

OsmoMGW - Bug #3442

fix int mgcp_codec_decide() in mgcp_codec.c

08/02/2018 02:08 PM - dexter

Status: New	Start date: 08/02/2018
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	
Target version:	

Description

The function `mgcp_codec_decide()` selects the codec that is later returned with the MGCP response in MGCP. The response is generated from `rtp->codec`, which is set by `mgcp_codec_decide()`.

Unfortunately, the current implementation of `mgcp_codec_decide()` makes no sense at all. It only causes no trouble at the moment because `endp->tcfg->no_audio_transcoding` is set to 0, which means that transcoding is turned on at the moment even though we do not support trans coding.

`mgcp_codec_decide()` should be revised in the following way:
We remove `rtp->codec`, because Technically an MGW does not have one selected codec, it knows about several codecs and may make choices based on its transcoding capabilities and policies. In practice this would mean that `mgcp_codec_decide()` removes all the unsupported codecs from `rtp->codecs[]`. The functions that generate the SDP will then find only the selected codecs and return them. At the moment we can only return one codec from inside the SDP because we use `rtp->codec` as data source.

Since we do not support transcoding at the moment there will not be much in `mgcp_codec_decide()`, `endp->tcfg->no_audio_transcoding` is set to 0 we can display a warning that tells the user that transcoding is not supported yet.

History

#1 - 08/02/2018 04:02 PM - dexter

We need to fix `mgcp_write_response_sdp()` first, so that it can send multiple payload type numbers and `rtpmap` lines.

I have done some preliminary cleanup here, it does not change the functionality yet:

<https://gerrit.osmocom.org/#/c/osmo-mgw/+10310> mgcp_sdp: restructure `mgcp_write_response_sdp()` (`rtpmap`)

<https://gerrit.osmocom.org/#/c/osmo-mgw/+10320> mgcp_sdp: restructure `mgcp_write_response_sdp()` (`audio`)

#2 - 09/04/2019 09:26 AM - laforge

- Assignee deleted (*dexter*)