

Residential Services

Course Length	3 days
Course Code:	NFSRES01
Prerequisites	None. A basic understanding of telecommunications transmission principles will be useful for students taking course.
Course Overview:	This course focuses on proper troubleshooting and installation practices as well as an overview of fundamentals.

*This course can be customized or combined to meet specific system requirements

Course Outline

Overview of Residential Services

- Types of Services
- Common Applications
- Installation/Maintenance
- Test Equipment/Tools
- Troubleshooting Techniques

Plain Old Telephone Service (POTS)

- Applications
- Technology Overview
- POTS Equipment
- Outside Plant Specifications
- Installation and Maintenance
- Specifications/Parameters
- Test Equipment/Tools
- Troubleshooting

ISDN (BRI)

- Applications
- Technology Overview
- BRI v/s PRI
- B channels
- D channels
- Interfaces (U, S/T, R...)
- ISDN Equipment



NetForce Solutions, Inc.
17281 Simmons Road
Purcellville, VA 20132

phone (540) 338-5824
fax (509) 757-1661

info@netforcesolutions.com

www.netforcesolutions.com

Versions of ISDN (Standards)
Outside Plant Specifications
Installation and Maintenance
Specifications/Parameters
Test Equipment/Tools
Troubleshooting Techniques

xDSL Fundamentals

Applications
Technology Overview
Types of DSL (IDSL, ADSL, SDSL...)
DSL Equipment
Outside Plant Specifications
Installation/Maintenance
Specifications/Parameters
Test Equipment/Tools
Troubleshooting



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