

# Chris Ellis

Networking JumpStart For Busy People

## Vol II - Broadband Networking

Part of the Networking JumpStart Video Series

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– Walton Loke, Nortel Networks

*"Excellent presentation, knowledge, and analogy—I would listen again."*

– Bill Cameron, Nortel Networks

**ellis talks**

Where Busy People go to Learn

# Vol II - Broadband Networking

Approximate duration: 2.5 hours

**An Introduction to ATM**—Defining Asynchronous Transfer Mode; Issues behind converging voice and data traffic; ATM's cell structure; How statistical multiplexing works; How ATM achieves Quality of Service for mixed traffic types.

**ATM Details**—The ATM header examined and explained; Service categories explained; Defining ATM Adaptation Layers (AALs); How Permanent Virtual Connections (PVCs) work; How Switched Virtual connections (SVCs) work.

**SONET**—Defining Synchronous Optical Network; How SONET supports broadband; How SONET forwards data; How an OC-1 frame is built; How OC-3 frames are built.

**Optical Networking Trends**—Introducing DWDM and GMPLS concepts; An overview to 10-Gigabit Ethernet; Advances in optical networking; Fiber optic issues: how multi-mode fiber differs from single-mode; Basic optical switching techniques.

**Broadband Internet Access**—Why broadband Internet access; Defining broadband access; Comparing ADSL, Cable, G.Lite and Satellite based access methods; Residential versus business DSL; DSL derivatives and their differences; LMDS (fixed wireless) services; LMDS transmission methods.

**Yes, I want to JumpStart today!**

### Vol II - Broadband Networking

- Video \$249 + \$11 shipping = **\$260**
- Syllabus \$39 + \$11 shipping = **\$50**

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