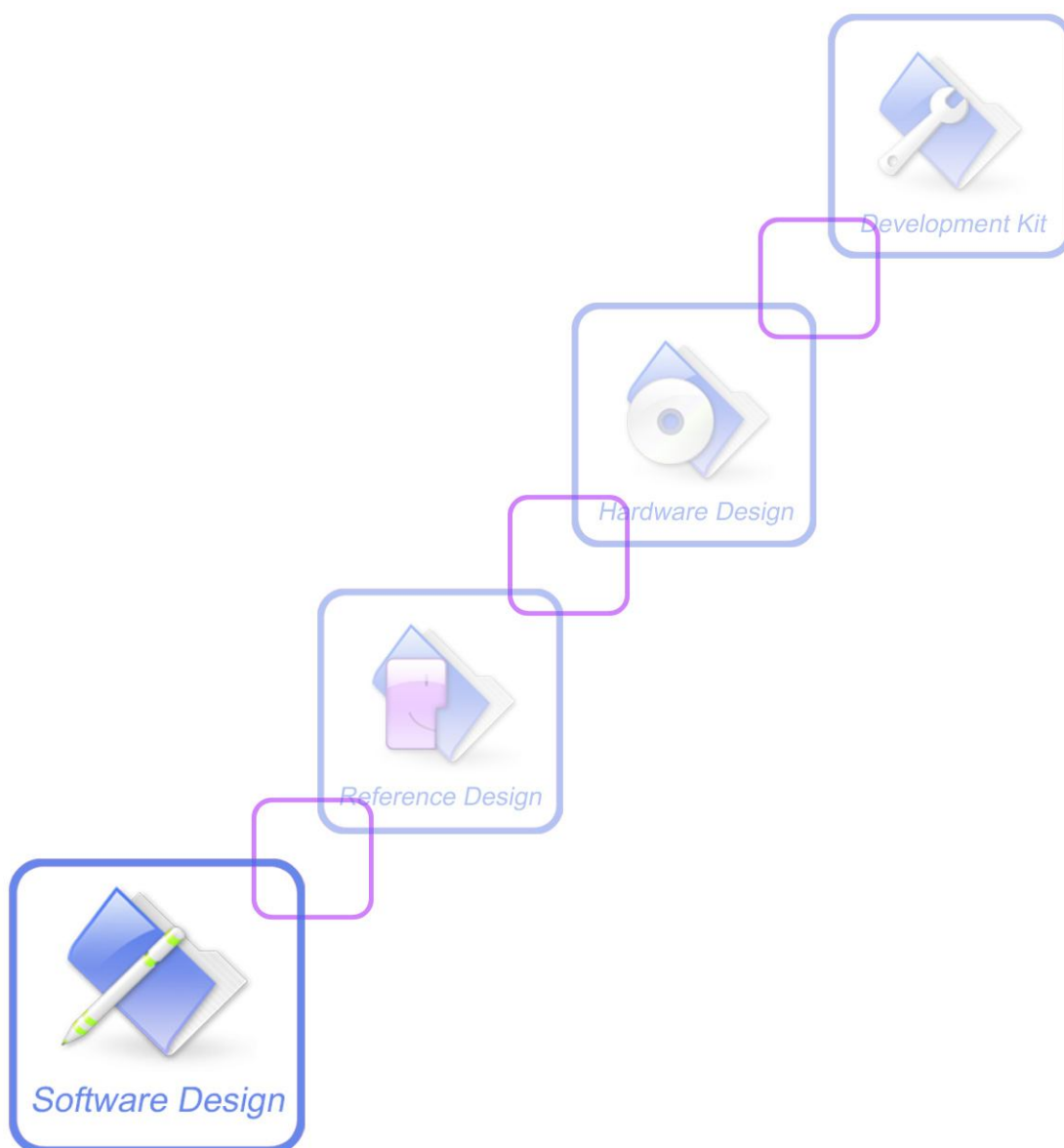




# AT Command Set

**SIMCOM\_SIM5360\_ECALL\_ATC\_V0.03**



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## Version History

Version	Chapter	Comments
V0.01	New Version	
V0.02	1.7 AT+CECALLSMSD	Modify this command
V0.03	1.4 AT+CECALLTRIG 1.8 AT+CECALLMODE 1.9 AT+CECALLSMSD	Remove this commands

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# 1 SIM DM AT commands

## 1.1 AT+CECALLS Make e-call

### Description

The command is used to make an e-call.

**Note:** Test call need to unlock pin, Emergency call does not need to unlock pin

SIM PIN	References
NO	Vendor

### Syntax

Test Command	Responses
AT+CECALLS=?	+CECALLS: (scope of <a href="#">&lt;calltype&gt;</a> ),(scope of <a href="#">&lt;cannedMSD&gt;</a> ) OK
Write Command	Responses
AT+CECALLS= <a href="#">&lt;num&gt;</a> , <a href="#">&lt;calltype&gt;</a> , <a href="#">&lt;cannedMSD&gt;</a>	OK ERROR

### Defined values

<a href="#">&lt;num&gt;</a>
Dialing number.
<a href="#">&lt;calltype&gt;</a>
e-call type:
0 — Test call
1 — Emergency call
<a href="#">&lt;cannedMSD&gt;</a>
Use the canned GPS information or real GPS information.
0 — Send real MSD
1 — Send canned MSD

### Examples

```
AT+CECALLS=18621008925,0,1
OK
```

## 1.2 AT+CECALLE Hang up e-call

### Description

The command is used to hang up the e-call.

SIM PIN	References
NO	Vendor

## Syntax

Test Command	Responses
AT+CECALLE=?	OK
Execution Command	Responses
AT+CECALLE	OK
	VOICE CALL: END: <time>
	<i>No call:</i>
	OK

## Defined values

<time>
Voice call connection time.
Format – HHMMSS (HH: hour, MM: minute, SS: second)

## Examples

<i>AT+CECALLE</i>
<i>OK</i>

## 1.3 AT+CECALLCFG Configure e-call MSD information

### Description

The command is used to configure the MSD information.

SIM PIN	References
NO	Vendor

## Syntax

Test Command	Responses
AT+CECALLCFG=?	OK
Write Command	Responses
AT+CECALLCFG=<vehicle type>,<storage>,<num>,<vin>,<vehicledirection>,<delta1_lon>,<delta1_lat>,<delta2_l	OK
	ERROR

on>,<delta2\_lat>

## Defined values

### <vehicletype>

- 1 — Passenger vehicle class M1
- 2 — Buses and coaches class M2
- 3 — Buses and coaches class M3
- 4 — Light commercial vehicles class N1
- 5 — Heavy duty vehicles class N2
- 6 — Heavy duty vehicles class N3
- 7 — Motorcycles class L1e
- 8 — Motorcycles class L2e
- 9 — Motorcycles class L3e
- 10 — Motorcycles class L4e
- 11 — Motorcycles class L5e
- 12 — Motorcycles class L6e
- 13 — Motorcycles class L7e

### <storage>

Propulsion storage: It should choice multi-storage. decimal number

**NOTE** Example: Choice “Electric energy storage” and “Diesel tank present”, the <storage> must be set by 18. (i.e. 2 or 16 equal 18)

- 0 — Unknown or other type of energy storage
- 1 — Hydrogen storage
- 2 — Electric energy storage
- 4 — Liquid propane gas
- 8 — Compressed natural gas
- 16 — Diesel tank present
- 32 — Gas online tank present

Range is 0~63.

### <num>

Number of passenger. Range is 0~255.

### <vin>

Vehicle id number. Length of <vin> must be 17.

VIN number according to ISO 3779. including:

- 1.World Manufacturer Index (WMI)
- 2.Vehicle Type Descriptor (VDS)
- 3.Vehicle Identification Sequence (VIS)

The character in VIN must be the member of this table:

("A".. "H"|"J".. "N"|"P"|"R".. "Z"|"0".. "9")

### <vehicledirection>

The direction of travel in 2°-degrees steps from magnetic north (0– 358, clockwise). Only values

from 0 to 179 are valid. If direction of travel is invalid or unknown, the value 0xFF shall be used. Unit is 2 degree. Range of <vehicledirection> is 0~179.

<delta1\_lon>

Description of recent vehicle longitude location before the incident. 1 Unit = 100 miliarcseconds, which is approximately 3m.

Coded value range (-512..511) representing -51200 to +51100 miliarcseconds, or from 51,2''S to 51,1''N from the reference position.

<delta1\_lat>

Description of recent vehicle latitude location before the incident. 1 Unit = 100 miliarcseconds, which is approximately 3m.

Coded value range (-512..511) representing -51200 to +51100 miliarcseconds, or from 51,2''S to 51,1''N from the reference position.

<delta2\_lon>

Description of recent vehicle longitude location before the incident. 1 Unit = 100 miliarcseconds, which is approximately 3m.

Coded value range (-512..511) representing -51200 to +51100 miliarcseconds, or from 51,2''S to 51,1''N from the reference position.

<delta2\_lat>

Description of recent vehicle latitude location before the incident. 1 Unit = 100 miliarcseconds, which is approximately 3m.

Coded value range (-512..511) representing -51200 to +51100 miliarcseconds, or from 51,2''S to 51,1''N from the reference position.

## Examples

```
AT+CECALLCFG=5,18,8,"WMJVDSVDSYA123456",14,10,-10,20,-20
OK
```

## 1.4 AT+CECALLPOS Set position information

### Description

The command is used to set position information.

SIM PIN	References
NO	Vendor

### Syntax

Test Command	Responses
AT+CECALLPOS=?	OK



Write Command	Responses
AT+CECALLPOS=<lon>,<lat>	OK
	ERROR

## Defined values

<lon>
Longitude of current position, format is ddd.dddddd. Unit is degree. Range is -180~180.
<lat>
Latitude of current position, format is dd.dddddd. Unit is degree. Range is -90~90.

## Examples

AT+CECALLPOS="121.354138","31.221938"
OK

## 1.5 AT+CECALLTIME Set timestamp

### Description

The command is used to set timestamp.

SIM PIN	References
NO	Vendor

### Syntax

Test Command	Responses
AT+CECALLTIME=?	OK
Write Command	Responses
AT+CECALLTIME=<flag>[,<year>,<month>,<day>,<hour>,<minute>,<second>]	OK
	ERROR

## Defined values

<flag>
0 - use system time, not need to set <year>,<month>,<day>,<hour>,<minute>,<second>
1 - must set <year>,<month>,<day>,<hour>,<minute>,<second>
<year>
Year :integer
Range is 1970~2100
<month>

Month : integer

Range is 1~12

<day>

Day : integer

Input range :

Jan \ Mar \ May \ Jul \ Aug \ Oct \ Dec: 1~31

Feb: 1~28 (1~29 if leap year)

Apr \ Jun \ Sep \ Nov: 1~30

<hour>

Hour : integer

Range is 0~23

<minute>

Minute : integer

Range is 0~59

<second>

Second : integer

Rang is 0~59

## Examples

*AT+CECALLTIME=1,2011,10,20,15,30,30*

*OK*

## 1.6 AT+CECALLFMT Set MSD serialize format

### Description

The command is used to set MSD pack format

SIM PIN	References
NO	Vendor

### Syntax

Test Command	Responses
AT+CECALLFMT=?	+ CECALLFMT: (list of supported <fmt> ) OK
Read Command	Responses
AT+CECALLFMT?	+ CECALLFMT: <fmt> OK
Execution Command	Responses
AT+CECALLFMT=<fmt>	OK

ERROR
-------

## Defined values

<fmt>
-------

- |   |
|---|
| 0 - set MSD serialize format as bytes (qualcomm default format) |
| 1 - set MSD serialize format as bits (for Russia ecall)         |

## Examples

AT+CECALLFMT=1
----------------

OK
----

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