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IPv6MIB: Birds of a Feather Session

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Agenda

- IPv6 Managed Subsystems
- Management Support Entities
- Relationships: IPv4, IPv6, and "Applications"
- Affected MIBs
- Proposed Organization
- Administrative Issues

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IPv6 Managed Subsystems/1

- Network Subsystem
  - IPv6 protocol, and associated ICMP and IGMP
  - Neighbor Discovery, Tunneling, and Mobility
  - Forwarding and Flows
  - Network Address Resolution
  - Header Compression
- Transport Subsystem
  - TCP
  - UDP

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IPv6 Managed Subsystems/2

- "Application" Subsystem
  - Routing Protocols
  - DNS
  - Address Administration and Management
- Interface Subsystem
  - Network Control Protocol for IPv6

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Management Support Entities

- New Textual Convention or SMI Extension to accomodate new/different Address, or Address Format
- Define New Transport Mappings
- Possible Additional Textual Conventions

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Relationships: IPv4, IPv6, and Applications

- Common Managed Objects between IPv6 and IPv4?
  - All? Some?
- Common Managed Objects for a Routing Protocol employed for IPv6 and IPv4?
  - All? Some?
- Common Managed Objects for DNS

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Affected MIBs

- MIB-II
- Forwarding Information Base
- MIBs for associated Routing Protocols
- Link specific MIBs (e.g. IPCP)
- Others?

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A Proposed Organization/1

- Network MIB
  - IPv6 protocol, and associated ICMP and IGMP
  - Header Compression
- Neighbor Discovery, Tunneling, and Mobility MIB
- Forwarding and Flows MIB
- Network Address Resolution MIB
- Transport MIB
  - TCP
  - UDP

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A Proposed Organization/2

- Routing Protocol(s) MIBs
- DNS MIBs
- Address Administration and Management MIB
- IP Control Protocol MIB

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Administrative issues

- General Interest in MIBs for IPv6
- Relevant Work Group(s)
- Charter
- Schedule

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