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IPTV Deployment 7 Years Later...

OPASTCO Winter Convention
Phoenix
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IPTV Architecture

In the beginning....

- Newbridge DSLAMs
- Myrio Middleware
- TUT Encoders
 - Encoding at 2.7 Mbps
- SONET Ring Transport
- Comtrend Modems
- 1st Generation ADSL
 - 7.8 Mbps train rate



A Rough Ride

- Newbridge Purchased By Alcatel
- 18 Month Search For Replacement DSLAM Vendor
- Set Top Box Problems
- Middleware Growing Pains
- More Modem Issues Than I Can Count
- SONET Evolution To RPR
- VOD And Encryption



Today...

- Providing IPTV To 16 Communities
- 110 Video Channels
- 46 Music Channels
- 8 Local Radio Stations
- 1,947 Customers
- 100% Copper Based Service



IPTV Issues of Concern

- Cost
 - NECA Tariff
 - MPEG 4
- Quality Of Service
 - Circus of Technologies
- Vendor Attitudes
 - We Are No Longer The Focus
- Interoperability Problems
 - The Major Technical Problem



Considered FTTH

- Cost of FTTH
 - \$2,586,000
 - Considered various cost recovery models
 - Involve your consultants!
- Cost of HFC overbuild
 - \$1,026,000
 - 100% deregulated plant

As A Result...

We Are Changing Direction

- HFC Overbuilds
 - 7 Current IPTV Communities
 - 1,176 Customers Will Become CATV Customers
- We Will Still Have 771 IPTV Customers
 - Majority Are In One CLEC Exchange Constructed To Support VDSL2
 - Loop Lengths Are < 3,000 Feet

