



# 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 allow 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).



## Important

For information on common commands available in this configuration mode, refer to the [Common Commands](#) chapter.

- [arp-mapping](#), on page 1
- [description](#), on page 2
- [gtpc](#), on page 3
- [lawful-intercept](#), on page 4
- [no-qos-negotiation](#), on page 4
- [upgrade-qos-supported](#), on page 5

## 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.

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**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
```