Global Title Translation Address-Map Configuration Mode Commands

The Global Title Translation (GTT) Address Map Configuration is a sub-mode of Global Title Translation Mode. This mode is used to create and configure the GTT database.

This chapter describes the Global Title Translation Address-Map Configuration Mode

**Command Modes**

```
Exec > Global Configuration > GTT Address-Map
configure > global-title-translation > address-map instance instance
```

Entering the above command sequence results in the following prompt:

```
[local] host_name (config-gtt-addrmap-instance) #
```

**Important**

Available commands or keywords/variables vary based on platform type, product version, and installed license(s).

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**associate**

This command allows the user to configure the gtt-association.
Product: SGSN

Privilege: Security Administrator, Administrator

Command Modes:  
- Exec > Global Configuration > Global Title Translation Address-Map Configuration  
- configure > global-title-translation address-map instance  

Entering the above command sequence results in the following prompt:  
[local]host_name(config-gtt-addrmap-instance)#

Syntax Description:  
- [no] associate gtt-association instance action id action_id

- no  
  Removes the configured gtt-association.

- gtt-association  
  This keyword is used to specify the gtt-association to be used.

- instance  
  Specifies the gtt-association instance to be used. The instance is an integer value from 1 up to 16.

- action  
  This keyword is used to specify the action for the rule. The actions are configured by the action command in the GTT Association Configuration Mode. For more information see the Global Title Translation Association Configuration Mode chapter.

- id  
  This keyword is used to specify the action id. The action id's are associated with specific action types in the GTT Association Configuration Mode. For more information see the Global Title Translation Association Configuration Mode chapter.

- action_id  
  The action_id is an integer value from 1 up to 15.

Usage Guidelines:  
This command allows the user to configure the gtt-association. The instance and the action can be configured using this command. The Action Id's are configured using the action command under the GTT Association Configuration Mode chapter.
Configuration Mode. For more information see *Global Title Translation Association Configuration Mode* chapter.

**Example**

This command configures gtt-association for instance 12 and specifies the action id as 10:

```
associate gtt-association 12 action id 10
```

### description

Allows the user to enter a descriptive text for this configuration.

**Product**

SGSN

**Privilege**

Security Administrator, Administrator

**Command Modes**

Exec > Global Configuration > Global Title Translation Address-Map Configuration

```
configure > global-title-translation address-map instance instance
```

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-addrmap-instance)#
```

**Syntax Description**

```
description text
no description
```

- **no**
  
  Clears the description for this configuration.

- **text**
  
  Enter descriptive text as a string of 1 up to 127 characters.

**Usage Guidelines**

The description should provide useful information about this configuration.

### do

Spawns an Exec mode command which displays information to the administrator.

**Product**

All
Privilege: Administrator

Syntax Description:
```
do show show_command_options
```

**show show_command_options**
Executes an exec mode `show` command and immediately returns back to the current configuration mode. `show_command_options` lists the various show commands available for the administrator.

Usage Guidelines:
Use this command to display show command information to the administrator and immediately return back to the current configuration mode.

**end**
Exits the current configuration mode and returns to the Exec mode.

Product: All

Privilege: Security Administrator, Administrator

Syntax Description:
```
end
```

Usage Guidelines:
Use this command to return to the Exec mode.

**exit**
Exits the current mode and returns to the parent configuration mode.

Product: All

Privilege: Security Administrator, Administrator
Syntax Description exit

Usage Guidelines Use this command to return to the parent configuration mode.

**gt-address**

This command allows the user to configure the SCCP short address.

**Product** SGSN

**Privilege** Security Administrator, Administrator

**Command Modes** Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance instance

Entering the above command sequence results in the following prompt:

[local] host_name(config-gtt-addrmap-instance)#

**Syntax Description**

- **gt-address**
  - **gt_address**
  - **no gt-address**

  - **no**
    - Removes the configured SCCP short address.

- **gt_address**
  - The gt-address is a numerical string of size 1 up to 15. The length of the address should be greater than or equal to the end-digit of the associated action-id.

**Example**

This command configures the gt-address of the SCCP entity as 101011:

gt-address 101011
mode

This command allows the user to configure the mode of operation of SCCP entities.

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Global Title Translation Address-Map Configuration

configure > global-title-translation address-map instance instance

Entering the above command sequence results in the following prompt:

[local]host_name(config-gtt-addrmap-instance)#

Syntax Description

mode { dominant | loadshare }

doninant

This keyword configures the mode of operation of SCCP entities as dominant. In this mode even if multiple out-addresses are configured the first out-address will be used for handling all the signaling traffic. The next available out-address is chosen for handling all the signaling traffic if any out-address is not available. For example, if the first out-address is not available the second out-address is used for handling all the signaling traffic.

loadshare

This keyword configures the mode of operation of SCCP entities as loadshare. In this mode if multiple out-addresses are configured then the load of signaling traffic is shared among all the out-addresses configured. This is also the default mode.

Example

This command configures the mode of operation of SCCP entities as dominant:

mode dominant

out-address

This command allows the user to configure the outgoing address and outbound parameters of the SCCP entity.

Product

SGSN
Privilege    Security Administrator, Administrator

Command Modes    Exec > Global Configuration > Global Title Translation Address-Map Configuration
configure > global-title-translation address-map instance instance

Entering the above command sequence results in the following prompt:
[local]host_name(config-gtt-addrmmap-instance)#

Syntax Description    [no] out-address address_name

no
Removes the configured outgoing address and outbound parameters of the SCCP entity.

address_name
The address name is a string of size 1 up to 63.

Usage Guidelines    This command allows the user to configure the outgoing address of the SCCP entity, the user enters the
Out-Address Configuration mode where the outbound parameters for the SCCP entities as part of the
gtt-address-map configuration can be configured. For more information see Out-Address Configuration Mode
Commands chapter in the Command Line Interface Reference, Commands I - Q document.

Example    This command configures the outgoing address of the SCCP entity as sccp1:
out-address sccp1
out-address