

## Conettix IP

<b>Course Title:</b>	Conettix IP
<b>Duration:</b>	1 Day
<b>Target Audience:</b>	Installation, Service, Project Managers
<b>Total Attendees:</b>	8
<b>Objectives:</b>	<p>Upon successful completion of this course the participant should be able to:</p> <ul style="list-style-type: none"><li>• Communicate network and Conettix IP terminology, features, and concepts for accurate planning and problem-solving</li><li>• Describe the equipment necessary to successfully implement a Conettix IP network</li><li>• Identify and describe major components of the D6600/D6100i, ITS-D6682-UL and the D6200CD receiver software</li><li>• Describe the high level steps of a Conettix IP configuration</li><li>• Identify a trouble condition or event and describe the various problem solving resources</li></ul>
<b>Prerequisites:</b>	Successful completion of the G Series course. Hands-on experience using troubleshooting equipment, including multimeters, wire strippers and screwdrivers. Students should also have basic PC skills.

### Course Content:

#### Module 1: Network Basics

- General Networking
  - Terms to Know
  - Types of Networks
  - Architecture
  - Types of LANs
  - Hardware
  - Protocols
- IP Networks
  - Classes of IP Networks
  - IP Protocol Stack
  - TCP and UDP Comparison
  - IP Addressing
  - Subnetting
  - Subnet Mask

- ARP, Telnet, and Ping
  - Using ARP
  - Using Telnet
  - Additional Resources

### **Module 2: Conettix IP Overview**

- Components of the Conettix IP System
  - D6600/D6100i Receiver
  - ITS-D6682-UL Network Adapter
  - C900V2 Dialer Capture Module
  - DX4020 Network Interface Module
  - Remote Programming Software (RPS)
  - D6200CD Receiver Software
  - Additional Features
- General Operation
  - General Description of Operation
  - Messages
  - Conettix IP Setup with Firewalls

### **Module 3: Field Installation**

- Configuration, Installation, & Programming
  - NIM Configuration
  - Installation Steps
  - Static vs. DHCP
  - Security Requirements
  - C900V2 Location of Major Items
  - DX4020 Location of Major Items
  - NIMs Connections
  - MAC and IP Addresses
  - Control Panel Programming using RPS
  - Verify Installation
  - Upgrade NIMs
- Special Applications
  - Special Conettix IP Applications

### **Module 4: Central Station Installation and Operation**

- Overview of Components
  - Central Station
  - Overview of D6600/D6100i Interior, Backplate
  - Overview of ITS-D6682-UL
  - Overview of D6200CD Receiver Software
- Preinstall Planning
  - Review Requirements of System
  - Pre-installation Requirements
- Install and Configure
  - Product Documentation
  - Configuration Task List
  - Navigating D6600/D6100i Faceplate
  - Configuring ITS-D6682-UL
  - Current Status

**Final Exam:** Passing grade is 75% or higher

**Practical Content:** At least 50% hands-on