Action 67.1 Ad-hoc Group Report

RIPE NCC DNS Secondary Service

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The RIPE NCC provides DNS coordination and support activities as well as reverse DNS services for the IPv4 and IPv6 address space that it manages. For reverse DNS associated with the address space managed by other RIRs, the RIPE NCC provides secondary DNS to support the reliability of reverse lookups. The scalability of the DNS infrastructure for secondary, reverse and primary DNS services is improved based on the requirements specific to each of these services.
The RIPE NCC offers a secondary name service to the other RIRs, along with some country code Top-Level Domain (ccTLD) operators, who are in the start-up phase of their operations. The RIPE NCC no longer provides this service to well-established ccTLDs.

In 2014, the RIPE NCC will work on clarifying its policy for hosting secondary ccTLD name servers, as well as developing documentation on the procedures and requirements for receiving the service.

Benefits for RIPE NCC members / RIPE community:
Supports the stability of the global DNS by offering a professional service to the other RIRs and developing ccTLD operators that require it.
DNS Secondary Service Guiding Principles

1. RIPE NCC should only provide secondary DNS for ISO3166 ccTLDs and IDN ccTLDs
2. RIPE NCC should exchange letters with ccTLD operators, to be renewed periodically
3. The agreement to provide secondary DNS will have a finite lifetime, to be reviewed along with the refresh letter
4. Eligibility criteria to be used by the RIPE NCC:
   - size of zone (number of registrations)
   - number and diversity of other name servers
   - usage of commercial DNS/name service

5. Eligibility criteria will be applied no earlier than 2 years from $NOW for ccTLD operators who currently receive secondary DNS service from the RIPE NCC

6. Additions and removals will be reported
ACK

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