

Cellular Network Infrastructure - Support #4137

"can not patch PT because no suitable egress codec was found" = One way audio

07/30/2019 08:08 PM - the_toph

Status:	Rejected	Start date:	07/30/2019
Priority:	Low	Due date:	
Assignee:	dexter	% Done:	0%
Category:			
Target version:			
Spec Reference:			

Description

I'm finally in the process of converting my working NITB instance over to the newer osmo-splits.

I am running the Stable Binary Packages.

The trouble is that i'm getting one way audio when sending calls to a local Asterisk server (Originating GSM caller hears silence. Terminated SIP caller can hear GSM user).

osmo-mgw spams these messages:

```
% <0000> mgcp_network.c:726 endpoint:0x0 can not patch PT because no suitable egress codec was found.
% <0000> mgcp_network.c:726 endpoint:0x0 can not patch PT because no suitable egress codec was found.
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```

In reviewing the SIP Debug within Asterisk, I can see GSM in the SDP. I also see the same thing in osmo-sip-connector when setting the Sofia SIP debug very high.

As a test, I set MSC to use the Internal MNCC and i'm able to get two way audio between GSM Handsets -- however, as the end game is to use my Asterisk PBX, this is obviously not the best solution.

I've done my best to search, came across this: <https://osmocom.org/issues/3550> which seems similar, but had no resolution explanation. That issue states it was an Asterisk NAT issue. For testing I toggled the NAT settings, no change.

Attaching all configs.
Am I missing something?

History

#1 - 07/31/2019 11:16 AM - laforge

- Assignee set to dexter
- Priority changed from Normal to Low

#2 - 08/16/2019 06:34 PM - the_toph

Is there any additional information I could provide to assist in troubleshooting this problem?

#3 - 08/28/2019 08:31 AM - dexter

- Status changed from New to In Progress

I had a look at your BSC config and I see that you allow the following codecs:

```
codec-list fr1 hr1 fr2 fr3 hr3
```

I would suggest to limit your configuration to fr1 only. The reason for this is that there are still negotiation problems with the MNCC interface, which basically limits everything to FR1. I have the osmo-splits running with Asterisk, so I can confirm that it works in general.

It would also be good to have a trace from that includes BSSMAP, MGCP, SIP and possibly RTP. Possibly there is some problem negotiating the codec with the MGW.

#4 - 10/17/2019 09:20 AM - dexter

- Status changed from In Progress to Rejected

Files

osmo-hlr.cfg	1009 Bytes	07/30/2019	the_toph
osmo-bsc.cfg	5.7 KB	07/30/2019	the_toph
osmo-mgw.cfg	1.8 KB	07/30/2019	the_toph
osmo-msc.cfg	1.92 KB	07/30/2019	the_toph
osmo-sip-connector.cfg	960 Bytes	07/30/2019	the_toph
osmo-stp.cfg	959 Bytes	07/30/2019	the_toph