# 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
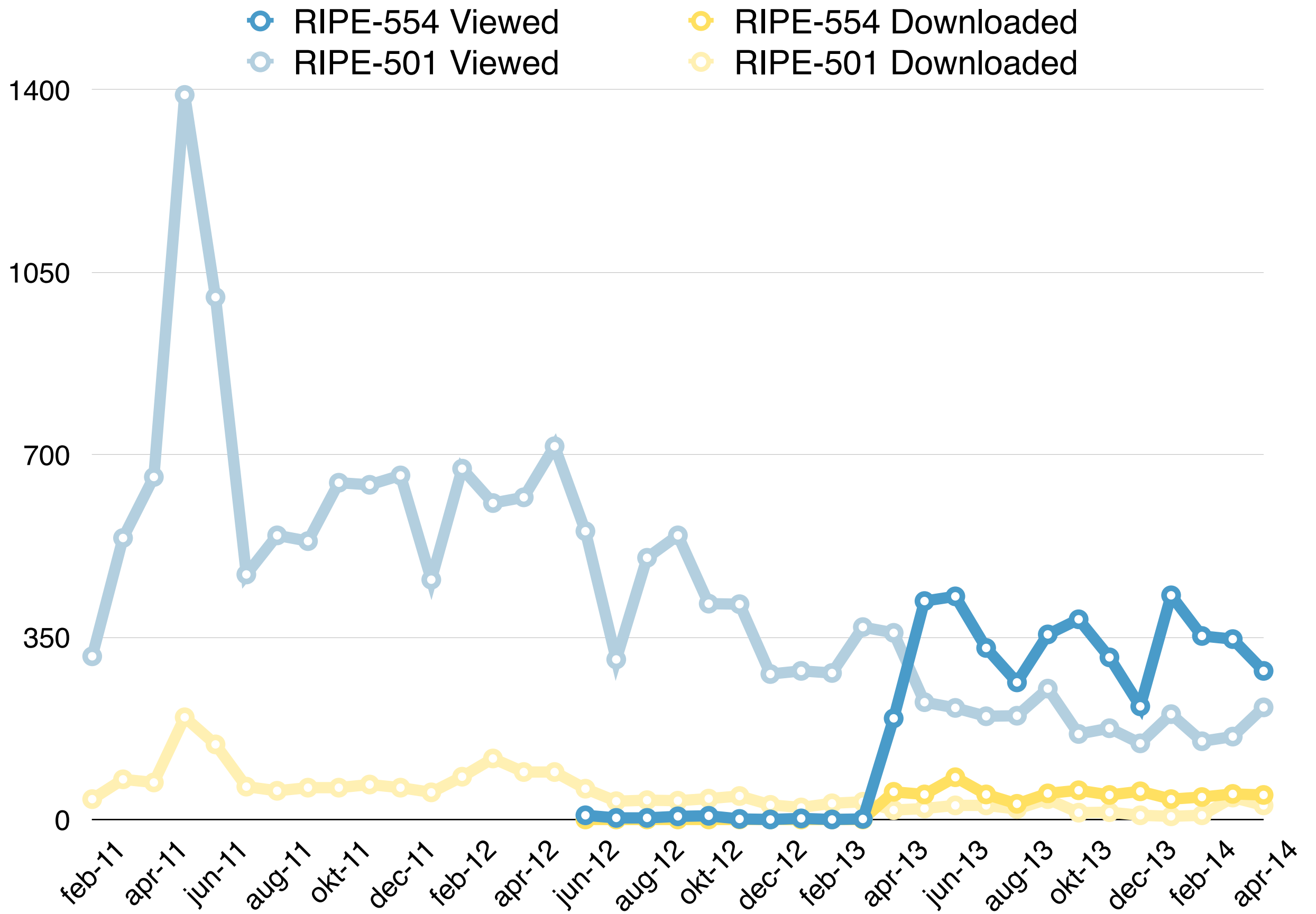
How it was created

- 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 <u>working</u> 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!