Discussion Questions for RIB Models

Sue Hares (I2RS co-chair)

Questions for Discussion

˝ Does the RIB Info Model and RIB Yang model fill all the Protocol Independent Use cases?

˝ Is there any concerns regarding the I2RS RIB Yang module?

˝ Are the examples in the RIB Info Model appropriate for an Information Model?

RIB Info Model Examples (1)

″ Route preference (7.1)

″ Different next hop types (7.2)

- Tunnel nexthop
- Replication lists
- Weighted lists
- Protection list for primary and back up
- Nexthop chains
- Lists of list

RIB Info Model Examples (2)

˝ Multicast part of other use cases

  . Subscription is outside scope of RIB Info Model

  . PIM-based multicast at forwarding level can be represented as replication list

  . MPLS p2MP can be represented as:

    ˝ <logical-tunnel> (P2MP LSP identifier) or

    ˝ a replication list of <tunnel-encap>, with each tunnel encap representing a single mpls downstream nexthop