EFM/DSL Rates/Range

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Vectored EFM

- 4 lines in quad are coordinated at one end, or possibly all 50 are coordinated in telco network
- Allows use of vectored transmitter and receiver
  - Higher rates
  - Lower power/cost as coordination allows simpler signal processing per line
- Following are simulated results based on vectored DMT VDSL model at Stanford
Data Rates achievable over a CAT-5 private network

- Vectoring within quad-TDD
- Vectoring within quad
- Vectoring within bundle

Per line data rates
EFM Range

Data Rates achievable over a CAT-5 private network

- 2 lines, 100BT at 1 km
- 10BT at 1 km on one line is easy
- 4 lines, 100BT at 2 km