GT-Format4 Configuration Mode Commands

Command Modes
The GT-Format4 configuration mode is a sub-mode for either the Global Title Translation Association configuration mode or the Global Title Translation Address-Map configuration mode. This sub-mode configures a set of rules used in the global title translation (GTT) process.

Exec > Global Configuration > GTT Association Configuration > GT-Format4 Configuration

configure > global title translation association instance *instance_number* **> gt-format** *format_number*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-gtt-instance-format4)#
```

Important
The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).

do show

Executes all **show** commands while in Configuration mode.

Product
All

Privilege
Security Administrator, Administrator

Syntax Description
```
do show
```

Usage Guidelines
Use this command to run all Exec mode **show** commands while in Configuration mode. It is not necessary to exit the Config mode to run a **show** command.

The pipe character | is only available if the command is valid in the Exec mode.

⚠

Caution There are some Exec mode **show** commands which are too resource intensive to run from Config mode. These include: **do show support collection**, **do show support details**, **do show support record** and **do show support summary**. If there is a restriction on a specific **show** command, the following error message is displayed:

```
Failure: Cannot execute 'do show support' command from Config mode.
```

encoding-scheme

This command configures the encoding scheme to use during global title translation (GTT).

Product	SGSN
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > GTT Association Configuration > GT-Format4 Configuration
	configure > global title translation association instance *instance_number* **> gt-format** *format_number*
	Entering the above command sequence results in the following prompt:
	`[local]`*host_name*`(config-gtt-instance-format4)#`
Syntax Description	`encoding-scheme { bcd-even	bcd-odd	nw-specfic	unknown }`

bcd-even

Configures the BCD even encoding scheme.

bcd-odd

Configures the BCD odd encoding scheme.

nw-specfic

Configures the network specific encoding scheme.

unknown

Configures the unknown encoding scheme.

Usage Guidelines Use this command to select one of the encoding scheme types to determine the encoding type to be used during GTT.

Example

The following command configures the **bcd-even** encoding scheme for GTT:

encoding-scheme bcd-even

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.

nature-of-address

This command configures the indicator to identify the nature of the address.

Product	SGSN
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > GTT Association Configuration > GT-Format4 Configuration **configure > global title translation association instance** *instance_number* **> gt-format** *format_number* Entering the above command sequence results in the following prompt: `[local]`*host_name*`(config-gtt-instance-format4)#`
Syntax Description	**nature-of-address { international | national | subscriber)** **international** Identifies the international numbers. **national** Identifies the national significant numbers.

subscriber

Identifies the subscriber numbers.

Usage Guidelines   Use this command to identify the nature of address indicator.

Example

The following command configures the nature of address indicator as *national*:

nature-of-address national

numbering-plan

This command configures the numbering plan to apply during the GT translation process.

Product   SGSN

Privilege   Security Administrator, Administrator

Command Modes   Exec > Global Configuration > GTT Association Configuration > GT-Format4 Configuration

configure > global title translation association instance *instance_number* **> gt-format** *format_number*

Entering the above command sequence results in the following prompt:

[local]*host_name*(config-gtt-instance-format4)#

Syntax Description   **numbering-plan** *plan_type*

plan_type

Select one of the following numbering plans be employed during GTT:

- **data**: Data numbering plan

- **generic**: Generic number plan

- **isdn**: ISDN tel numbering plan

- **isdn-mobile**: ISDN mobile numbering plan

- **land-mobile**: Land mobile numbering plan

- **maritime-mobile**: Maritime mobile numbering plan

- **nw-specific**: Private network/network-specific numbering plan

- **telex**: Telex numbering plan

- **unknown**: Unknown numbering plan

Usage Guidelines   Use this command to select the required number plan for GTT process.

Example

The following command sets the numbering plan to use during GTT processing to **isdn**:

numbering-plan isdn

translation-type

This command configures the translation type to be applied during the translation process.

Product	SGSN
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > GTT Association Configuration > GT-Format4 Configuration
	configure > global title translation association instance *instance_number* **> gt-format** *format_number*
	Entering the above command sequence results in the following prompt:
	[local]*host_name*(config-gtt-instance-format4)#
Syntax Description	**translation-type** *number*
	number
	Enter the translation type value as an integer from 0 to 255.
	Default: 0
Usage Guidelines	Use this command to define the translation type to be applied during the global title translation process.

Example

The following command configures the translation type with value set to *235*:

translation-type 235

translation-type