

#### RIPE NCC Operational Update

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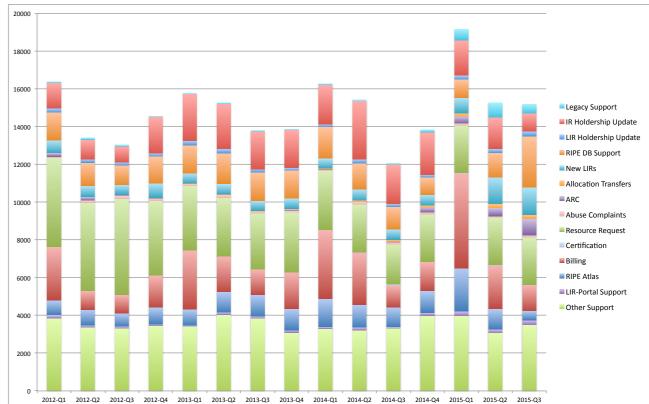


# Operational Statistics And Trends

#### **Operational Teams Ticket Volume**



- Membership growth
- Succeeded in stabilising overall ticket load
- Efficiency gain and process improvements
- Shift in ticket categories e.g transfer tickets and fraudulent cases
- Increase in complexity



#### Improved LIR processes



- New membership process
  - All relevant information requested upfront, shortening the process
  - RIPE Database objects are created for new members
- Number resource request forms
  - Streamlined request forms
  - API for automation
- Further integration of services, creating seamless processes
  - e.g. single sign-on improvements

#### **Operational Improvements**



"Make it easier for people to update and have a more user friendly interface"

- RIPE DB object creation in IP Analyser
- New maintainer password reset function

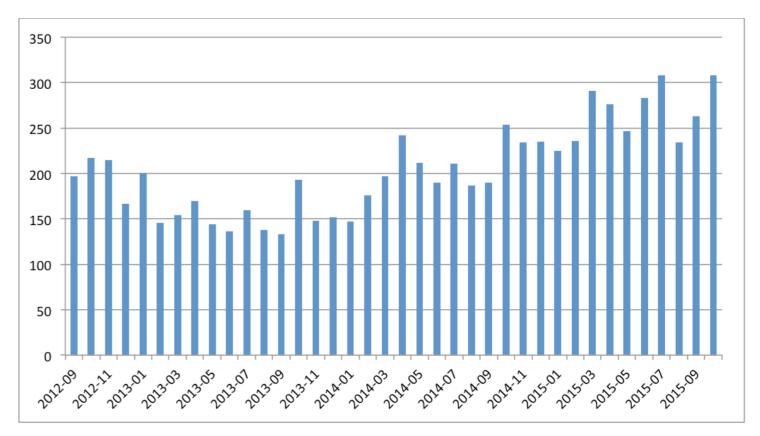
"Properly document transfers that have taken place"

• All transfer statistics accessible via one page

#### Allocations from the last /8



- Initial intent: /22 for new entrants and facilitate IPv6 adoption
- Strong correlation with membership growth
- Increase of non traditional LIRs
- ~ 60% existing members with /22



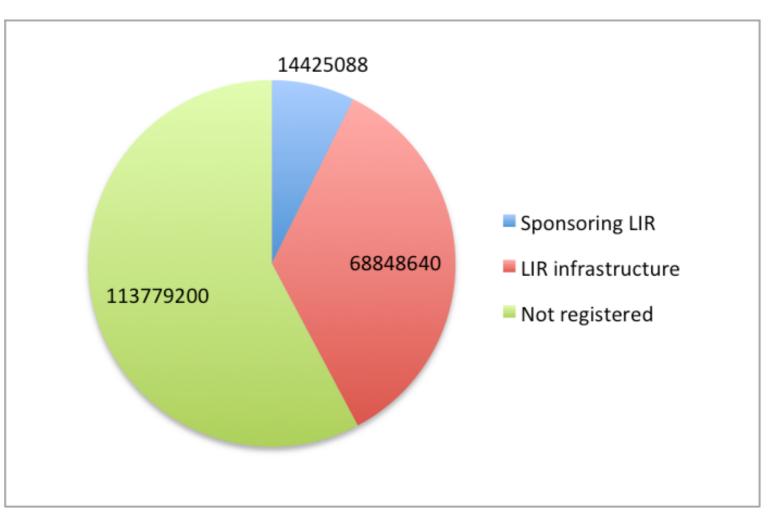
#### Legacy policy implementation



- ± 4,700 total legacy resources
  - ± 4,000 IP blocks and 700 ASNs
  - 197,052,928 IP addresses (/5,/7,/8+)
- All legacy holders contacted
  - for ± 400 resources emails bounced
  - for ± 1,500 resources no answer
  - for ± 800 resources 'no interest (yet)' in contractual relationship declared
  - for ± 2000 resources in contact with organisation

#### Legacy policy results

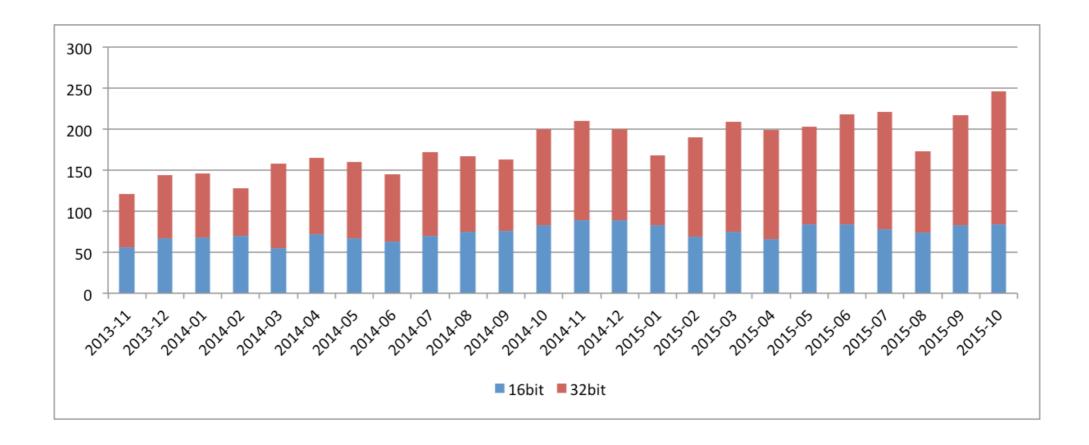




- 43% of all legacy address space registered in the region is under contractual relationship
  - This percentage may however change, as the contract can be cancelled at any time and several holders still discussing

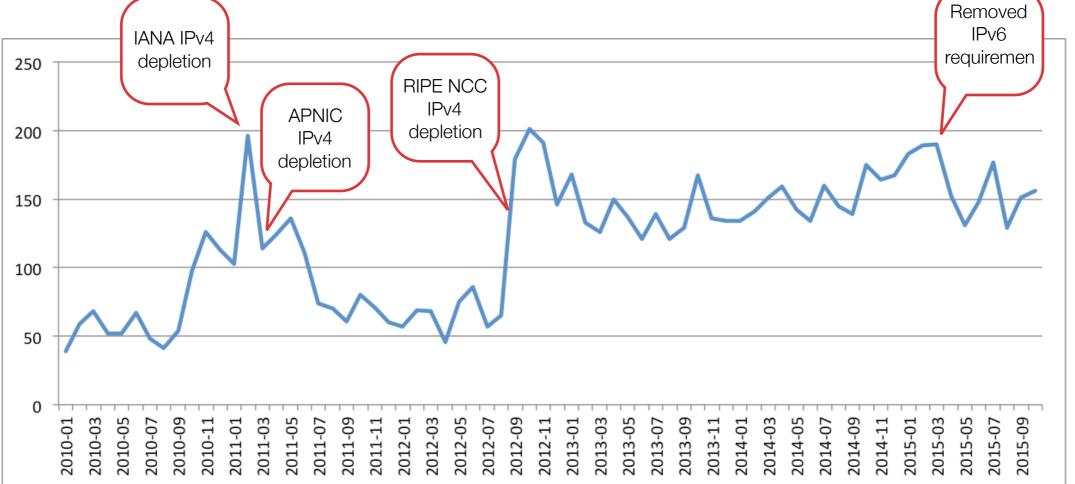
#### **ASN Assignments**





- This month RIPE NCC will start issuing referenced ASNs
- Current 16 bit ASN pool size ~ 2900

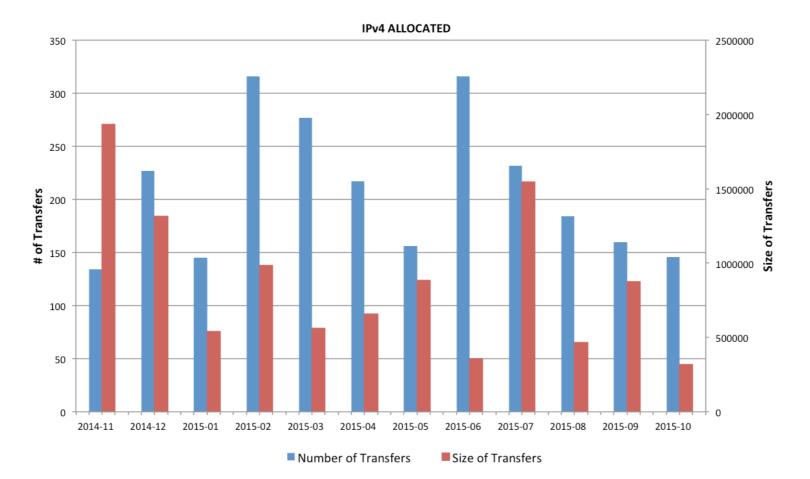
#### **IPv6 Allocation Trend**



- Stable amount of IPv6 requests per months
- 10.000 allocations issued
- ~ 75% of members with an IPv6 allocation

#### **IPv4 Allocation Transfers**

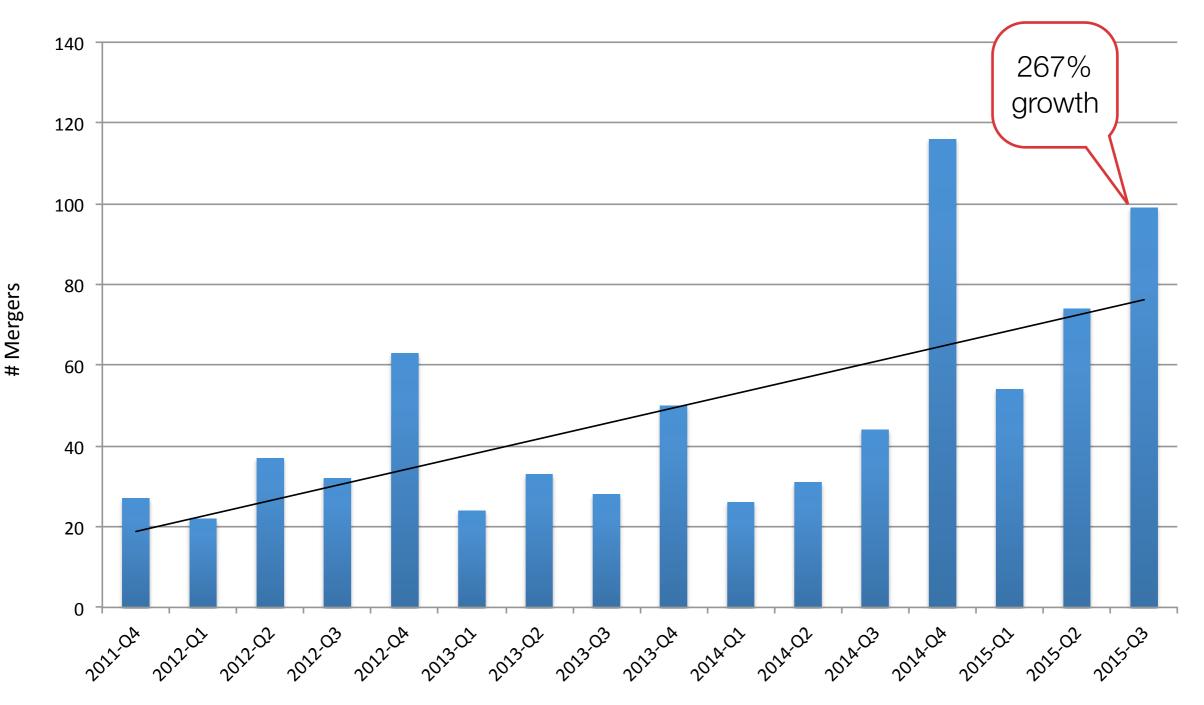




#### Average of ~ 200 transfers a month

#### Two official inter-RIR transfers in progress

#### Mergers, Acquisitions, Consolidations 😥



#### **Resource Transfer Process**



- Working on transfer, merger and acquisition process
  - Reduces the number of transfer types
  - Simplifies the process through a wizard
  - Reduces paperwork for LIRs
  - Makes it easier to maintain an accurate and current registry
- Balance securing member resource holdings and making it easier to transfer resources

## **Resource Registration Hijacking**



- Increased effectiveness of RIPE NCC processes
  - Reviewed due diligence in processes
  - Improved maintainer reset process
  - Educating resource holders how to protect their resources
- Number of investigations since November 2014
  - Ongoing 51 cases
  - Finalised 45 cases

#### **Disputed Transfers and LIR Accounts**

- Disputed Transfers
  - Outdated contact information
  - "LIR Contact was no longer working at the company"
- Hijacked/ Disputed LIR Accounts
  - LIR contact removing other LIR contacts
  - LIR accounts opened on behalf of unaware organisations
- LIR account closed due to fraudulent SSA and company registration papers

## **Assisted Registry Check (ARC)**



"One of the RIPE NCC's key responsibilities is to maintain the accuracy and quality of the RIPE Registry"

- RIPE NCC's existing audit activities that have been improved with feedback from members and the RIPE community
  - Maintain the periodic contact and reduce workload for LIRs

1750 LIRs supported so far			
LIR Portal administrator privileges	331	Independent resource registrations	116
LIR contact details	790	Maintainer password recovery	87
LIR resource registrations	749	Transfer questions	297
Routing consistency	330	IPv4 policy questions	873
rDNS consistency	396	IPv6 policy questions	652
Billing issues	109	etc.	



# Questions



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