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).

- **arp-mapping**, page 2
- **description**, page 3
- **end**, page 4
- **exit**, page 5
- **gtpc**, page 6
- **lawful-intercept**, page 8
- **no-qos-negotiation**, page 9
- **upgrade-qos-supported**, page 10
**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.

**Examples**

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.

Examples

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

description ggsn_gtpc_SGSN_profile1
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.
**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

```bash
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. 
\textit{echo\_retrans\_dur} must be an integer ranging from 1 to 20.

\textbf{max-retransmissions \textit{retrans\_num}}

\textbf{retransmission-timeout \textit{retrans\_dur}}

\underline{Note}
In 17.3 and later releases, this option has been deprecated. Use \textit{retransmission-timeout-ms}.

\textbf{retransmission-timeout-ms \textit{retrans\_dur}}

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

\textbf{Examples}
The following command sets the GTP-C echo parameters to default values:
\texttt{default gtpc echo}

The following command sets the GTP-C retransmission timeout parameters to 4 seconds:
\texttt{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.

**Examples**

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.

**Examples**

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

`upgrade-Qos-supported unset-flag`