

MME SMSC Service Configuration Mode Commands

The MME SMSC Service Configuration Mode is used to create and configure the MME SMSC services on this system. The SMSC peer service allows communication with SMSC peer.

Command Modes

Exec > Global Configuration > Context Configuration > MME SGs Service Configuration

configure > context *context_name* **> smsc-service** *smsc_svc_name*

Entering the above command sequence results in the following prompt:

`[context_name]host_name(config-smsc-service)#`

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.

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- tmsi, on page 3

diameter

This command configures the Diameter interface to be associated with the SMSC service.

Product

MME

Privilege

Administrator

Command Modes

Exec > Global Configuration > Context Configuration > MME SMSC Service Configuration

configure > context *context_name* **> smsc-service** *smsc_svc_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-smsc-service)#
```

Syntax Description

diameter { dictionary standard | endpoint *endpoint_name* **}**
default diameter dictionary
no diameter endpoint

default

Configures the default setting.

no

Removes the previous Diameter endpoint configuration.

diameter

Configures the Diameter interface.

dictionary standard

Configures the standard SGd dictionary.

endpoint *endpoint_name*

Enables Diameter to be used for accounting, and specifies which Diameter endpoint to use. *endpoint_name* must be an alphanumeric string of 1 through 63 characters.

Usage Guidelines

Use this command to configure the Diameter interface.

Example

The following command configures the Diameter endpoint named *test* to the SMSC service:

```
diameter endpoint test
```

mme-address

This command configures the MME address to send SMS on the SGd interface.

Product

MME

Privilege

Administrator

Command Modes

Exec > Global Configuration > Context Configuration > MME SMSC Service Configuration

configure > context *context_name* **> smsc-service** *smsc_svc_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-smsc-service)#
```

Syntax Description

mme-address *mme_address*
no mme-address

no

Removes the previous MME address configuration.

mme_address

Specifies the MME address (ISDN identity) to send SMS on the SGd interface as an integer from 1 to 15.

Usage Guidelines

Use this command to configure the MME address to send SMS on the SGd interface.

Example

The following command configures the MME address with ISDN ID *491720499* to send SMS:

mme-address 491720499

tmsi

This command configures the Temporary Mobile Subscriber Identity (TMSI) for the SMSC service.

Product

MME

Privilege

Administrator

Command Modes

Exec > Global Configuration > Context Configuration > MME SMSC Service Configuration

configure > context *context_name* **> smsc-service** *smsc_svc_name*

Entering the above command sequence results in the following prompt:

[*context_name*]*host_name*(config-smsc-service)#

Syntax Description

tmsi *tmsi_value* **non-broadcast mcc** *mcc_value* **mnc** *mnc_value* **lac** *lac_value*
no tmsi

no

Removes the TMSI configuration.

tmsi_value

Specifies the 4-byte M-TMSI as an integer from 1 to 4294967295.

non-broadcast

Configures the non-broadcast Location Area Identifier (LAI).

mcc *mcc_value*

Configures the mobile country code (MCC) portion of non-broadcast LAI for the SMSC service. *mcc_value* must be an integer from 100 through 999.

mnc mnc_value

Configures the mobile network code (MNC) portion of non-broadcast LAI for the SMSC service. *mnc_value* must be a 2- or 3-digit integer from 00 through 999.

lac *lac_value*

Configures the location area code (LAC) value. *lac_value* must be an integer from 1 to 65535.

Usage Guidelines

Use this command to configure the TMSI to be sent to UE for the SMSC service.

Example

The following command configures the TMSI for the SMSC service with value set to *123456789012345*, MCC *123*, MNC *456* and LAC *654*:

```
tmsi 123456789012345 non-broadcast mcc 123 mnc 456 lac 654
```