

OsmoGSMTester - Bug #3046

ofono: SierraW modem fails to power on

03/09/2018 10:55 AM - pespin

Status:	New	Start date:	03/09/2018
Priority:	Normal	Due date:	
Assignee:	lynxis	% Done:	0%
Category:			
Target version:			
Spec Reference:			

Description

SierraW (/sierra2 in prod) modem started to fail all the time in tests when powering on:

I run the following and I took an ofono log trace at the same time:

```
root@osmo-gsm-tester-prod:~# mdbus2 -s org.ofono /sierra_2 org.ofono.Modem.SetProperty Powered true
```

```
[ERR]: GDBus.Error:org.ofono.Error.Failed: Operation failed
```

```
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:gobi_enable() 0x555f9e6459f0
```

```
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: src/modem.c:get_modem_property() modem 0x555f9e6459f0 property Device
```

```
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() _REQ: QMI QMUX:
```

```
QMI length = 11
QMI flags = 0x00
QMI service = "ctl"
QMI client = 0
QMI QMI:
QMI flags = "none"
QMI transaction = 1
QMI tlv_length = 0
QMI message = "Get Version Info" (0x0021)
```

```
)
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() READ: QMI QMUX:
```

```
QMI length = 191
QMI flags = 0x80
QMI service = "ctl"
QMI client = 0
QMI QMI:
QMI flags = "response"
QMI transaction = 1
QMI tlv_length = 180
QMI message = "Get Version Info" (0x0021)
```

```
)
```

```
QMI TLV:
QMI type = "Result" (0x02)
QMI length = 4
QMI value = 00:00:00:00
QMI translated = SUCCESS
QMI TLV:
QMI type = "Service list" (0x01)
QMI length = 156
QMI value = 1F:00:01:00:05:00:01:01:00:
```

```
24:00:02:01:00:0E:00:03:01:00:19:00:04:01:00:03:00:05:01:00:0A:00:06:01:00:00:00:07:01:00:02:00:08:01:00:02:00:09:02:00:01:00:0A:02:00:10:00:0B:01:00:19:00:0C:01:00:04:00:11:01:00:00:00:12:01:00:00:00:17:01:00:00:00:18:01:00:00:00:1A:01:00:0A:00:1D:01:00:00:00:1E:01:00:00:00:1F:01:00:00:00:21:01:00:00:00:22:01:00:00:00:29:01:00:00:00:2A:01:00:00:00:E1:01:00:00:00:F0:01:00:00:00:F2:01:00:00:00:F3:01:00:00:00:F5:01:00:00:00:F6:01:00:00:00
```

```
QMI translated = { [0] = '[ service = 'ctl'
```

```
major_version = '1' minor_version = '5' ] ' [1] = '[ service = 'wds' major_version = '1' minor_ver  
sion = '36' ] ' [2] = '[ service = 'dms' major_version = '1' minor_version = '14' ] ' [3] = '[ ser  
vice = 'nas' major_version = '1' minor_version = '25' ] ' [4] = '[ service = 'qos' major_version =  
'1' minor_version = '3' ] ' [5] = '[ service = 'wms' major_version = '1' minor_version = '10' ] '  
[6] = '[ service = 'pds' major_version = '1' minor_version = '0' ] ' [7] = '[ service = 'auth' ma  
jor_version = '1' minor_version = '2' ] ' [8] = '[ service = 'at' major_version = '1' minor_versio  
n = '2' ] ' [9] = '[ service = 'voice' major_version = '2' minor_version = '1' ] ' [10] = '[ servi  
ce = 'cat2' major_version = '2' minor_version = '16' ] ' [11] = '[ service = 'uim' major_version =  
'1' minor_version = '25' ] ' [12] = '[ service = 'pbm' major_version = '1' minor_version = '4' ] '  
' [13] = '[ service = 'sar' major_version = '1' minor_version = '0' ] ' [14] = '[ service = 'ims'  
major_version = '1' minor_version = '0' ] ' [15] = '[ service = 'ts' major_version = '1' minor_ver  
sion = '0' ] ' [16] = '[ service = 'tmd' major_version = '1' minor_version = '0' ] ' [17] = '[ ser  
vice = 'wda' major_version = '1' minor_version = '10' ] ' [18] = '[ service = 'csvt' major_version  
'1' minor_version = '0' ] ' [19] = '[ service = 'qcmapi' major_version = '1' minor_version = '0'  
' ] ' [20] = '[ service = 'imsp' major_version = '1' minor_version = '0' ] ' [21] = '[ service = 'i  
msa' major_version = '1' minor_version = '0' ] ' [22] = '[ service = 'coex' major_version = '1' mi  
nor_version = '0' ] ' [23] = '[ service = 'rfrpe' major_version = '1' minor_version = '0' ] ' [24]  
= '[ service = 'dsd' major_version = '1' minor_version = '0' ] ' [25] = '[ service = 'rms' major_  
version = '1' minor_version = '0' ] ' [26] = '[ service = '(null)' major_version = '1' minor_versi  
on = '0' ] ' [27] = '[ service = '(null)' major_version = '1' minor_version = '0' ] ' [28] = '[ se  
rvice = '(null)' major_version = '1' minor_version = '0' ] ' [29] = '[ service = '(null)' major_ve  
rsion = '1' minor_version = '0' ] ' [30] = '[ service = '(null)' major_version = '1' minor_version  
= '0' ] ' }
```

QMI TLV:

QMI type = 0x10

QMI length = 11

QMI value = 04:4E:49:4C:4C:01:E1:03:00:00:0

)

Mar 09 11:53:00 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:discover_cb()

Mar 09 11:53:00 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() _REQ: Q
MI QMUX:

QMI length = 11

QMI flags = 0x00

QMI service = "ctl"

QMI client = 0

QMI QMI:

QMI flags = "none"

QMI transaction = 2

QMI tlv_length = 0

QMI message = "Get Version Info" (0x0021

)

Mar 09 11:53:00 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() READ: Q
MI QMUX:

QMI length = 191

QMI flags = 0x80

QMI service = "ctl"

QMI client = 0

QMI QMI:

QMI flags = "response"

QMI transaction = 2

QMI tlv_length = 180

QMI message = "Get Version Info" (0x0021

)

QMI TLV:

QMI type = "Result" (0x02)

QMI length = 4

QMI value = 00:00:00:00

QMI translated = SUCCESS

QMI TLV:

QMI type = "Service list" (0x01)

QMI length = 156

QMI value = 1F:00:01:00:05:00:01:01:00:

24:00:02:01:00:0E:00:03:01:00:19:00:04:01:00:03:00:05:01:00:0A:00:06:01:00:00:00:07:01:00:02:00:08
:01:00:02:00:09:02:00:01:00:0A:02:00:10:00:0B:01:00:19:00:0C:01:00:04:00:11:01:00:00:00:12:01:00:0
0:00:17:01:00:00:00:18:01:00:00:00:1A:01:00:0A:00:1D:01:00:00:00:1E:01:00:00:00:1F:01:00:00:00:21:
01:00:00:00:22:01:00:00:00:29:01:00:00:00:2A:01:00:00:00:E1:01:00:00:00:F0:01:00:00:00:F2:01:00:00
:00:F3:01:00:00:00:F5:01:00:00:00:F6:01:00:00:00

```
QMI translated = { [0] = '[ service = 'ctl'  
major_version = '1' minor_version = '5' ] ' [1] = '[ service = 'wds' major_version = '1' minor_ver  
sion = '36' ] ' [2] = '[ service = 'dms' major_version = '1' minor_version = '14' ] ' [3] = '[ ser  
vice = 'nas' major_version = '1' minor_version = '25' ] ' [4] = '[ service = 'qos' major_version =  
'1' minor_version = '3' ] ' [5] = '[ service = 'wms' major_version = '1' minor_version = '10' ] '  
[6] = '[ service = 'pds' major_version = '1' minor_version = '0' ] ' [7] = '[ service = 'auth' ma  
jor_version = '1' minor_version = '2' ] ' [8] = '[ service = 'at' major_version = '1' minor_versio  
n = '2' ] ' [9] = '[ service = 'voice' major_version = '2' minor_version = '1' ] ' [10] = '[ servi  
ce = 'cat2' major_version = '2' minor_version = '16' ] ' [11] = '[ service = 'uim' major_version =  
'1' minor_version = '25' ] ' [12] = '[ service = 'pbm' major_version = '1' minor_version = '4' ]  
' [13] = '[ service = 'sar' major_version = '1' minor_version = '0' ] ' [14] = '[ service = 'ims'  
major_version = '1' minor_version = '0' ] ' [15] = '[ service = 'ts' major_version = '1' minor_ver  
sion = '0' ] ' [16] = '[ service = 'tmd' major_version = '1' minor_version = '0' ] ' [17] = '[ ser  
vice = 'wda' major_version = '1' minor_version = '10' ] ' [18] = '[ service = 'csvt' major_version  
= '1' minor_version = '0' ] ' [19] = '[ service = 'qcmapi' major_version = '1' minor_version = '0'  
' ] ' [20] = '[ service = 'imsp' major_version = '1' minor_version = '0' ] ' [21] = '[ service = 'i  
msa' major_version = '1' minor_version = '0' ] ' [22] = '[ service = 'coex' major_version = '1' mi  
nor_version = '0' ] ' [23] = '[ service = 'rfrpe' major_version = '1' minor_version = '0' ] ' [24]  
= '[ service = 'dsd' major_version = '1' minor_version = '0' ] ' [25] = '[ service = 'rms' major_  
version = '1' minor_version = '0' ] ' [26] = '[ service = '(null)' major_version = '1' minor_versi  
on = '0' ] ' [27] = '[ service = '(null)' major_version = '1' minor_version = '0' ] ' [28] = '[ se  
rvice = '(null)' major_version = '1' minor_version = '0' ] ' [29] = '[ service = '(null)' major_ve  
rsion = '1' minor_version = '0' ] ' [30] = '[ service = '(null)' major_version = '1' minor_version  
= '0' ] ' }
```

```
QMI TLV:
```

```
QMI type = 0x10
```

```
QMI length = 11
```

```
QMI value = 04:4E:49:4C:4C:01:E1:03:00:00:0
```

```
0
```

```
Mar 09 11:53:05 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() _REQ: Q  
MI QMUX:
```

```
QMI length = 15
```

```
QMI flags = 0x00
```

```
QMI service = "ctl"
```

```
QMI client = 0
```

```
QMI QMI:
```

```
QMI flags = "none"
```

```
QMI transaction = 3
```

```
QMI tlv_length = 4
```

```
QMI message = "Allocate CID" (0x0022)
```

```
QMI TLV:
```

```
QMI type = "Service" (0x01)
```

```
QMI length = 1
```

```
QMI value = 02
```

```
QMI translated = dms
```

```
Mar 09 11:53:05 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() READ: Q  
MI QMUX:
```

```
QMI length = 18
```

```
QMI flags = 0x80
```

```
QMI service = "ctl"
```

```
QMI client = 0
```

```
QMI QMI:
```

```
QMI flags = "response"
```

```
QMI transaction = 3
```

```
QMI tlv_length = 7
```

```
QMI message = "Allocate CID" (0x0022)
```

```
QMI TLV:
```

```
QMI type = "Result" (0x02)
```

```
QMI length = 4
```

```
QMI value = 01:00:03:00
```

```
QMI translated = FAILURE: Internal
```

```
Mar 09 11:53:08 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:create_dms_cb()
```

```
Mar 09 11:53:08 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:shutdown_device() 0x555f9e6459f  
0
```

```
Mar 09 11:53:08 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:shutdown_cb()
```

History

#1 - 03/09/2018 10:58 AM - pespin

As expected, restart ofono fixes the issue. So it seems SierraW also runs out of CIDs at some point.