

## OsmoSGSN - Bug #3953

### OsmoSGSN LLC implementation doesn't refuse ABM

04/24/2019 07:55 AM - laforge

<b>Status:</b>	Resolved	<b>Start date:</b>	04/24/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	laforge	<b>% Done:</b>	100%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			
<b>Description</b>			
<p>the LLC layer has a (specified) Asynchronous Balanced Mode (ABM), which is very much like LAPDm. I don't think it's used much in production. In any case, the OsmoSGSN LLC code implements a very small fraction of that, without properly handling it.</p> <p>The better option is to outright refuse any establishment of ABM, and hence inform the peer (MS) that ABM is not supported by sending a DM frame. This is also what the spec states in Section 6.4.1.4 of 3GPP TS 04.64:</p> <p style="padding-left: 40px;">The DM unnumbered response shall be used by an LLE to report to its peer that the LLE is in a state such that ABM operation cannot be performed. An LLE shall transmit a DM response to any valid command received that it cannot action.</p>			

#### History

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##### #1 - 04/24/2019 07:56 AM - laforge

The fix to OsmoSGSN is in <https://gerrit.osmocom.org/#/c/osmo-sgsn/+/13767/> and the related ttcn3 test is in <https://gerrit.osmocom.org/#/c/osmo-ttcn3-hacks/+/13766/>

##### #2 - 04/24/2019 07:56 AM - laforge

- % Done changed from 0 to 70

##### #3 - 04/30/2019 09:45 AM - laforge

- Status changed from In Progress to Resolved

- % Done changed from 70 to 100

patches merged