

V6OPS ISP Breakout Session

draft-mickles-v6ops-isp-cases-01.txt

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Cleveland Mickles

micklesC@aol.net

ISP Scenario

Breakout Session Agenda

- Review Outline
- Review existing Draft

Scope of Work

- Define the “Problem Set” of Scenarios
 - CORE/Backbone
 - Broadband Hybrid Fiber Coax / Cable
 - Broadband DSL
 - Narrowband Dialup
 - Broadband Ethernet
 - Wireless (802.11b)
 - Internet Exchange Points
 - Security(detection & prevention)
 - Network Management
 - Infrastructure Services
- Provide solutions/analysis in a companion document

Outline

- Topology
 - Physical
 - Logical
- Hardware
 - Routers
 - Switches
 - CPE (router, modem, pc, gateway, appliance, etc)
- Routing
 - IGP
 - EGP (if applicable)
 - IRR, routing policy
 - Multicast
 - Addressing
 - NAT
 - Aggregation

Outline (cont)

- Traffic Engineering
- Security
 - Intrusion Detection
 - Ingress Filtering
 - Prevention
- Network Management
 - Out of band, configuration tools, snmp
- Hosting Gear
 - DNS, radius, tacacs, mail, tools, cacheing

Breakout Actions

- Added additional work areas(and volunteers)
 - **Wireless(802.11x)**
 - **Broadband Ethernet**
 - **Infrastructure Services(overlap area)**
 - Data centers
- Outline Clarification
 - **Add Multicast**
 - **Add Multi-homing/managed access**
 - **Security**
 - **Traffic engineering**
- DSL Detail
 - **L2 discussion not necessary**
 - **other issues send to list**
- Agreement that the draft represents the majority of ISP networks
- IJ presentation on IPv6 ISP in Japan
 - **Provides input for the analysis draft**