

## OsmoMGW - Bug #4153

### 3G voice broken with ALu 9361 femto

08/15/2019 03:04 PM - dev\_zzo

<b>Status:</b> New	<b>Start date:</b> 08/15/2019
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	
<b>Description</b>	
Hello,	
I am trying to create a setup with various Osmocom components to get the Alcatel-Lucent 9361 femtocells I have to function as a small 3G network. Currently, I am experiencing issues with 3G voice calls, quite similar to the ones described in <a href="#">#3411</a> / <a href="#">#2459</a> / <a href="#">#1937</a> : the voice call is dropped.	
I have traced the issue to the following code: <a href="https://github.com/osmocom/osmo-mgw/blob/9aaaab6b3b5a541a6c17077f5f1f8bc00ba77152/src/libosmo-mgcp/mgcp_network.c#L873">https://github.com/osmocom/osmo-mgw/blob/9aaaab6b3b5a541a6c17077f5f1f8bc00ba77152/src/libosmo-mgcp/mgcp_network.c#L873</a>	
The femtocell rejects the luUP message due to a CRC mismatch and indeed, when the bytes are patched, the header CRC is not updated and therefore cannot match.	

#### History

##### #1 - 08/16/2019 06:50 AM - laforge

Hi!

Thanks a lot for your detailed bug report. The lack of proper luUP support has been haunting us for a long time. I once started to implement the related state machines in libosmocore, see the 'laforge/iu\_up' branch. However, nobody has yet found the time or resources to integrate that properly into osmo-mgw and test it :/

Regards,  
Harald

##### #2 - 08/16/2019 10:45 AM - dev\_zzo

I will be happy to test any updates against my setup. Unfortunately, I am not much of a luUP expert (I wish I were!) and probably won't be able to help out with development except build/run/verify.

Kindest regards,  
/DJ