RIPE-554bis

Here we are again...
In case you missed it...

- RIPE-554 is a template / guideline for procurement of IPv6-capable hardware and software

- Used world-wide
  - Several governments have translated it and incorporated it into their own procurement rules
  - Has encouraged vendors to implement the features considered important by the RIPE community

- Became quite successful
How it was created

- Started by Jan Žorž and Go6.si as guidelines for the Slovenian government

- Translated from Slovenian to English and published as RIPE-501 in November 2010

- After that expanded and updated by the RIPE IPv6 Working Group and published as RIPE-554 in June 2012
And here we are again

- RIPE-554 is two years old
- Things have evolved
  - New standards / RFCs
  - More experience
- Bugs in RIPE-554
  - RIPE documents can't be changed after publication
Bug-fixes

• RIPE-554 contains:
  • Requirements for enterprise/ISP grade "Layer 2 switch" equipment
    • Router Advertisement (RA) filtering [RFC4862]

• But RFC4862 is 'IPv6 Stateless Address Autoconfiguration'...
Bug-fixes

- RFC3140 (QoS: Per Hop Behavior Identification Codes) is required by RIPE-554

- But this is an operational choice, not a requirement that applies to procurement

- Even the author of RFC3140 says it shouldn't be in RIPE-554...
New or missing RFCs

• These might be appropriate:
  • RFC4038: Application Aspects of IPv6 Transition
  • RFC6583: Operational Neighbour Discovery Problems
  • RFC6620: FCFS SAVI: First-Come, First-Served Source Address Validation Improvement for Locally Assigned IPv6 Addresses
  • RFC6946: Processing of IPv6 "Atomic" Fragments
Broaden scopes

• Current text:
  • "Any software that communicates via the IP protocol"...

• But what about code that stores addresses, parses logs etc?

• Should it be more like:
  • "Any software that uses or handles IP addresses"... ?
Broaden scopes

- RIPE-554 gives guidance about hardware and software
- How about services?
  - Connectivity
  - Hosted services
  - Other cloudy stuff
Proposed generic text

• Contains advice on text to include in the tender:
  • "All ICT hardware as subject of this tender must support both the IPv4 and IPv6 protocols. Similar performance must be provided ..." etc.

• Is this useful in this document?
Lots of work to do

• We're tracking issues, suggestions and comments
  • https://git.steffann.nl/go6/ripe-ipv6-requirements/issues
  • Let us know if something needs to be added!

• All communication through the IPv6 WG mailing list
  • The co-authors will guide the discussion
  • ipv6-wg@ripe.net
  • http://www.ripe.net/mailman/listinfo/ipv6-wg/
Victims Co-authors

Any volunteers to expand this group?
This is a **working** group

• Any comments at this point?
• We will take the discussion to the list
  • Comments are more than welcome
  • Improved text even more :)


Thank you!