



## ARP-RP Mapping Profile Configuration Mode

The SGSN uses the ARP to RP mapping for a variety of reasons, such as choosing a preferred radio priority according to the ARP values sent by the GGSN and HLR. These mappings will be used by corresponding 2G and/or 3G services to choose the radio priority value sent in downlink messages towards the MS/UE:

- Activate PDP Accept.
- Modify PDP Request during network-initiated PDP modification procedure.
- Modify PDP Accept during MS-initiated PDP modification procedure provided the ARP has been changed by the network.

### Command Modes

The commands in this mode configure the various parameters of the ARP-RP Mapping Profile.

Exec > Global Configuration > SGSN Global Configuration > ARP-RP Mapping Profile Configuration

**configure** > **sgsn-global** > **qos-arp-rp-map-profile** *arp-rp\_prof\_name*

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-arp-rp-map-profile-arp-rp_prof_name)#
```



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

- [arp](#), on page 1
- [end](#), on page 2
- [exit](#), on page 3

## arp

This command modifies the ARP (allocation retention priority) to RP (radio priority) mapping in the ARP-RP Mapping Profile.

### Product

SGSN

### Privilege

Security Administrator, Administrator

### Command Modes

Exec > Global Configuration > SGSN Global Configuration > ARP-RP Mapping Profile Configuration

end

```
configure > sgsn-global > qos-arp-rp-map-profile arp-rp_prof_name
```

Entering the above command sequence results in the following prompt:

```
[local]host_name(config-arp-rp-map-profile-arp-rp_prof_name) #
```

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**Syntax Description**    **arp** *arp\_value* **radio-priority** *rp\_value*

**arp**

Defines the allocation retention priority.

*arp\_value*: Enter an integer from 1 to 3.

**radio-priority**

Defines the radio priority.

*rp\_value*: Enter an integer from 1 to 4.

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**Usage Guidelines**

When the ARP-RP Mapping Profile is created it includes default ARP-RP mapping:

- ARP1 RP4
- ARP2 RP4
- ARP3 RP4

The commands in this mode can be issued as needed to modify the mapping.

Use the **show sgsn-mode** command to display the ARP-RP profile and configuration.

Use the **radio-priority** keyword of the **sm** command in either the GPRS Service configuration mode or the SGSN Service configuration mode to associate the ARP-RP Mapping Profile with either of the service types.

**Example**

To change the radio priority from 4 to 2 for the allocation retention priority of 1, use the following command.

```
arp 1 rp 2
```

## end

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

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**Product**    All

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**Privilege**    Security Administrator, Administrator

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**Syntax Description**    **end**

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**Usage Guidelines**    Use this command to return to the Exec mode.

# exit

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

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**Product**

All

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**Privilege**

Security Administrator, Administrator

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**Syntax Description**

**exit**

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**Usage Guidelines**

Use this command to return to the parent configuration mode.

■ exit