



# S102 Pool Area Configuration Mode Commands

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## 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.

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# 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.

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**Product**

All

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**Privilege**

Security Administrator, Administrator

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**Syntax Description**

**do show**

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**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.
```

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# 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.

# 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.



## 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 IxRTT* feature chapter or the *CSFB for IxRTT* 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

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**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.

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