Defining PDP Contexts and Message Service Centers
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1. Applicable products

1.1. Products requiring PDP and CSCA details

- NL-SW-GPRS
- NL-SW-HSPA
- NL-SW-HSPA-B
- NL-SW-LTE-TNAG
- NL-SW-LTE-TEUG

2. SMS Message Service Centers(CSCA)

SMS message service centers process inbound and outbound SMS messages. Provided are examples of how to configure SMS messaging on various networks:

2.1. Device Cloud Networks(DCN)

Example:

```
AT+CSCA=+3546500120,145 ;DCN specific CSCA
```

Response:

```
OK
```

3. Packet Data Protocol(PDP) Settings

Packet Data Protocol (PDP) context is a data structure that allows the device to transmit data using Internet Protocol. It includes the device’s IP address, IMSI and additional parameters to properly route data to and from the network. Provided are examples of how to establish a PDP context on various networks:

3.1. SIM Card Detection

The Skywire® modem module includes a 3FF Standard size Micro SIM socket. The SIM socket does not have a card detect pin. Early versions of the Skywire module design did not assert the card detect input to the Telit device, so the AT#SIMDET=1 command must be used to force the Telit firmware to recognize the presence of a SIM card. The Skywire LTE products and later versions of the HSPA+ and GPRS products have been updated to always assert the SIM detect input, therefore, the SIM card always appears to be present, even when it is absent.

To determine if your module has the SIM detect input asserted or de-asserted, issue the AT#SIMDET? command.
3.2. AT&T

Example:

```
AT+CGDCONT=1,"IP","isp.cingular" ;AT&T specific details
AT#SGACT=1,1 ;get IP address
```

Response:

```
OK
#SGACT: xxx.xxx.xxx.xxx
```

Or

Example:

```
AT+CGDCONT=1,"IP","broadband" ;AT&T specific details
AT#SGACT=1,1 ;get IP address
```

Response:

```
OK
#SGACT: xxx.xxx.xxx.xxx
```

3.3. Device Cloud Networks (DCN)

Example:

```
AT+CGDCONT=1,"IP","dynamic.dcnm2m.com" ;DCN details
AT#SGACT=1,1 ;get IP address
```

Response:

```
OK
#SGACT: xxx.xxx.xxx.xxx
```

3.4. Telit m2mAir

Example:

```
AT+CGDCONT=1,"IP","a105.2way.net" ;Telit specific details
AT#SGACT=1,1 ;get IP address
```

Response:

```
OK
#SGACT: xxx.xxx.xxx.xxx
```