

ISDN Fundamentals

Course Length	1 day
Course Code	NFSIS01
Prerequisites	None, however an Introduction to Data technologies course is extremely helpful.
Course Overview:	This course gives an overview of ISDN technology and standards. All ISDN equipment interfaces and service parameters are also discussed.

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

*An additional second day can be added on for hands-on applications

Course Outline

ISDN Industry Overview

- Trends
- Drivers

Packet-Based Technologies

- Overview
- Drivers
- Market
- Comparison to other technologies

OSI Model

- Purposes
- Layers
- LAN vs. WAN
- Packets, Frames, and Cells
- Addressing/Routing
- Point-to-Point and Layer 2

ISDN Overview

- Market
- Advantages

Comparison to other technologies



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ISDN Applications

ISDN Basics

- BRI v/s PRI
- B channels
- D channels
- Network Equipment
- Interfaces (U, S/T...)
- SPIDS, TEIs and TIDS
- ISDN Networks

Service Level Agreements (SLA)

ISDN Installation and Maintenance

- Testing concepts
- Test Access
- Common Problems
- Physical Layer Testing
- Voice Testing
- Data Testing
- In Service Monitoring
- Out-of-Service Testing
- Percent of reliability