Supporting Notes for the ENUM Request Form

RIPE NCC

Document ID: ripe-505 Date: December 2010

Obsoletes: ripe-327, ripe-385

This document explains how to complete the **ENUM Request Form**.

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

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

Preparation
General Information
Requester Details
Organisation Details
Database Template
Supplemental Comments

Preparation

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

1. Person/Role Object(s) and Mntner Object

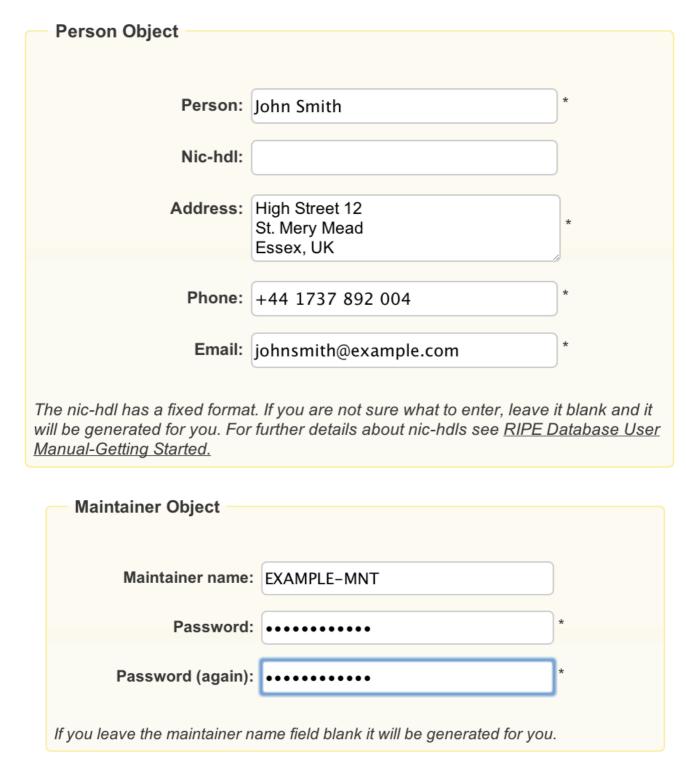
Person and **role** objects contain information about people. Each object has a unique NIC handle ("nic-hdl:").

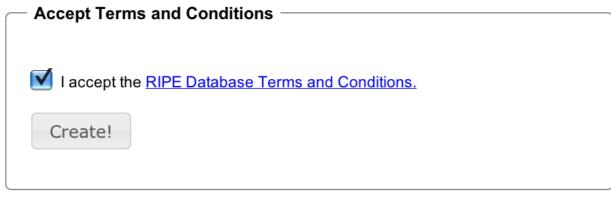
Mntner objects protect objects in the RIPE Database. They contain the information needed to authorise creation, deletion or modification of the objects that they protect.

You can create your first **person** and **mntner** objects using <u>RIPE Database</u> New User Start-up Form.

Leave the "Nic-hdl:" field empty.

Choose a name for your mntner object and enter it in the "Maintainer name:" field.





When you receive the message "Succeeded!", make a note of your "person nic-hdl" and "maintainer name". You will need them later.

You can create additional **person** and **role** objects and also change the objects you already created using <u>webupdates</u>.

2. Organisation Object

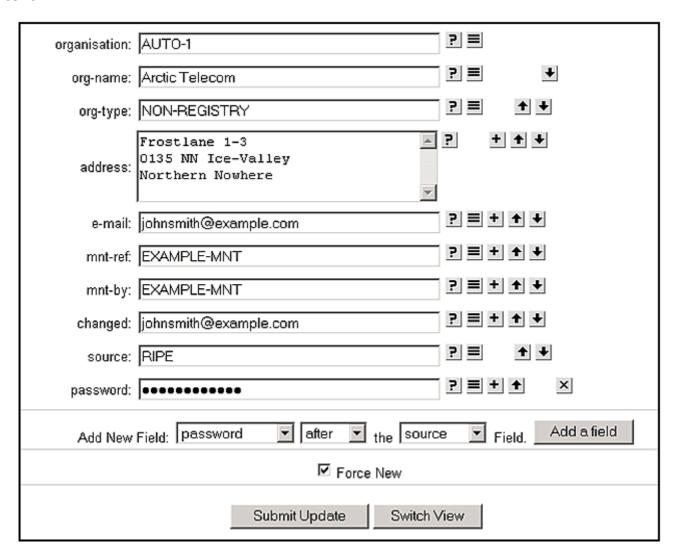
Organisation objects contain information about organisations. Each object has a unique organisation ID ("organisation:"). You can create **organisation** objects using <u>webupdates</u>.

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

Enter "OTHER" 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-BEII-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 ArcticTelecom to run the Northern Nowhere ENUM trial. This delegation will allowArctic Telecom to conduct field trials of ENUM-enabled technologies inNorthern Nowhere.

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

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