



# 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).

---

- [action](#), on page 1
- [description](#), on page 3
- [do](#), on page 3
- [end](#), on page 4
- [exit](#), on page 4
- [gt-format](#), on page 4
- [variant](#), on page 5

## 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

**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**

**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*

**end****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
```