Supporting Notes for the ENUM Request Form

RIPE NCC

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This document explains how to complete the ENUM Request Form .

The form and these supporting notes are based on the " IAB Instructions to the RIPE NCC Regarding Operation of the Domain e164.arpa ("ENUM") ",

Your request and all related communication will be publicly available at: http://www.ripe.net/enum .

Send your completed form to enum-request@ripe.net .

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Preparation

Before completing the request form, create the following objects in the RIPE Database.

1. Person/Role Object(s)

Person and **role** objects contain information about people. Each object has a unique NIC handle ("nic-hdl:"). You can create **person** and **role** objects using webupdates .

Enter "AUTO-1" in the "nic-hdl:" field.

person:	John Smith
address:	High Street 12 St. Mery Mead Essex, UK
phone:	+44 1737 892 004
nic-hdl:	AUTO-1
changed:	johnsmith@example.com

When you receive the message "`Create SUCCEEDED: [person] XYZ-RIPE`", make a note of your new NIC handle (`XYZ-RIPE`). You will need it later.

2. Mntner Object

Mntner objects protect objects in the RIPE Database. They contain the information needed to authorise creation, deletion or modification of the objects that they protect. You can create **mntner** objects using   webupdates .

Choose a name for your **mntner** object and enter it in the "`mntner:`", "`mnt-by:`" and "`referral-by:`" fields.

Enter the NIC handle of your **person/role** object in the "`admin-c:`" field.

For information about choosing authentication schemes for the "`auth:`" attribute, see " Protecting your data in the RIPE Database ".

If you have chosen MD5-PW or CRYPT-PW for your authentication scheme, you can use the   Crypt CGI interface to encrypt your password.

3. Organisation Object

Organisation objects contain information about organisations. Each object has a unique organisation ID ("organisation:"). You can create **organisation** objects using webupdates .

Enter "AUTO-1" in the "organisation:" field.

Enter "NON-REGISTRY" in the "org-type:" field.

Enter the name of your **mntner** object in the "mnt-ref:" and "mnt-by:" fields.

Add a "password" field and enter the password for your **mntner** object in clear-text.

When you receive the message "Create SUCCEEDED: [organisation] ORG-XYZ-RIPE", make a note of the new organisation ID (ORG-XYZ-RIPE). You will need it later.

You should now have:

- at least one **person/role** object
- one **mntner** object
- one **organisation** object

You can use these in the   ENUM Request Form .

General Information

```
#[GENERAL INFORMATION]#
%
% Please do not change the value of the two fields below.

request-type: enum
form-version: 1.0
```

Do not change the value of the "request-type:" and "form-version:" fields.

Requester Details

```
#[REQUESTER DETAILS]#
%
% Please add your contact details.

name:    John Smith
phone:   +123 45 678910
fax-no:  +123 45 678911
email:   john@bluelight.ripe.net
```

Enter your contact details.

Use the international dialling code (for example, +31 for the Netherlands,) in the "phone:" and "fax-no:" fields.

Organisation Details

```
#[ORGANISATION DETAILS]#
%
% Which organisation is requesting the delegation?

legal-organisation-name: Arctic Telecom
organisation-location:   Frostlane 1-3, 0135 NN Ice-Valley, Northern Nowhere
website:                 http://www.arctictelecom.net
```

Enter the legal name and primary location of the organisation that is requesting the delegation in the "legal-organisation-name:" and "organisation-location:" fields. If this organisation has a website, enter its URL in the "website:" field.

Database Template

```
#[DATABASE TEMPLATE]#
%
% Please complete all of the fields below.

domain:  9.9.9.8.e164.arpa
descr:   Arctic Telecom
org:     ORG-BEI1-RIPE
admin-c: JS6381-RIPE
tech-c:  JS6381-RIPE
zone-c:  JS6381-RIPE
nserver: iceberg1.arctic-telecom.net
nserver: titanic.penguin.ripe.net
mnt-by:  EXAMPLE-MNT
changed: hostmaster@ripe.net
source:  RIPE
```

Enter a fully qualified domain name for the requested delegation in the "domain:"

field (without a trailing dot). The domain name consists of the the country's E.164 code, written in reverse, with each digit separated by a dot. For example, the country code "+123" is written as "`3.2.1.e164.arpa`".

Enter the name of your organisation in the "`descr:`" field.

Enter the organisation ID of your **organisation** object in the "`org:`" field.

The NIC handle of the **role** or **person** object in the "`admin-c:`" field should reflect someone who is administratively responsible for the delegation.

The NIC handle of the **role** or **person** object in the "`tech-c:`" and "`zone-c:`" fields should reflect someone who has technical knowledge of DNS setup of the delegation.

Enter the hostnames of two name servers in the two "`nserver:`" fields. You can add more "`nserver:`" fields if needed. You can also add an IP address after a hostname to specify a glue record. Prior to delegation, all name servers should be configured as authoritative for the requested zone in accordance with   RFC1912 .

Enter the name of your **mntner** object in the "`mnt-by:`" field.

The "`changed:`" field must be `hostmaster@ripe.net`.

The "`source:`" field must be `RIPE`.

Supplemental Comments

```
#[SUPPLEMENTAL COMMENTS]#
%
% Please add more information if you think it will help us understand
% this request.

The Ministry of Telecommunications of Northern Nowhere selected Arctic
Telecom to run the Northern Nowhere ENUM trial. This delegation will allow
Arctic Telecom to conduct field trials of ENUM-enabled technologies in
Northern Nowhere.
```

You can use this space for additional information that you think will be helpful.

```
#[END of REQUEST]#
```