S102 Pool Area Configuration Mode Commands

Command Modes

The commands in this configuration mode manage the configuration of the pool area characteristics.

Exec > Global Configuration > Context Configuration >

configure > context *context_name* **> s102-service** *service_name* **pool-area** *pool_area_name*

Entering the above command sequence results in the following prompt:

`[`*context_name*`]`*host_name*`(config-s102-pool-area)#`

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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

The **plmnid** option that is visible in the code is not supported at this time. This option is for future development.

cell-id

Configure the sector cell ID to be used to locate the pool-area for the MSC selection process for CDMA2000 message handling in either a CSFB for 1xRTT or SRVCC for 1xRTT scenario.

Product	MME
Privilege	Administrator
Command Modes	Exec > Global Configuration > Context Configuration >

configure > context *context_name* **> s102-service** *service_name* **pool-area** *pool_area_name*

Entering the above command sequence results in the following prompt:

`[`*context_name*`]`*host_name*`(config-s102-pool-area)#`

Syntax Description

`[ no ] cell-id` *cell-id* **`+`**

no

Erases the specific cell ID information from the S102 pool-area configuration.

cell-id

Enter an integer from 1 through 65535 to identify a CDMA2000 sector cell ID that you are assigning to this S102 pool-area configuration.

+ Means you can enter up to 24 cell IDs, separated by a single blank space, in the same command.

Usage Guidelines   Configure up to 24 cell IDs per S102 pool-area instance.

Example

Use a command similar to the following to define the three cell ID(s) for this S102 pool-area configuration:

cell-id 6 8 11 17

do show

Executes all **show** commands while in Configuration mode.

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

```
do show
```

Usage Guidelines

Use this command to run all Exec mode **show** commands while in Configuration mode. It is not necessary to exit the Config mode to run a **show** command.

The pipe character | is only available if the command is valid in the Exec mode.

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Caution

There are some Exec mode **show** commands which are too resource intensive to run from Config mode. These include: **do show support collection**, **do show support details**, **do show support record** and **do show support summary**. If there is a restriction on a specific **show** command, the following error message is displayed:

```
Failure: Cannot execute 'do show support' command from Config mode.
```

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.

hash-value

This command configures the hash-value(s) for the S102 pool-area. The hash-value is to be used by the MME for MSC selection for CDMA2000 message handling in either a CSFB for 1xRTT or SRVCC for 1xRTT scenario.

Important	**Prerequisite:** Each of the MSCs to be included in the pool-area configuration must have been configured and associated with the S102 service before the MSC can be included in the pool-area configuration.

Product	MME
Privilege	Administrator
Command Modes	Exec > Global Configuration > Context Configuration >
	configure > context *context_name* **> s102-service** *service_name* **pool-area** *pool_area_name*
	Entering the above command sequence results in the following prompt:
	`[context_name]host_name(config-s102-pool-area)#`
Syntax Description	**[no] hash-value {** *hash_value* **| non-configured-values	range** *lower_hash_value* **to** *higher_hash_value* **} { msc** *msc_name* **}**

no

Erases the configured hash-value information from the S102 pool-area configuration.

hash_value

Enter an integer from 0 through 999 to identify a specific MSC.

non-configured-values msc *msc_name*

Assigns all non-configured hash values to use the named MSC.

msc_name Enter a string of 1 to 63 alphanumeric characters to identify one of the MSCs previously configured in the S102 service configuration.

range *lower_hash_value* **to** *higher_hash_value* **msc** *msc_name*

Specifies the range of hash values for an MSC:

- *lower_hash_value* Enter an integer from 0 through 999 to identify the start value for a range of hash. The *lower_hash_value* must be lower than the *end_value*.
- *higher_hash_value* Enter an integer from 0 through 999 to identify the end value for a range of hash. The *higher_hash_value* must be higher than the *start_value*.
- **msc** *msc_name* Enter a string of 1 to 63 alphanumeric characters to identify one of the MSCs previously configured in the S102 service configuration.

Usage Guidelines　This command enables the operator to use hash as a filter in the MSC selection process. For more information about MSC selection and how it works, refer to either the *SRVCC for 1xRTT* feature chapter or the *CSFB for 1xRTT* feature chapter in the *MME Administration Guide*.

Example

Use a command similar to the following to setup a hash filter for MSC selection for a pool-area definition. The following command configures a hash value range filter of *24 to 43* for the selection of the MSC named *mscHouston* :

```
hash-value range 24 to 43 msc mscHouston
```

msc-id

Configures the numeric ID for an MSC in the S102 pool-area configuration.

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Important	**Prerequisite:** Each of the MSCs to be included in the pool-area configuration must have been configured and associated with the S102 service before the MSC can be identified in the pool-area configuration.

Product	MME
Privilege	Administrator
Command Modes	Exec > Global Configuration > Context Configuration >
	configure > context *context_name* **> s102-service** *service_name* **pool-area** *pool_area_name*
	Entering the above command sequence results in the following prompt:
	[*context_name*]*host_name*(config-s102-pool-area)#
Syntax Description	`[ no ] msc-id` *msc-id*
	no
	Erases the MSC ID configuration from this S102 pool-area configuration.
	msc-id
	Enter an integer from 1 through 16777215 to identify the unique numeric ID for the MSC.
Usage Guidelines	Both the cell ID and the MSC ID must be configured in the S102 pool-area configuration for the MME to have sufficient information to perform MSC selection.
	For information about the pool-area, refer to the **pool-area** command in the *S102 Service Configuration Mode Commands* chapter.
	For more information about MSC selection and how it works, refer to either the *SRVCC for 1xRTT* feature chapter or the *CSFB for 1xRTT* feature chapter in the *MME Administration Guide*.

Example

Identify the unique numeric ID, such as *2555*, for the MSC that has been configured for the S102 pool-area:

msc-id 2555

plmnid

Product MME

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Important The **plmnid** option that is visible in the code is not supported at this time. This option is for future development.

plmnid