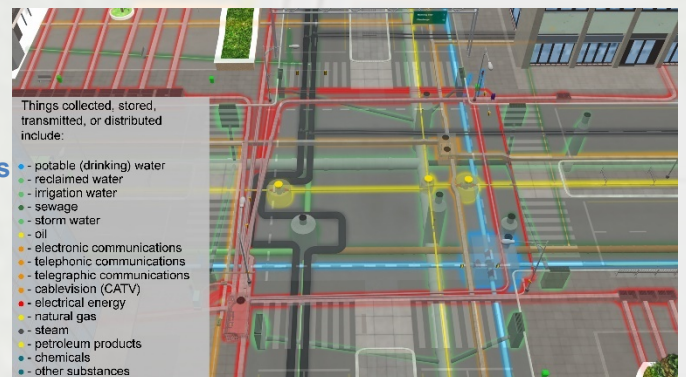
1. Explain locating procedures

Module 4 – Locating Fundamentals

1. Describe the theory of electromagnetic locating
2. Explain frequencies and transmitter signals
3. Explain receiver signals and antenna configurations
4. Discuss signal distortion

Module 5 – Active Locating Methods

1. Explain and apply the Direct Hook-up Method
2. Explain and apply the Inductive Clamp Method
3. Explain and apply the Inductive Method



Module 6 – Passive Locating Methods

1. Explain and apply the Radio Mode
2. Explain and apply the Live Cable (Power) Mode
3. Explain and apply the CPS Mode

Module 7 – Advanced Locating Methods

1. Explain and apply the Parallel Line Check Method
2. Explain and apply the Sweeping Method
3. Explain and apply the Multi-Angle Sweeping Method
4. Explain and apply the 360° Sweeping Method
5. Explain and apply the ALL Method

Module 8 – Unconventional Locating Methods

1. Explain and apply the Point A to Point B Method
2. Explain and apply the Measurement Method
3. Explain and apply the Visual Evidence Method

Module 9 – Locating Obstacles

1. Explain locating obstacles

Module 10 – Problem Solving

1. Apply problem solving procedures

