

## OsmoPCU - Bug #5212

### apparently T3193 is by default not set to its defined default value

08/12/2021 01:04 PM - neels

<b>Status:</b> New	<b>Start date:</b> 08/12/2021
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b> pespin	<b>% Done:</b> 0%
<b>Category:</b>	
<b>Target version:</b>	
<b>Spec Reference:</b>	
<b>Description</b>	
When I run osmo-pcu and launch a ttcn3 test (PCU_Tests.TC_mt_ping_pong) so that a BTS is present, 'show bts-timers' lists:	
<pre>OsmoPCU# show bts-timer BTS0: ... T3193 = 1600 ms      Reuse of TFI(s) after reception of final PACKET DOWNLINK ACK/NACK from MS for TBF (default: 100 ms) ...</pre>	
Notice that T3193 is set to 1600 ms, although its default says 100 ms. I looked for anything that might alter the timeout in the ttcn3 code, but could not find anything.	

### History

#### #1 - 10/08/2021 04:01 PM - pespin

It is set by ts\_PCUIF\_INFO\_default, so osmo-bts (TTCN3) is setting it through PCUIF:

```
t3193_10ms := 160,
```

#### #2 - 10/08/2021 04:09 PM - pespin

- Assignee set to pespin

It's been 100ms since at least:

```
commit 28f160e76c3c53029bc6e8de101b2d7ee26eea16
Author: Pau Espin Pedrol <pespin@sysmocom.de>
Date: Thu Sep 5 14:48:35 2019 +0200
```

And also even a lot prior to that it was already defaulting to 100ms:

```
commit dfa563cd3bba9b6214289bc63c84b00f1f7676cd
Author: Andreas Eversberg <jolly@eversberg.eu>
Date: Fri Jul 6 08:13:59 2012 +0200
```

```
RLC/MAC process makes use from attributes, received from PCU socket
```

```
For OpenBTS interface and BSSGP, fixed values are still used.
```

And being 1600 in TTCN3 is there since at least:

```
commit elfd916b2110e0282f3d9320958c27876b7d91e1
Author: Harald Welte <laforge@gnumonks.org>
Date: Mon Feb 18 19:47:53 2019 +0100
```

The problem seems to be that it's defined as 100ms by default in osmo-pcu since ever, but it is also defined as 1600ms in osmo-bts since ever (osmo-bts passes it to osmo-pcu through PCUIF):

```
src/common/bts.c
159:      [RLC_T3193] = 160, /* 10ms */src/common/pcu_sock.c
289:      info_ind->t3193_10ms = rlcc->parameter[RLC_T3193];
```

Same in osmo-bsc:

```
src/osmo-bsc/bts_ipaccess_nanobts_omlattr.c
169:      buf[3] = 160; /* T3193 (units of 10ms) */
```

```
src/osmo-bsc/bts.c
131:      [RLC_T3193] = 160, /* 10ms */
```

```
src/osmo-bsc/pcu_sock.c
167:      info_ind->t3193_10ms = rlcc->parameter[RLC_T3193];
```

**So we need to find which is actually the best default value there, either 1600ms or 100ms (or some other value), and set it consistently everywhere.**