

GLIF futures

- The XP-LP model is an extreme example of SDN. Is there anything to be gained by thinking of it that way?
- What are the implications of OF being extended to the optical control plane?
- Does the roadmap contemplate *100 demand within three years? E.g.,
 - Traffic engineering
 - Network management
 - Troubleshooting (Does NSI have an icmp?)



GLIF futures (cont'd)

- The XP-LP model represents a *deconstructed* network, in which each node and each link is (potentially) under separate administrative control
- Conventional network management tools aren't designed for that
- Perhaps we need to replace the conventional model of an R&E network with a trust federation...
- ...so that networks have arbitrary overlap
- Hmm...



Light Paths

- Associated with every Light Path P is a set of properties or constraints C_p which may be
 - Technical
 - Administrative
 - Policy (e.g., AUP, QoS)
 - Pricing
 - ...
- C_p is never empty
 - Interfaces
 - Impairments
 - ...

Exchange Points

- Associated with every Exchange Point X is a set of properties or constraints C_X which may be
 - Technical
 - Administrative
 - Policy (e.g., AUP, QoS)
 - Pricing
 - ...
- C_X is never empty
- If C_X is empty except for technical constraints, we call X an “Open Exchange”
- GOLEs are a proper subset of Open Exchanges
- *Now can we please get on with substance?*



NSI

- From 10,000m, it appears that XP and LP constraints can be handled by the NSI Service Definition
- Syntax and semantics TBD -- but there is prior art