

TSG-RAN Meeting #6
Nice, France, 13 – 15 December 1999

TSGRP#6(99)616

Agenda Item:

Source: Samsung Electronics Co., Ltd.

Title: Clarification on current status of Gated DPCCH Transmission

Document for: Discussion and Approval

1. Introduction

Gated DPCCH transmission was adopted as a working assumption in WG1#7 meeting [1]. It was also introduced and was discussed in WG2 and WG4. In WG3, it is currently under discussion. It has a number of advantages such as uplink/downlink interference reduction, resulting capacity increase and increased battery life of UE. According to the liaison statement from WG4 [2] to WG1, WG4 believes that the gated DPCCH transmission has the aforementioned advantages. As a consequence, WG4 [3] decides to wait for the decision of WG1 on the gated DPCCH and is ready to adopt it if WG1 agrees. In addition, the gated DPCCH transmission was already approved in WG2 [4,5] except a few issues which need to be clarified in WG1.

The only outstanding issues regarding gating in WG1 are the random pattern and procedures in case of downlink only gating. Samsung prepared Tdoc [6] on a proposed random gating pattern and procedures to the WG1#9 Dresden meeting, but it was not discussed due to a shortage of time. Currently, gated DPCCH transmission is included in the uncompleted items for Release 99 of WG2. Therefore, we believe that if the gated DPCCH is also included in the uncompleted items for Release 99 of WG1, then it can be hopefully finalised before the RAN#7 meeting on March year 2000.

2. Proposal

The current status of gated DPCCH transmission is mature enough to be finalised by March 2000. As a consequence, **Samsung proposes that the gated DPCCH transmission should be included in the WG1 uncompleted items for Release 99.**

3. References

- [1] 3GPP RAN TS 25.214 v1.3.0(1999-09)
- [2] TSGR4#8(99)751, "Proposed Response to Liaison Statement on impact of gated DPCCH at cell boundaries," Sophia Antipolis, 26-29 Oct 1999.
- [3] TSGR4#8(99)779, "Report of the 8th TSG-RAN WG4 meeting (Draft report)," Sophia Antipolis, 26-29, Oct. 1999.
- [4] TSGR2#8(99)g67, "Response (to TSG-RAN WG1, TSG-RAN WG4) to LS on Gated DPCCH transmission," WG2, Cheju, 2-5 Nov. 1999.
- [5] TSGR2#9(99)g88, "Draft minutes of WG2 meeting #8" Cheju, Korea, 2-5, Nov. 1999.
- [6] TSGR1#9(99)j51, "Random Pattern for Gated DPCCH transmission," Dresden, 30 Nov.-3 Dec. 1999