It Supports IPv6

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RFP Approach A

Company A
RFP for IP Backbone Network

Objective of the RFP

Company A is a leader in telecommunications and wants to update its IP Backbone Network with some routers. Indicate your answers in the RFP with "Compliant", "Partially Compliant" or "Not Compliant".

RFP Questions

[After a few questions of line cards, chassis, redundancy, etc]

23) Does it support IPv6?

[More questions about QoS, Multicast and SNMPv3]

RFP Approach B

Company B
RFP for IP Backbone Network

Objective of the RFP

Company B is the Big Brother in telecommunications and wants to update its IP Backbone Network with some routers. Indicate your answers in the RFP with "Compliant", "Partially Compliant" or "Not Compliant" taking into account that we like to ask a lot of questions.

RFP Questions

[After thousands of questions of line cards, chassis, redundancy, X.25 and support for AppleTalk]

13092) Does it support IPv6 in dark rooms?
13093) Does it support IPv6 when the light is on?
13094) Does it support IPv6 in the morning with the light off?
13095) Does it support IPv6 encapsulated in IPv6 for transport over Avian Carriers?
13096) Does it support Scenic Routing for IPv6 packets?
13097) Please declassified your patents and tell us if you support RFC1 to RFC8000 including expired drafts.
[More questions about QoS, Multicast, SNMP, dwarf stars and cosmic voyages into the infinitum]

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- "...a simple check-box in an RFx isn't enough."
- "What you need 'IPv6 support' to mean is full feature parity with your existing [...] products and services."
- "Once you find a product or service that meets your needs on paper, lab testing and limited launches [...] will help ensure that you aren't bitten by this myth."

Source: http://www.internetsociety.org/deploy360/blog/2015/03/ipv6-security-myth-8-it-supports-ipv6/ by Chris Grundemann.

Requirements for IPv6 in ICT Equipment

- [RIPE-554](#)
- "It can serve as a template that can be used by governments, large enterprises and all other organisations when seeking IPv6 support in their tenders or equipment requirements and offer guidance on what specifications to ask for."
- Publication date: 04 Jun 2012

IPv6 Node Requirements

- RFC6434

- "This document defines a minimal level of requirement needed for a device to provide useful internet service and considers a broad range of device types and deployment scenarios."

- Publication date: December 2011

IPv6 is not for an isolated device only

- Not only routers, switches, firewalls.
- Other Systems are Affected:
  - Network management systems
  - Service delivery
  - Service fulfillment, including the network inventory, activation and provisioning
  - Service assurance
  - Customer care

QUESTIONS?