

知 某局点MSR810-LMS VPDN拨号不成功的经典案例

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组网及说明

如图:



问题描述

MSR810-LMS插4G卡拨号电信不成功

过程分析

1、设备上SIC模块是正常识别的，查看设备配置信息，无异常

```
dialer-group 1 rule ip permit
```

```
apn-profile pro1
```

```
apn static cnetc.vpdn.it
```

```
authentication-mode pap-chap user m2m password cipher
```

```
$c$3$ITaeYP8WPvgahdNvqC7hie6RyMj5BBEmDaeslg==
```

```
interface Eth-channel1/0:0
```

```
dialer circular enable
```

```
dialer-group 1
```

```
dialer timer idle 0
```

```
dialer timer autodial 60
```

```
dialer number #777 //电信拨号串
```

```
ip address cellular-alloc
```

```
tcp mss 1280
```

```
apn-profile apply pro1
```

```
ip route-static 0.0.0.0 0 Eth-channel1/1:0
```

2、查看Cell口的状态信息，Modem及SIM卡的状态都是正常的，但是Network显示的是无服务的状态

Network Information:

Current Service Status: No Service

Registration Status: Denied

Current Roaming Status: Unknown

Current Data Bearer Technology: Unknown

Network Selection Mode: Automatic

Current IP address Mode: Cellular-alloc

Current IPV6 address Mode: Unknown

Location Area Code (LAC): 7233

Cell ID: 30697522

Radio Information:

Technology Preference: No preference specified (AUTO)

Technology Selected: Hybrid(1xRTT and 1xEV-DO) //现场反馈是4G卡，但是识别的信号显示是2/

3G，建议把卡换到手机上看看能否正常使用

Configured LTE Band = 1,3,5,8,38,39,40,41

1xRTT related info:

Current RSSI: -73 dBm

Current ECIO: -3 dBm

HDR (1xEVDO) related info:

Current RSSI: -60 dBm

Current ECIO: -1 dBm

Current IO: 0 dBm

Modem Security Information:

PIN Verification: Disabled
PIN Status: PIN Requirement Disabled
Number of PIN Retries Remaining: 3
Number of PUK Retries Remaining: 10
SIM Status: OK

ICCID: 89860316492013539944

3. 插在手机上测试, 发现不是sim卡本身原因, PIN状态不是ready, 怀疑sim卡加密导致。

[MSR810-LMS-Cellular1/0]dis cell 1/0

Cellular1/0:

Modem State:

Hardware Information:

Model: U9300C
Manufacturer: LONGSUNG
Modem Firmware Version: QB30001.1.8_MX10(0016_1.4.1_L0122)
International Mobile Equipment Identity (IMEI): 863284043148697
International Mobile Subscriber Identity (IMSI): 460111108402072
Mobile Equipment Identifier (MEID): 99001289336929
Hardware Version: 10000
Factory Serial Number (FSN): 60000055S181894W00672
Modem Status: Online
Modem Status: IPv4 Unkown.
Modem Status: IPv6 Unkown.

Profile Information:

Profile index: 1
PDP Type: IPv4v6
Header Compression: Off
Data Compression: Off
Access Point Name (APN): cnetc.vpdn.jt
Authentication: PAP or CHAP
Username: m2m

* - Default profile

Profile index: 2
PDP Type: IPv4v6
Header Compression: Off
Data Compression: Off
Access Point Name (APN): ctwap
Authentication: NONE

Network Information:

Current Service Status: No Service
Registration Status: Denied
Current Roaming Status: Unknown
Current Data Bearer Technology: Unknown
Network Selection Mode: Automatic
Current IP address Mode: Cellular-alloc
Current IPV6 address Mode: Unknown
Location Area Code (LAC): 7233
Cell ID: 30697522

Radio Information:

Technology Preference: LTE only
Configured LTE Band = 1,3,5,8,38,39,40,41

Modem Security Information:

PIN Verification: Disabled
PIN Status: PIN Requirement Disabled // 如果PIN Status不是Ready, 需要输入PIN码解锁。也是

需要联系运营商开启

Number of PIN Retries Remaining: 3
Number of PUK Retries Remaining: 10
SIM Status: OK
ICCID: 89860316492013539944

Error Information:

IPv4 dialing failed: N/A
IPv6 dialing failed: N/A

GPS Information:

GPS Info:

GPS State: Enabled

GPS Mode Configured: Standalone

Latitude(WGS84): 0 Deg 0 Min 0.00 Sec North

Longitude(WGS84): 0 Deg 0 Min 0.00 Sec East

Timestamp (UTC): 00/00/0000 00:00:00

Local time: 00/00/0000 00:00:00

Heading: 0.00, Velocity Horiz: 0.00, Velocity Vert: 0.00

Height (MSL): 0.00 m

Satellite Info:

解决方法

联系运营商解锁后, 问题解决。