Peer Profile Configuration Mode Commands

The Peer Profile Configuration Mode is used to configure the peer profiles for GGSN, P-GW, or S-GW service to allows flexible profile based configuration to accommodate growing requirements of customizable parameters with default values and actions for peer nodes of GGSN, P-GW, or S-GW.

Command Modes   Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw)#
```

☞

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

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Important   For information on common commands available in this configuration mode, refer to the Common Commands chapter.

arp-mapping

Configures UMTS ARP to Gx ARP mapping for the specific peer profile.

Product   GGSN

P-GW

Privilege   Security Administrator, Administrator

Command Modes	Exec > Global Configuration > Peer Profile Configuration
	**configure > peer-profile service-type <service-type> {default	name** *peer_profile_name*
	Entering the above command sequence results in the following prompt:
	[*context_name*]*host_name*(config-peer-profile-ggsn/pgw/sgw-access/nw)#
Syntax Description	**[default] arp-mapping priority-level high** *high_num* **medium** *med_num*
	default
	Sets default values for the peer profile
	priority-level high *high_num* **medium** *high_num*
	Configures the high and medium values for peer profile. The *high_num* is an integer and ranges from 1 to 13 while the *high_num* also being an integer, ranges from 2 to 14.
Usage Guidelines	Use this command to configure UMTS ARP to Gx ARP mapping for GGSN peer profile configured through this mode.
	Example
	The following command sets the high priority level 4 and low priority level 9 for UMTS to Gx ARP mapping for a GGSN peer profile:
	arp-mapping priority-level high *4* **medium** *9*

description

Sets a relevant descriptive string for the specific peer profile. By default it is blank.

Product	GGSN
	P-GW
	SAEGW
	S-GW
Privilege	Security Administrator, Administrator
Command Modes	Exec > Global Configuration > Peer Profile Configuration
	**configure > peer-profile service-type <service-type> {default	name** *peer_profile_name*
	Entering the above command sequence results in the following prompt:
	[*context_name*]*host_name*(config-peer-profile-ggsn/pgw/sgw-access/nw)#
Syntax Description	**description** *desc_string* **no description**

no

Removes the set description for GGSN, P-GW, or S-GW service peer profile configured through this mode.

desc_string

Indicates the description for GGSN, P-GW, or S-GW service peer profile configured through this mode; must be an alphanumeric string from 1 through 64 characters.

Usage Guidelines   Use this command to set a relevant description for GGSN, P-GW, or S-GW peer profile configured through this mode.

Example

The following command sets the description *ggsn_gtpc_SGSN_profile1* for a GGSN peer profile:

```
description ggsn_gtpc_SGSN_profile1
```

gtpc

Configure the GTP-C parameters for this peer profile.

Product	GGSN
	P-GW
	SAEGW
	S-GW
Privilege	Administrator
Command Modes	Exec > Global Configuration > Peer Profile Configuration
	**configure > peer-profile service-type <service-type> {default	name** *peer_profile_name*
	Entering the above command sequence results in the following prompt:
	`[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw)#`
Syntax Description	`gtpc { echo { interval ` *inter_dur* `	retransmission-timeout ` *echo_retrans_dur* ` }` `| max-retransmission ` *retrans_num* `	retransmission-timeout ` *retrans_dur* ` }` `default gtpc { echo [interval	retransmission-timeout] |` `max-retransmissions	retransmission-timeout }` `no gtpc echo`

default

Resets the specified parameter to its default value.

no

Disables or removes the configured GTP-C echo settings.

echo interval *inter_dur*

Default: 60

Configures the duration, in seconds, between the sending of echo request messages.

inter_dur must be an integer from 60 through 3600.

echo retransmission-timeout *echo_retrans_dur*

Default: 3

Configures the echo retransmission timeout, in seconds, for the this peer profile.

echo_retrans_dur must be an integer ranging from 1 to 20.

max-retransmissions *retrans_num*

retransmission-timeout *retrans_dur*

Note In 17.3 and later releases, this option has been deprecated. Use **retransmission-timeout-ms** .

retransmission-timeout-ms *retrans_dur*

Usage Guidelines Use this command to configure GTP-C parameters for GGSN, P-GW, or S-GW peer profile.

Example

The following command sets the GTP-C echo parameters to default values:

```
default gtpc echo
```

The following command sets the GTP-C retransmission timeout parameters to 4 seconds:

```
default gtpc retransmission-timeout-ms
```

lawful-intercept

Refer to the *Cisco ASR 5x00 Lawful Intercept Configuration Guide* for a description of this command.

no-qos-negotiation

Configures overriding of No-Qos-Negotiation flag in common flag IE received from peer node.

Product GGSN

P-GW

Privilege Administrator

Command Modes

Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

[*context_name*]*host_name*(config-peer-profile-ggsn/pgw/sgw-access/nw)#

Syntax Description

```
no-qos-negotiation { set-flag | unset-flag }
[ no ] no-qos-negotiation
```

no

Disables or removes the configured overriding of No-Qos-Negotiation flag in common flag IE received from peer node.

set-flag

Sets flag value to 1 in common flag IE.

unset-flag

Sets flag value to 0 in common flag IE.

Usage Guidelines

Use this command to configure the overriding of no-qos-negotiation flag value in Common Flags IE received from the peer.

Example

The following command sets the flag value to true, i.e. 1, in Common Flags IE:

```
no-qos-negotiation set-flag
```

upgrade-qos-supported

Configures overriding of upgrade-Qos-supported flag in common flag IE received from peer node.

Product

GGSN

P-GW

Privilege

Administrator

Command Modes

Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

[*context_name*]*host_name*(config-peer-profile-ggsn/pgw/sgw-access/nw)#

Syntax Description

```
upgrade-Qos-supported { set-flag | unset-flag }
[ no ] upgrade-Qos-supported
```

no

Disables or removes the configured overriding of upgrade-Qos-supported flag in common flag IE received from peer node.

set-flag

Sets flag value to 1 in common flag IE.

unset-flag

Sets flag value to 0 in common flag IE.

Usage Guidelines   Use this command to configure the overriding of upgrade-Qos-supported flag value in Common Flags IE received from the peer.

Example

The following command sets the flag value to false, i.e. 0, in Common Flags IE:

```
upgrade-Qos-supported unset-flag
```