



# 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](#), on page 1
- [encoding-scheme](#), on page 2
- [end](#), on page 3
- [exit](#), on page 3
- [nature-of-address](#), on page 3
- [numbering-plan](#), on page 4
- [translation-type](#), on page 5

## 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-specific** | **unknown** }

#### **bcd-even**

Configures the BCD even encoding scheme.

#### **bcd-odd**

Configures the BCD odd encoding scheme.

#### **nw-specific**

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.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>
<b>Usage Guidelines</b>	Use this command to return to the Exec mode.

## exit

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

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	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.

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