



# Long-reach Copper A Multi-Carrier Perspective

# North American Carrier Perspective

## **Supported By**

SBC

Qwest

BellSouth

Verizon

Bell Canada

Sprint

(I.e. North American Carriers)

# North American Carrier Perspective

EFM MUST not stray from ANSI standards

- T1.413-1998/T1.413a-2001
- T1.417 Issue 2 (Spectrum Management)
- T1.418-2000 (HDSL2)
- T1.419-2000 (Splitterless ADSL)
- T1.422-2001 (SHDSL)
- T1.423-2001 (ADSL)
- T1.424/Trial-Use (VDSL)

# North American Carrier Perspective

- For North American deployment, EFM standard MUST be fully compliant with all existing ANSI standards
- Bandplans selected by EFM MUST be specified in current ANSI DSL standards
  - Addition of new bandplan requires sophisticated coordination with other ANSI standards
  - ANSI standards carefully selected for deployment in public networks

# North American Carrier Perspective

1. G.SHDSL is an approved ANSI basis system
2. ADSL-Annex J is not an approved ANSI standard

## Supporters

Charles Cook (*Qwest*)

Dong Wei (*SBC*)

Norm Smith (*Bell Canada*)

Brian Ford, Gary Tennyson (*BellSouth*)

Pete Youngberg (*Sprint*)

Trone Bishop (*Verizon*)

# Why we should ignore the customer?

Top ten reasons to vote against the customer...

1. These customers are too small to listen to
2. These customers aren't representative
3. These customers don't know what they're talking about
4. These customers dress funny (they wear ties!)
5. We're secretly promoting ATM at the IEEE
6. Too many customers require too much support
7. We'd have to work more if people actually bought stuff
8. My portfolio is down and its telecom's fault
9. I was never popular in high school, why start now?
10. We don't want to be successful