

Request to Arbiters

The RIPE NCC has requested to assign an Autonomous System (AS) Number to itself for its DNS services. This AS Number will be used to announce a prefix that holds the in-addr.arpa and ip6.arpa zones.

The IP Resource Analysts (IPRA) involved in the evaluation of this request were Elvis Velea and Mike Petrusha.

The RIPE NCC procedures were followed and the request passed all the checks presented in the procedures:

- Pre-checks: the request was sent by Anand Buddhdev. As RIPE NCC DNS Services Manager, he is authorised to send the request.
- Request form was complete, some additional questions were asked.
- All the other details in the request form were cross-checked with the relevant RIPE policies and RIPE NCC procedures.

The main points of the evaluation were:

- A new AS Number is required because this network will have a different routing policy. This is mainly because it will anycast two prefixes.
- The AS Number will be used to announce two prefixes that hold the ip6.arpa and in-addr.arpa zones.
- The request was for a 16-bit AS Number, as this is an operational service. Upon the recommendation of the arbiters, however, the DNS Services Manager reconsidered and requested a 32-bit AS Number.
- The RIPE NCC has, over time, assigned several AS Numbers to itself. However, none of these AS Numbers can be used due to the need for a different, unique routing policy. The AS Numbers already assigned to the RIPE NCC are:

AS3333 – used for the RIPE NCC infrastructure

AS2121 – used for the RIPE Meetings

AS25152 – used for the K-root server

AS12654 – used for RIS

AS49014 – assigned under the experimental policy for LISP trials

AS196615 – used as a 32-bit AS Number beacon by RIS

The official opinion of the IPRA is that this request is consistent with current RIPE policies and all other assignment/allocation guidelines.

Arbitration Panel Decision on AS Number Assignment to the RIPE NCC

Based on RIPE Policy Document ripe-476, "Allocating/Assigning Resources to the RIPE NCC", the arbiters have reviewed the AS Number request made by the RIPE NCC and the analysis provided by the IPRA analysts.

The arbiters observe that the RIPE NCC mentions that a 16-bit AS Number would be required but recommends the assignment of a 32-bit AS Number. The RIPE NCC has taken the arbiters' considerations into account and will, upon their recommendation, assign and use a 32-bit ASN.

The arbiters approve the request, taking into account the following arguments:

- The AS Number will have a different routing policy, following from the fact that it will announce an anycasted prefix.
- A 32-bit AS Number will be assigned.

The decision of the arbiters is unanimous.

The list of arbiters and information on the arbitration process is available at:
<http://www.ripe.net/membership/arbitration.html>