



RIPE NCC ENUM Update

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Operational overview

- RIPE NCC has operated the e164.arpa zone since 2002
- Master server (ns-pri.ripe.net) at the NCC, and five secondaries
- Provisioning done through the RIPE database



Changes in delegations since RIPE 55

- Jan 2008: +255 added (Tanzania)
- Feb 2008: +386 added (Slovenia)
- Feb 2008: +1 removed (USA)

Current total: 45 delegations



DNSSEC introduction timeline

- Jul 2007: RIPE NCC makes a proposal to IAB about its intention to sign the ENUM zone
- Jul 2007: IAB informs the ITU
- Aug 2007: IAB endorses RIPE NCC's proposal
- Sep 2007: RIPE NCC announces its plans to DNS-WG and ENUM-WG
- 26 Nov 2007: RIPE NCC signs the e164.arpa zone
- 25 Mar 2008: RIPE NCC begins accepting secure delegations



Secure delegation requests

- Key Signing Key (KSK) published at:
<https://www.ripe.net/projects/disi/keys>
- Request by updating the **domain** object in the RIPE database with a 'DS-RDATA' attribute
- Detailed procedure available at:
<http://www.ripe.net/enum/update-delegation.html>



Current status

- Two signed zones
 - ✓ +48 (Poland)
 - ✓ +420 (Czech Republic)

- One secure delegation
 - ✓ +48 (Poland)



DNSMON for ENUM

- Proposal by Ondřej Surý at RIPE 55 to allow DNSMON to monitor tier-1 ENUM zones
- Proposal discussed in detail within the RIPE NCC Services Working Group
- RIPE 429 published on 17 April 2008
- Tier-1 ENUM zone operators have begun subscribing to this service, e.g. 9.4.e164.arpa



Questions?

