

OsmoPCU - Bug #1792

2 MS tests: Issue with TS allocation for DL in PCU

08/09/2016 10:54 AM - arvind.sirsikar

Status:	Stalled	Start date:	08/09/2016
Priority:	High	Due date:	
Assignee:	sysmocom	% Done:	0%
Category:			
Target version:			
Spec Reference:			

Description

Hi All,

When 4 TS is configured for DL and testing 2 MSs it was found that 1st MS gets 4 TS where as next MS gets 3 TS. causing issue with DL traffic fairness between MSs.

issue is traced to "static int find_multi_slots" function which considers both UL/DL capacity for TS calculation causing 2 TS allocation for UL and 3 for DL.

as of now

if (capacity <= max_capacity) condition in same function is modified to

if (rx_window < max_dl_slots) to concentrate only on DL.

Thanks,
Aravind Sirsikar

History

#1 - 11/09/2016 12:28 PM - arvind.sirsikar

- Status changed from New to Stalled

waiting for review feed back on Gerrit for

<https://gerrit.osmocom.org/#/c/819/>

#2 - 12/16/2016 10:13 AM - arvind.sirsikar

Current PCU implementation aims at supporting "many MSs with lesser resources" compared to "giving all the resources to fewer MSs".

The patch <https://gerrit.osmocom.org/#/c/819/> tries to give same (rather max) resources to all the MSs. However it is applicable only for lab testing.

Moving this patch to abandoned state as of now. This patch can be merged if necessary for lab testing.

#3 - 12/16/2016 11:57 AM - zecke

What would it take to scale this? We should not have a flag that makes it look good in a lab with a handful of phones while in practice we run into resource conflicts too early.

#4 - 08/15/2017 05:40 PM - laforge

#5 - 08/17/2017 06:53 AM - laforge

- Assignee changed from *arvind.sirsikar* to *sysmocom*