



# 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) #
```



---

### Important

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



---

### Important

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

- [cell-id](#), on page 1
- [do show](#), on page 2
- [end](#), on page 3
- [exit](#), on page 3
- [hash-value](#), on page 3
- [msc-id](#), on page 4
- [plmnid](#), on page 5

## 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.



**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.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>
<b>Usage Guidelines</b>	Use this command to return to the Exec mode.

## exit

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

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	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.

<b>Product</b>	MME
<b>Privilege</b>	Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > <b>configure &gt; context</b> <i>context_name</i> > <b>s102-service</b> <i>service_name</i> <b>pool-area</b> <i>pool_area_name</i> Entering the above command sequence results in the following prompt: <i>[context_name]</i> 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 &gt; Global Configuration &gt; Context Configuration &gt;

**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

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

