

# RIPE NCC ENUM Update

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# New department

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- Global Information Infrastructure – short GII
  - Consolidate IT services operated outside the RIPE NCC network
- Services
  - DNS
  - TTM
  - DNSMON
  - INRDB
  - RIS
  - Storage and Analysis Infrastructure

# DNS Services

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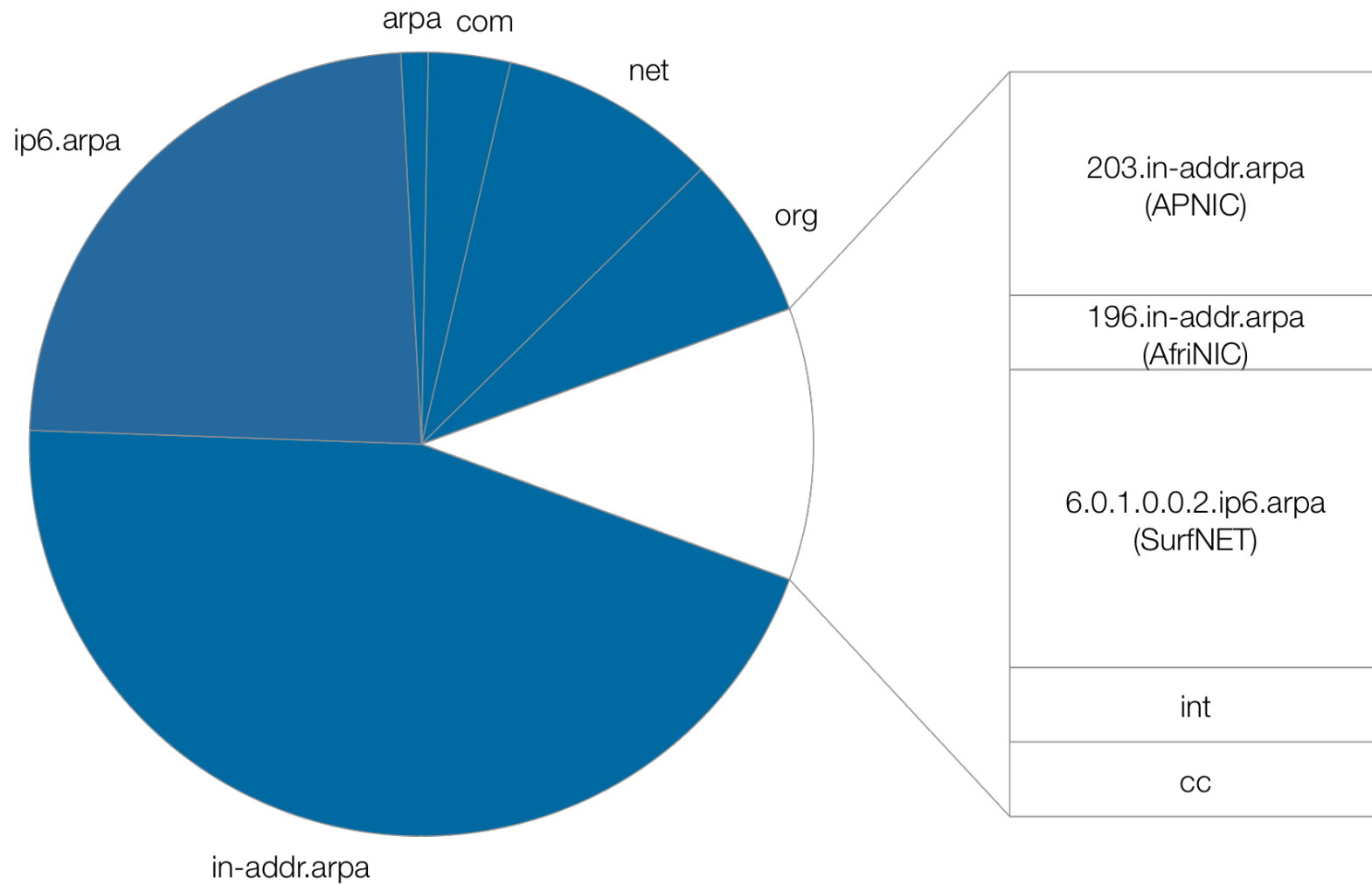
- Reverse DNS for RIPE NCC zones
- Secondary for other RIRs
- K-root
- F-reverse (in-addr.arpa & ip6.arpa)
- Secondary DNS for ccTLDs
- ENUM Tier-0 (e164.arpa)
- AS112 node at AMS-IX (RFC1918 space sink)

# Anycast Cluster (AS197000)

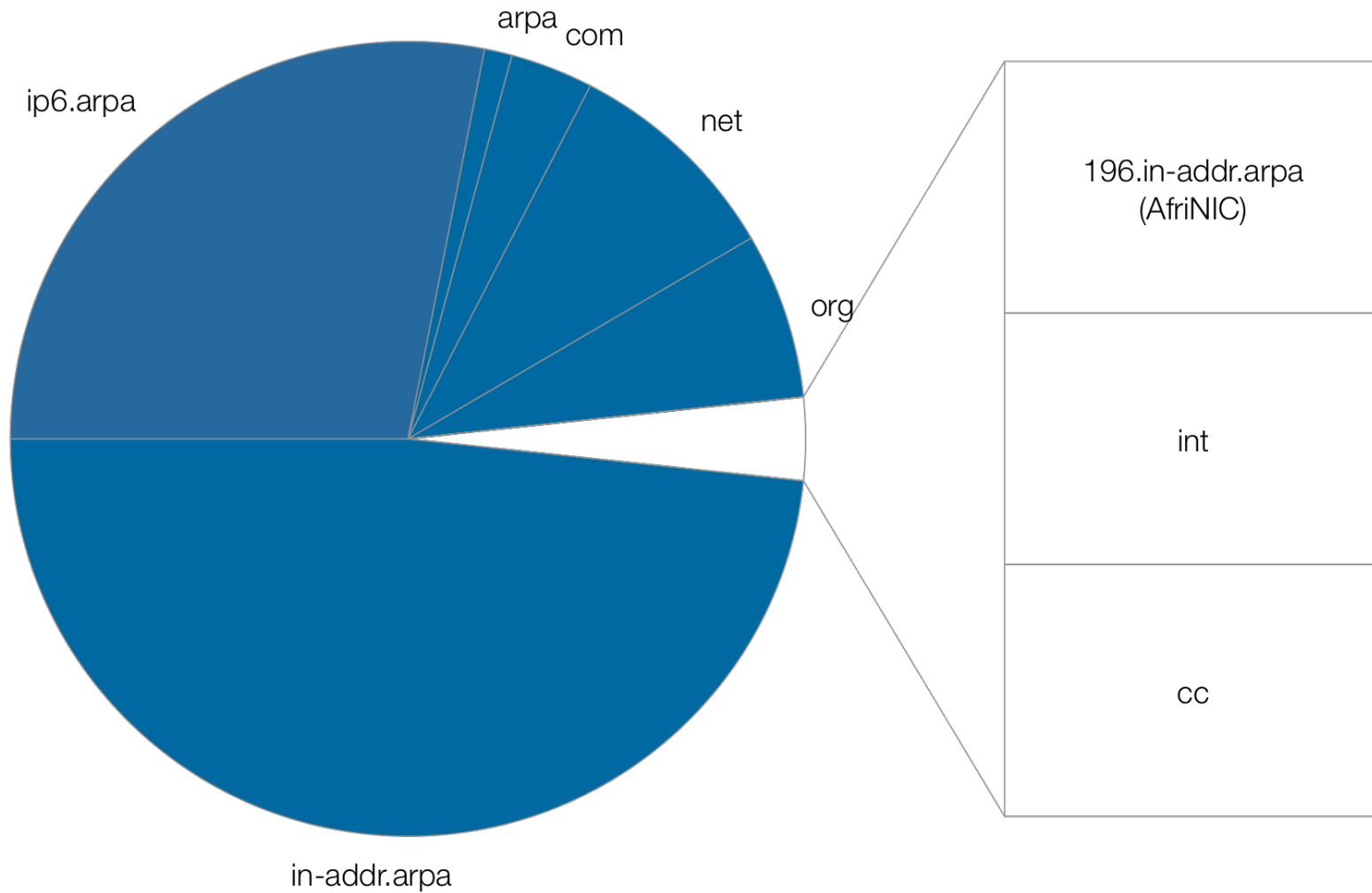
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- Two anycast instances operational
  - London (LINX) & Amsterdam (AMS-IX)
- Production for critical zones
  - in-addr.arpa (Reverse IPv4 parent zone)
  - ip6.arpa (Reverse IPv6 parent zone)
  - IPv4 and IPv6 reverse parent zones
    - Primary for RIPE NCC
    - Secondary for other RIRs
  - RIPE NCC forward zones (ripe.net, etc.)

# DNSSEC: Signed Parents



# DNSSEC: Signed Parents (by late 2011)



# Delegation Updates

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- One new delegation since RIPE 62
  - Qatar (+974) in July 2011

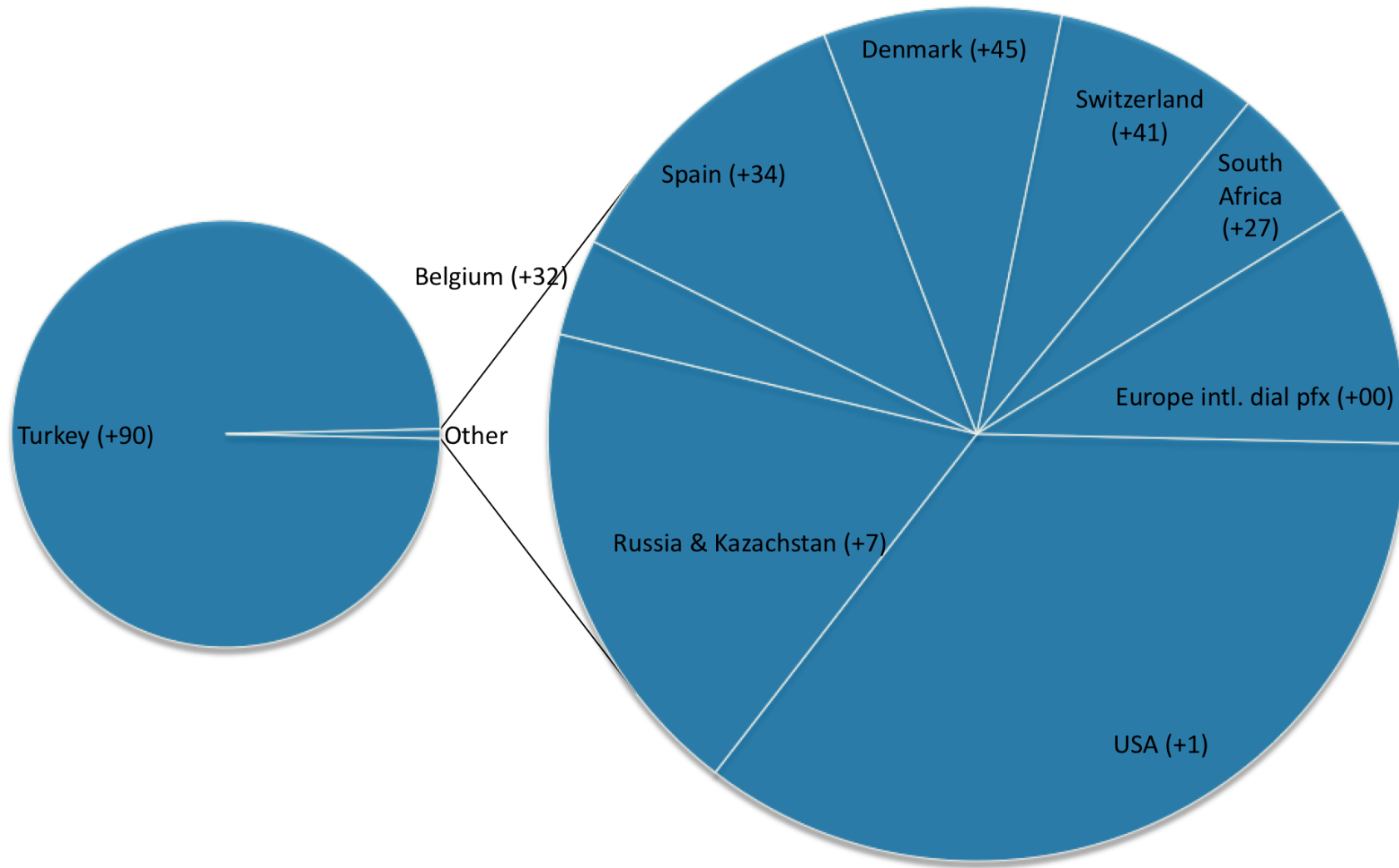
# Signed Zones

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- Poland (+48)
- Czech Republic (+420)
- Netherlands (+31)
- Lithuania (+370)
- Armenia (+374)
- Portugal (+351) – No DS record in e164.arpa yet

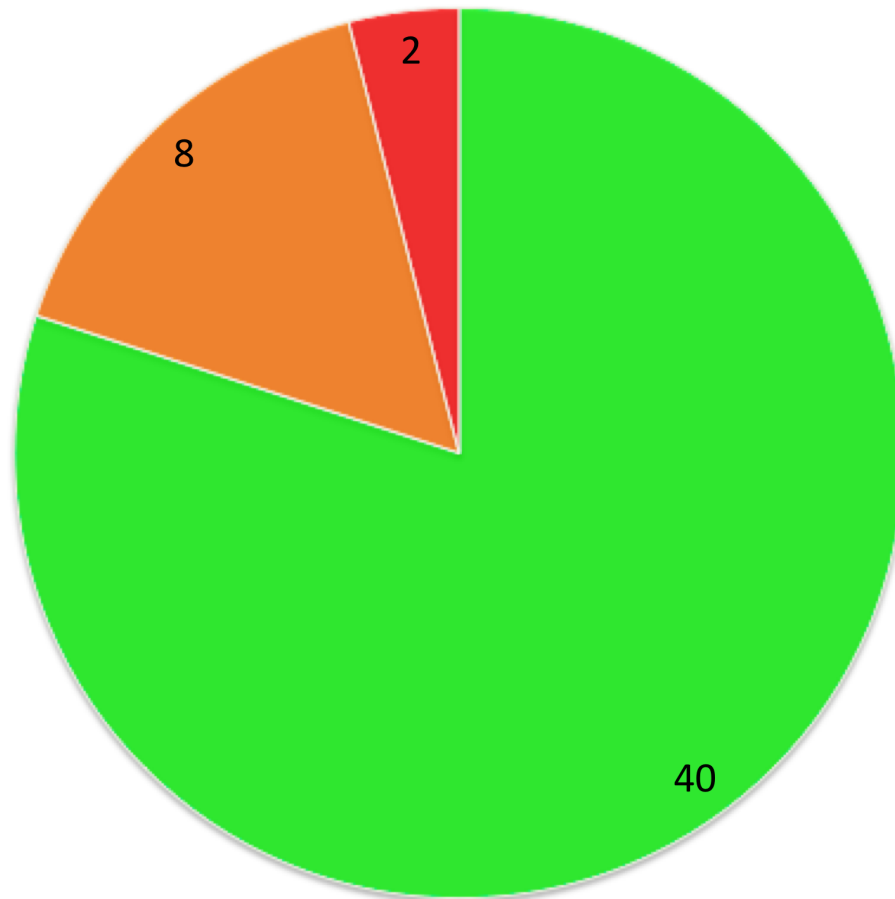


# Top 10: Undelegated Country Codes



# Lameness in ENUM zone

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- Not Lamé
- Partially Lamé
- Lamé

# Questions?

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