Federal Communications Commission

National Broadband Plan

Traffic Engineering Discussion

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Byron J. (B.J.) Neal
byron.neal@fcc.gov

BROADBAND.GOV
NATIONAL BROADBAND PLAN

Intro to Nat'l BB Plan

In Early 2009 Congress and the President tasked the FCC with putting a plan together to provide a framework for BB access to the entire US.

- Including rural, unserved and underserved areas of the US

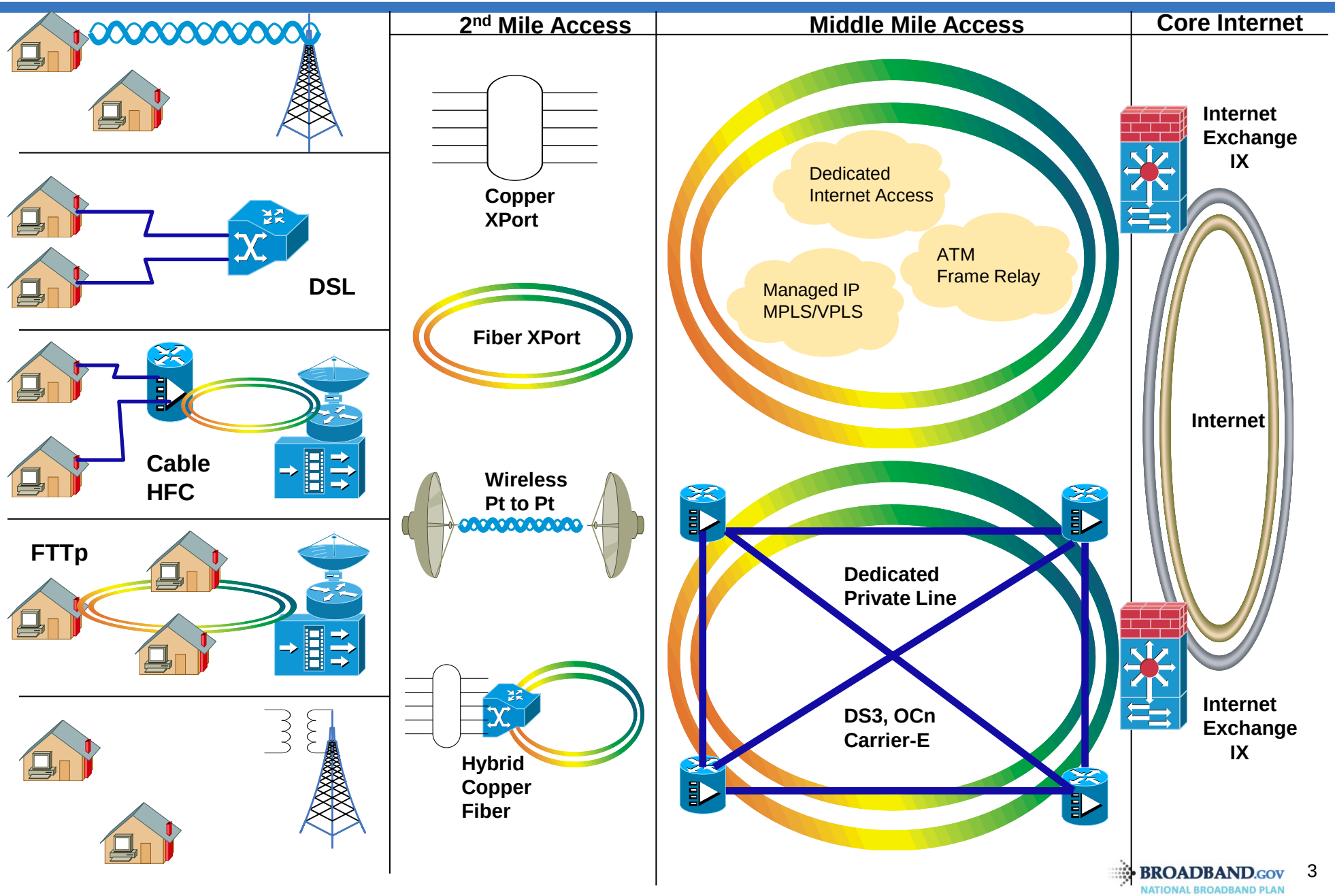
The Plan is due to congress on February 17th 2010

Three basic components to the BB Plan team

- Deployment Team – technology, cost factors, funding sources, policy levers
- National Purposes – healthcare/hospitals, schools, public institutions, smart grid, etc
- Adoption – what needs to be done to encourage adoption of BB technology for the underserved and unserved

Broadband Plan is Data driven – FCC looking for as much real world data as possible as inputs to the plan

US has a complex mix broadband assets



Traffic Engineering on “Shared” portions of the network

- How should the BB plan team think about traffic engineering, or sizing of the shared or “backhaul” portions of the network?

- Significant impact to the cost of a Nat’l BB network architecture. Obviously it is very important to size the network properly

- Possibly need an equivalent “erlang” model for public IP traffic mix. What is the formula for this?

- NANOG member's view on the traffic engineering and network dimensioning principles that should be applied for planning purposes of a national broadband network??

Thank You

Byron J. (B.J.) Neal
Sr. Technologist Nat'l Broadband Plan
Federal Communications Commission
byron.neal@fcc.gov
Mobile – 202 427 5990