Registration Services Feedback

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The Goal of This Update

- To report back to the RIPE community:

  - The feedback we receive from LIRs

  - Highlighting potential problem areas

- Asking for guidance on these topics

- Providing input to the community for policy discussion

Agenda

- The outcome of past topics

  - Re-assignment of returned but referenced AS Numbers

  - Changing status from PI to PA

  - Transfer of PI addresses

- New topics

  - Transfer of IPv6 addresses and AS Numbers

  - Returning IPv6 PI for LIRs

  - Reassigning future returned but referenced AS Numbers

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Re-assignment of Returned AS Numbers

- The RIPE NCC has ± 2,000 returned but referenced 16-bit AS Numbers

  - Because they are referenced, these AS Numbers are currently not being reassigned

- At RIPE 67 and on the APWG mailing list, you gave us a mandate to clean these references

- Actions taken

  - Sent four emails to contacts of referencing objects, asking to delete the reference (± 200 references deleted as a result)

  - RIPE NCC will remove the remaining references

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Changing Status From PI to PA

- We received an increasing number of requests to change PI assignments into PA allocations for:
  - Organisations that received PI addresses before becoming LIRs
  - LIRs that have taken over organisations with PI addresses
- At RIPE 67 and on the APWG mailing list, you gave us a mandate to allow the status change for LIRs
- Actions taken
  - Procedure now in place for PI blocks equal or larger than the minimum allocation size
  - ±40 requests processed since 24 March 2014

Transfer of PI Addresses

- We noticed a sharp increase in requests for transfers of PI address blocks

- Policy does not support transfers of PI address space

  - There was concern that this barrier would stop PI holders from maintaining a current and accurate RIPE Registry

- Actions taken

  - RIPE community policy proposal to allow for transfers of PI addresses

New Topics

Transfer of IPv6 Addresses and AS Numbers

- RS receives an increasing number of requests to transfer all resources from one LIR to another

  - IPv4 allocations can be transferred

  - IPv6 allocations and AS Numbers cannot be transferred

- RIPE Policy does not envisage IPv6 and AS Number transfers

- IPv6 and AS Numbers are often being used, therefore not being able to transfer them is an issue for the receiving LIR

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Returning IPv6 PI for LIRs

"If an organisation already received a PI assignment before becoming an LIR, the PI assignment should be returned upon receiving an IPv6 allocation if there are no specific routing requirements to justify both."

http://www.ripe.net/ripe/docs/ripe-589#IPv6_PI_Assignments_LIR

Returning IPv6 PI for LIRs

- The RIPE NCC receives requests from LIRs for an IPv6 allocation

  - LIR has an IPv6 PI assignment

    - The assignment is in use

    - There is no different routing policy to justify both

- IPv6 assignment must be returned

  - 22 IPv6 PI assignments returned since 2013

Re-assignment of Future Returned AS Numbers

- AS Numbers are constantly being returned to the RIPE NCC
  - When referenced, these are not being re-assigned
  - Asking organisations to clean references does not work...
- Two possible options
  1. RIPE NCC starts issuing referenced AS numbers
  2. RIPE NCC contacts organisations asking to clean reference, if not done within 2 weeks the RIPE NCC removes the reference

To Keep You Updated

- LIRs are sometimes closed for non payment

    - Their resources are then being deregistered, including their /22 from the last /8

- If an LIR re-opens (no matter after how long) the RIPE NCC is re-allocating a /22 to the LIR

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