OsmoPCU - Feature #4547
support for frequency hopping in osmo-pcu

05/12/2020 01:29 PM - laforge

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<th>05/13/2020</th>
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<td>Spec Reference:</td>
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**Description**

I just realized that OsmoPCU would also require related changes/enhancements. Contrary to the circuit switched domain, we **never** used frequency hopping at all for the PS domain, no matter which base station hardware.

At the very least, we would need to be able to

- pass the hopping parameters (MAIO, HSN, ...) over the PCU socket so the PCU knows about them
- encode the hopping parameters in any kind of RLC/MAC messages, specifically
  - Encoding::write_immediate_assignment()
  - Encoding::write_packet_uplink_assignment()
  - Encoding::write_packet_downlink_assignment()

There are possibly more required modifications, the above is not meant as an exhaustive list.

**Related issues:**

Follows OsmoBTS - Feature #4546: baseband frequency hopping support for osmo-... 

**History**

#1 - 05/12/2020 01:29 PM - laforge

- Due date set to 05/13/2020
- Start date changed from 05/12/2020 to 05/13/2020
- Follows Feature #4546: baseband frequency hopping support for osmo-bts-trx added