

Source : Samsung
Title : Draft Liaison Statement on RACH and CPCH measurements for TS 25.215
To : RAN WG4
Cc : RAN WG2, RAN WG3
Contact in WG1: Seong I. Park, Samsung
sipark@telecom.samsung.co.kr, phone +82-342-779-6624

TSG RAN WG1 thanks for WG4 its works on completing measurement specification TS 25.215. During its 12th meeting, new three measurements of the RACH and CPCH were accepted in RAN WG1 [1, 2]. One is the “Detected PCPCH access preambles” for CPCH, another is the “Acknowledged PCPCH access preambles” for CPCH, and another is “Acknowledged PRACH preambles” for RACH.

- New CPCH measurements

- The “Detected PCPCH access preambles” for CPCH:

The main goal of this measure is reducing the UL interference by choosing the appropriate persistency value. And this measure will be measured in one access frame for one CPCH set.

- The “Acknowledged PCPCH access preambles” for CPCH:

This measure has the value for number of acknowledged PCPCH’s during one access frame for the specific SF (or data rate). If the specific SF (or data rate) is assigned so frequently, then the congestion probability will increase for that SF (or data rate). So, it is necessary for the UTRAN to assign the smaller persistency value for this SF (or data rate).

In WG2, these two measures are accepted [3]. And in WG3, discussions of these measures and procedures are in progress [4].

- New RACH measurement

- The “Acknowledged PRACH preambles” for RACH:

This measure will be used for determining the persistency value for PRACH.

In WG3, this measure and procedure are in the TS 25.433 [5]. And in WG2, this measure is approved [6].

RAN WG1 kindly asks WG4 to update their relevant specifications (TS 25.215) according to this change.

Reference

- [1] R1-000582, “Proposed CR 056 to 25.215 for Measurements in CPCH”, Samsung
- [2] R1-000581, “Proposed CR 055 to 25.215 for Measurement of RACH”, Samsung
- [3] R2-000830, “Proposed CR053 to 25.302 on measurement of RACH and CPCH”, Samsung
- [4] R3-001176, “Common measurement values for CPCH”, Samsung
- [5] TS 25.433 ver 3.1.0, “UTRAN Iub Interface NBAP Signalling”, 3GPP
- [6] R2-000830, “Proposed CR053 to 25.302 on measurement of RACH and CPCH”, Samsung