Implementation of IPv6 in Deutschen Telekom AG’s Network

Weakness Analysis

Aspects

1. Market/Demand
   - Applications
   - Number of customers
   - Scenario of implementation/Rollout/Upgrade II
   - Investments/Costs
   - Cost-/Benefit analysis; Business-models; Businesscases

2. Economics
   - Productions-Releases (2002 at an earliest)
   - HW-Equipment Backbone (End 2001 at an earliest)
   - Currently SW-based solution (with restrictions in permanence; no QoS-Guarantee)
   - Integration in DTAG-Network-Managementsystems open
   - AAA-Funktions still under development with IETF; No common view among ISP/Telcos
   - High Innovations-/Investment-hemmnisse
   - Nat./int. Projects just started (Results expected End 01/Beginning 02); joint co-operation Cisco/DTAG Begin May 01; Participation in Network-Proj. with IPv6-Exchangepoints; Euro6IX and Cisco-Proj. IPv6-Pilotnetz

3. Technology/Operation (manufacturer driven)
   - Scenario of implementation/Rollout/Upgrade II
   - Investments/Costs
   - Cost-/Benefit analysis; Business-models; Businesscases
   - Productions-Releases (2002 at an earliest)
   - HW-Equipment Backbone (End 2001 at an earliest)
   - Currently SW-based solution (with restrictions in permanence; no QoS-Guarantee)
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4. Standardisation

5. Project Results

6. Regulation/Competition