

Registration Services Feedback

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Goal of this update

- Reporting to the RIPE community
 - Feedback RS receives from LIRs
 - Potential problem areas RS spots
- Receive guidance on these topics; and / or
- Provide input to the community for policy discussion

Topics

- Re-assignment of referenced AS numbers
- Changing status from PI to PA
- Transfer policy experience

Re-assigning referenced AS numbers

- RIPE NCC has ± 1400 returned, but referenced 16-bit AS numbers
 - Accumulated over the years, number increased during 2007-01 phase 3
- These AS numbers are referenced in route objects and “import” & “export” lines in other aut-num objects
- Because referenced, these AS numbers are currently not being reassigned

Re-assigning referenced AS numbers

- Potential solutions
 - A. Not reassign referenced AS numbers
 - B. Reassign AS numbers even if referenced
 - C. Clean up the RIPE Database from references and then reassign the AS numbers
 - I. 'Silent' update; or
 - II. Informing the object holder of the update

Changing status from PI to PA

- RS receives an increasing number of requests to turn PI assignments into PA allocations
 - LIRs that received PI addresses before becoming members
 - LIRs that have taken over end-user organisations who have PI addresses
- Reasons for requests
 - Scarcity of IPv4 addresses is reason for network restructuring
 - Need for increased flexibility of address space use (customer assignments, transfers etc.)

Changing status from PI to PA

- Only reference in policy “*The use of PA address space should always be recommended*” (ripe-582 section 8.0)
But this sentence is somewhat taken out of context...
- Potential solutions
 - A. Allow LIRs to change the status of their PI assignments into PA allocations (if equal or larger than minimum allocation size)
 - B. Do not allow LIRs to change the status of their PI assignments into PA allocations

Transfers of assigned address space

- Transfers can happen according to
 - Mergers and acquisitions; or
 - Transfer policy:

“Any LIR is allowed to re-allocate complete or partial blocks of IPv4 address space (...) Such address space must not contain any block that is assigned to an End User”

Section 5.5

“IPv4 Address Allocation and Assignment Policies for the RIPE NCC Service Region”

Transfers of assigned address space

- This seems to cause a problem to organisations that:
 1. Received a PA assignment from an LIR
 2. Use the address space in their network
 3. For their customers
 4. Become an LIR themselves
 5. Want to transfer this address space to their own LIR
- It is not a merger or acquisition
- It does not fit within current policy because address space is assigned

Questions?

