

Global Title Translation Association Configuration Mode Commands

The Global Title Translation (GTT) Association Configuration is a sub-mode of Global Title Translation Mode. This mode is used to create and configure the GTT association which defines the rules for handling global title translation.

Command Modes

This chapter describes the Global Title Translation Association Configuration Mode

Exec > Global Configuration > GTT Association

configure > global-title-translation > association instance*instance*

Entering the above command sequence results in the following prompt:

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

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

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action

This command allows the user to configure the action type for specific action id's .

Product

SGSN

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Global Title Translation Association Configuration

configure > global-title-translation association instance *instance*

Entering the above command sequence results in the following prompt:

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

Syntax Description

[no] action id *action_id* **type** *action_type* **start-digit** *start_digit_value* **end-digit** *end_digit_value*

no

Removes the action type defined for the action id's.

action

Specifies the action for the rule.

id

This keyword is used to specify the action id.

action_id

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

type

This keyword is used to specify the action type.

action_type

The supported action types are listed below:

- **constant:** Translate incoming GT to a fixed address.
- **fixed:**Fixed range of digits to perform GTT.
- **gt-to-pc:** Use digits in incoming GT digits as PC for routing.
- **insert-pc:** Insert DPC before incoming GTAI and change TT,ES and NAI.
- **selins:** Selective Insertion type to perform GTT.
- **strip-pc:** Strip first the "6" digits from GTAI if first "6" digits in SPC are in INT format.
- **var-asc:** Variable number of digits in ascending order to perform GTT.
- **var-des:** Variable number of digits in descending order to perform GTT.

start-digit *start_digit_value*

Specifies the ending digit of the range. The *start_digit_value* is an integer value from 0 up to 255. The start digit value must be less than or equal to the end digit value.

end-digit *end_digit_value*

Specifies the starting digit of the range. The *end_digit_value* is an integer value from 0 up to 255.

Usage Guidelines The action id's can be configured for the GTT address-maps. Each action id is associated with a specific type of action. For more information see the **associate** command in the *Global Title Translation Address-Map Configuration Mode* chapter.

Example

Listed below is an example where the action id "10" is defined with action type "fixed" along with start and end digits as "10" and "23" respectively:

```
action id  10 type fixed start-digit 10 end-digit 23
```

description

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

Product SGSN

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Command Modes Exec > Global Configuration > Global Title Translation Association Configuration

configure > global-title-translation association instance *instance*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-asso-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 showshow_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-format

This command configures Global Title Translation format in the GTT process.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Global Title Translation Association Configuration

configure > global-title-translation association instance *instance*

Entering the above command sequence results in the following prompt:

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

Syntax Description **[no] gt-format** *format_number*

no

Removes the configured format.

format_number

The *format_number* is an integer value from 1 up to 4. The format numbers correspond to the following formats:

- **1:** Format 1
- **2:** Format 2
- **3:** Format 3
- **4:** Format 4

Usage Guidelines On configuring this command, the user enters the specified GT-Format mode. Each format has specific commands to define rules for GTT. For more information see *GT-Format1/GT-Format2/GT-Format3/GT-Format4 Configuration Mode Commands* chapters.

Example

Listed below is an example where the GT-format is chosen as "1" which corresponds to GT-Format1 and enters the GT-Format1 Configuration Mode:

```
gt-format 1
```

variant

This command configures Global Title Translation (GTT) network variant.

Product SGSN

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Global Title Translation Association Configuration

configure > global-title-translation association instance *instance*

Entering the above command sequence results in the following prompt:

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

Syntax Description **variant** *variant*

variant

The available options of network variant are listed below:

- **ansi**

- **china**
- **itu**
- **japan**

Example

Listed below is an example where the network variant is selected as *ansi*:

```
variant ansi
```