

# RIPE NCC Request to Arbiters Panel for IPv6 Allocation

12 October 2022

The RIPE NCC has requested the assignment of an IPv6 allocation to use for its own infrastructure. The RIPE NCC intends to make assignments from the allocation, in particular, to use this address space within its Amazon AWS cloud infrastructure.

This request was evaluated, internally escalated, and approved by the RIPE NCC Registration Services department. The request was approved by the RIPE NCC Registration Services department based on the following:

- The request was submitted by an authorised representative of RIPE NCC Information Technology department.
- The request was confirmed by the RIPE NCC Information Technology department manager.
- According to "Allocating/Assigning Resources to the RIPE NCC" policy, <https://www.ripe.net/publications/docs/ripe-635>

*All policies set for allocating or assigning resources to LIRs apply equally to the RIPE NCC.*

*The RIPE NCC as a resource holder must fulfil the same basic requirements also expected of normal LIRs, such as returning unused resources.*

*For the purpose of evaluating, the request will be treated as if it were filed by a regular LIR.*

Based on the "Allocating/Assigning Resources to the RIPE NCC" policy, the RIPE NCC is treated on par with (one) regular LIR.

- While the RIPE NCC currently holds several IPv6 PI assignments, it does not have an IPv6 allocation. Therefore, the IPv6 allocation request is treated as an initial allocation of IPv6 address space.
- According to the IPv6 Address Allocation and Assignment policy, [https://www.ripe.net/publications/docs/ripe-738#initial\\_allocation](https://www.ripe.net/publications/docs/ripe-738#initial_allocation)

*To qualify for an initial allocation of IPv6 address space, an LIR must have a plan for making sub-allocations to other organisations and/or End Site assignments within two years.*

*LIRs that meet the initial allocation criteria are eligible to receive an initial allocation of /32 up to /29 without needing to supply any additional information.*

- The RIPE NCC has confirmed its plans of making End Site assignments within two years, namely an End Site assignment will be made to its Amazon AWS cloud infrastructure. The RIPE NCC is planning to make other IPv6 assignments in the future as well, for equivalent "bring your own IP" solutions services of other cloud providers.

- The IPv6 policy does not require a minimum number of assignments to be made and therefore, based on the demonstrated plan of making an End Site assignment and considering that the RIPE NCC for this request is treated as a regular LIR, the RIPE NCC is eligible to receive an initial allocation of up to /29 without needing to supply any additional information.
- The requested allocation size of /29 is within the policy and no additional evaluation is required by the policy for this size.
- The RIPE NCC has confirmed that the /29 allocation is requested for the internal network of the organisation, and it will be used for the needs of all departments.
- The RIPE NCC is currently uses several IPv6 PI assignments. According to the IPv6 policy, their presence and use do not affect an LIR's eligibility for an IPv6 allocation. All existing IPv6 PI assignments held by the RIPE NCC and their current uses are listed below:

IPv6 Assignment	Use
2001:7fd::/32	DNS K-root server
2001:7fb::/32	RIS beacons
2001:67c:e0::/48	DNS infrastructure
2001:67c:2e8::/48	RIPE NCC core services
2001:67c:2d7c::/48	Global Information Infrastructure department
2001:67c:64::/48	RIPE Meetings

Based on the above, the RIPE NCC Registration Services finds the request to be consistent with current allocation guidelines.

According to the "Allocating/Assigning Resources to the RIPE NCC" policy, <https://www.ripe.net/publications/docs/ripe-635>

*This opinion is evaluated by a majority of the pool of arbiters (of which there is an odd number), who are entitled to approve the request only if the IPRA team find that the request is consistent with current rules.*

*Both the IPRA recommendation and the reasoning of the pool of arbiters will be announced publicly. For the purpose of evaluating, the request will be treated as if it were filed by a regular LIR.*

The RIPE NCC, therefore, would like the pool of arbiters to evaluate this request in accordance with the relevant policies.

## **Arbiters Panel Response to RIPE NCC IPv6 Allocation Request**

**31 October 2022**

Dear All,

On behalf of the Arbiters Panel, as the Arbiter whose name appears at the top of the list, I would like to confirm approval of the request by the RIPE NCC for this /29 IPv6 allocation for the internal network of the RIPE NCC.

The reasoning of the Arbiter's panel is further outlined below:

*As ripe-635 requires, the pool of arbiters has to evaluate allocation/assignment requests for the number of resources used by the RIPE NCC.*

*All arbiters have reviewed the request by the RIPE NCC for the allocation of this IPv6 resource for the internal network of the RIPE NCC. The request was reviewed for compliance with every assignment and allocation policy section. There was consensus among the arbiters that the request is consistent with policy.*

*Based on the decision by the pool of arbiters, the RIPE NCC has received the approval for a /29 IPv6 allocation.*

Best regards  
Alireza Ghafarallahi