Supporting Notes for the Initial IPv6 Allocation Request Form in the RIPE NCC Service Region

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Obsoletes: ripe-195
See also: ripe-246, ripe-247

Contents

Introduction

This document contains the supporting notes for the set of templates to be used when submitting an "Initial IPv6 Allocation Request Form".

The set of clean templates provided in the RIPE document "Initial IPv6 Allocation Request Form in the RIPE NCC Service Region" at:

http://www.ripe.net/ripe/docs/ipv6-initial.html

Warning:
Requests sent to the RIPE NCC that lack a proper Registry Identifier (**X-NCC-RegID**) will be returned to the sender. Please include the Registry Identifier in the header of the message or at the top of this form. Additionally, modifying the templates is likely to delay the request.

Supporting Notes for the Request Form Templates

X-NCC-RegID:

The Registry Identifier must be included in every message sent to <hostmaster@ripe.net>. It is used to identify the Local Internet Registry (LIR). More information about the Registry Identifier can be found in the RIPE document "Guidelines for Setting Up a Local Internet Registry at the RIPE NCC" at:

http://www.ripe.net/ripe/docs/new-lir.html

#[OVERVIEW OF ORGANISATION TEMPLATE]#

Q1: Please provide a short description of the organisation requesting the IPv6 address space.

Q2: Is this IPv6 request for the entire organisation or will other parts of the organisation also be requesting an allocation?

Q3: Will your organisation also be requesting (or do you already have) an IPv6 allocation from another Regional Internet Registry (RIR)?

Please note that an LIR can only request an allocation for itself and not on behalf of another organisation.

#[REQUESTER TEMPLATE]#

name:
organisation:
country:
phone:
fax-no:
e-mail:
nic-hdl:

Please enter the details of the registered contact at your LIR making the request.

#[IPv6 ALLOCATION USAGE PLAN]#

The requesting LIR must show that it plans to make 200 or more /48 assignments to End Users' sites within 24 months of receiving the allocated IPv6 address space.

Please provide a plan showing how you intend to use the IPv6 allocation. In your diagram please describe any allocations you intend to make and indicate where you expect to make /48 assignments to End Users.

Where an adequate explanation of the use of a segment cannot be given in the table below please title each segment and provide a detailed explanation below the table.

Prefix	**When Used**			
Length	Immediate	1yr	2yr	Description

It should also be noted that an LIR may assign a /48 per PoP as the service infrastructure of an IPv6 service operator. Each assignment to a PoP is regarded as a single assignment regardless of the number of users connected to the PoP. A separate assignment can be obtained for the in-house operations of the operator.

#[NETWORK TEMPLATE]#

```
inet6num:   *leave empty*
netname:    *leave empty*
descr:      Provider Local Registry
descr:      Name of LIR's organisation
descr:      (You can add extra descriptive comments
descr:      in additional "descr:" attributes if
descr:      you want to do so.)
country:    *specify the country*
admin-c:    *insert nic-handle of administrative contact*
tech-c:     *insert nic-handle of technical contact*
status:     *This is generated by the database itself*
mnt-by:     RIPE-NCC-HM-MNT
mnt-lower: *specify LIR mntner name*
notify:     *specify e-mail address*
changed:    hostmaster@ripe.net
source:     RIPE
```

Detailed information about the **inet6num** objects is available from the RIPE Database using the link below:

http://www.ripe.net/perl/whois?-vinet6num

The "inet6num:" attribute value (the IPv6 network prefix) should be left blank. It will be chosen by the RIPE NCC from the available IPv6 address space allocated to the RIPE NCC by the Internet Assigned Numbers Authority (IANA).

The "netname:" will always be selected by the RIPE NCC. LIRs cannot select their own netname for the inetnum describing their allocation. However, they must select their own netnames for any assignments they register as **inet6num** objects in the RIPE Whois Database.

The "descr:" attributes will always indicate that this network is allocated to a Provider LIR. However, the LIR can add additional "descr:" attributes that will be included in the object entered into the RIPE Database.

The "country:" attribute describes the country or countries the network will operate in. If the network is multinational a "#" can be used to allow multiple country codes to be listed using a single "country:" attribute.

The "admin-c:" and "tech-c:" are the contacts for the allocation at the LIR. For more information please refer to the supporting notes of the IPv4 address space request form found at:

http://www.ripe.net/ripe/docs/iprequestsupport.html#toc12

If the LIR has a **role** object it might want to reference this in the "admin-c:" and "tech-c:" attributes. **Role** objects are an efficient way of managing contact information for groups of people.

The "status:" attribute will be generated by the RIPE Database, so this attribute does not need to be filled in. The existing values are deprecated and the RIPE and APNIC communities are discussing replacement values. The discussion is archived at:

http://www.ripe.net/ripe/mail-archives/db-wg/20020401-20020701/msg00041.html

The "mnt-by:" attribute will always have a value of <RIPE-NCC-HM-MNT>.

The "mnt-lower:" attribute provides hierarchical authentication. They authenticate the creation of more specific **inet6num** objects under the allocation inet6num object preventing the unauthorised creation of objects.

It is essential that the LIR has their maintainer referenced in this attribute. Where the LIR does not already have a maintainer they should complete and include the maintainer template below. The RIPE NCC will then create the maintainer for the LIR and reference it in the **inet6num** object.

The "notify:" attribute should specify the e-mail address that will receive notifications of any changes made to the allocation **inet6num** object.

The "changed:" attribute will always be set to <hostmaster@ripe.net>.

All objects within the RIPE Whois Database have <RIPE> as a fixed value for the "source:" attribute.

#[MAINTAINER TEMPLATE]#

If you have already generated a maintainer, please reference it in the inet6num template above and do not complete the mntner template below.

```
mntner:
descr:
admin-c:
tech-c:
upd-to:
mnt-nfy:
auth:
remarks:
notify:
mnt-by:
changed:
source:
```

Detailed information about the **mntner** object is available from the RIPE Database using the link below:

http://www.ripe.net/perl/whois?-vmntner

#[PERSON TEMPLATE]#

If the person(s) are already in the RIPE Database, you do not need to fill out person templates for them here. It is enough to reference their nic-hdl in the **inet6num** object template for the allocation request.

```
person:
address:
address:
address:
e-mail:
phone:
fax-no:
mnt-by:
notify:
nic-hdl:
changed:
source: RIPE
```

Detailed information about the **person** object is available from the RIPE Database itself using the link below:

http://www.ripe.net/perl/whois?-vperson

#[ADDITIONAL QUESTIONS]#

1. IPv6 address space is allocated to LIRs according to policies set by the RIPE community.

It should be noted that, as stated in the IPv6 policy, IPv6 address space is not considered property. IPv6 address space is licensed for use rather than owned.

Please confirm that you have read the policy document "IPv6 Address Allocation and Assignment Policies" and agree to abide by it. The document can be found in the RIPE Document Store at:

http://www.ripe.net/ripe/docs/ipv6policy.html

2. Please provide a network diagram in PostScript or JPEG format showing your IPv6 network. It should indicate expected dates for completion of construction as well as how much IPv6 address space is expected to be used in each segment.

The diagram can be sent either as a MIME attachment with your e-mail to <hostmaster@ripe.net> or it can be faxed to +31-20-535-4445. If you choose to fax the diagram please place the ticket number you receive on the front page of the fax.

3. If your organisation has a web site detailing your planned IPv6 services, please provide the URL below:

#[TEMPLATES END]#

Example of a Completed Initial IPv6 Allocation Request Form

#[IPV6 ALLOCATION REQUEST]#

#[REGISTRY ID]#

X-NCC-RegID: nn.nowhere

#[OVERVIEW OF ORGANISATION TEMPLATE]#

Northern Nowhere Internet is an ISP serving the Christmastown Community in the barren wastes of the arctic north.
We are located in Christmastown and peer at the XMAS-IX.
We provide GPRS, Cable, DSL, Leased Line, Co-location and other Internet services.

Q1. Is this IPv6 request for the entire organisation or will other parts of the organisation also be requesting an allocation?

This request is for all of Northern Nowhere Internet.

Q2. Will your organisation also be requesting (or do you already have) an IPv6 allocation from another RIR?

Northern Nowhere Internet will only request an IPv6 allocation from the RIPE NCC.

Please note that an LIR can only request an allocation for itself and not on behalf of another organisation.

#[REQUESTER TEMPLATE]#

name: Santa Claus
organisation: Northern Nowhere Internet
country: NN
phone: +999 555 5555

fax-no: +999 555 5556
e-mail: santa.claus@nowhere.nn
nic-hdl: HOHO-RIPE

#[IPv6 ALLOCATION USAGE PLAN]#

Prefix	**When Used**			
Length	Immediate	1yr	2yr	Description
/44	X			Northern Nowhere Internet HQ plus PoPs in 7 arctic locations
/42		X		The elves will each get a /48 for their home networks
/38			X	Cable services in the area of Christmastown (IPv6 roll-out)

#[NETWORK TEMPLATE]#

```
inet6num:
netname:
descr:      Provider Local Registry
descr:      Northern Nowhere Internet
descr:      The Arctic's only IPv6-ready ISP
remarks:    We make Xmas "X" rated :-)
country:    NN # EG NL GB RU AE
admin-c:    HOHO-RIPE
tech-c:     HOHO-RIPE
mnt-by:     RIPE-NCC-HM-MNT
mnt-lower:  EXAMPLE-MNT
notify:     santa.claus@nowhere.nn
changed:    hostmaster@ripe.net
source:     RIPE
```

#[ADDITIONAL QUESTIONS]#

1. IPv6 address space is allocated to LIRs according to policies set by the RIPE community.

It should be noted that, as stated in the IPv6 policy document, IPv6 address space is not considered property. IPv6 address space is licensed for use rather than owned.

Please confirm that you have read the policy document "IPv6 Address Allocation and Assignment Policies" and agree to abide by it. The document can be found in the RIPE Document Store at:

http://www.ripe.net/ripe/docs/ipv6policy.html

We have read the IPv6 policy document and agree to it. We do not consider IPv6 address space as property.

2. Please provide a network diagram in PostScript or JPEG format showing your IPv6 network. Submission instructions can be found in the RIPE document "Supporting Notes for the Initial IPv6 Allocation Request Form in the RIPE NCC Service Region" at:

http://www.ripe.net/ripe/docs/ipv6-supp-initial.html

It should indicate expected dates for completion of construction as well as how much IPv6 address space is expected to be used in each segment.

We have sent a network diagram in JPEG format as a MIME attachment to this mail.

3. If your organisation has a web site detailing your planned IPv6 services, please provide the URL below:

Please see: http://xmas.nn/ipv6/itscoming.html

#[TEMPLATES END]#