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TSG-RAN Working Group 3 meeting #20
Beijing, China, 2nd – 6th April 2001

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SOURCE: TSG RAN WG3

TO: TSG RAN WG2, TSG RAN WG1

TITLE: RESPONSE LS ON IUB NBAP SIGNALLING SUPPORT FOR CPCH

Contact: schoi@samsung.com

RAN3 would like to thank RAN2 for the LS (R2-010248/R3-010608) on maxNrOFPCCHs in NBAP.

It was noted that in the LS R3-010608, there was some error. LS R3-010608 assumed that

a minimal configuration for 16 CPCH sets (using 16 PCPCHs) would require only 2 AP receivers (2 UL scrambling codes), 17 AICH transmitters (17 DL AICH channelisation codes), and 16 DPCH transceivers (16 DPCH codes).

However, RAN3 understands that for 16 CPCH sets, 16 CD receivers (16 UL scrambling codes) and 16 UL DPCH receivers (16 UL scrambling codes) are also needed. And RAN3 understands that for 16 CPCH sets, not 17 AICH transmitter but 16 AP-AICH (CSICH) transmitters (16 DL AICH channelisation codes) and 16 CD/CA-ICH transmitters (16 DL AICH Channelisation codes) are needed.

RAN3 would like to ask RAN1 to confirm RAN3's understanding as above.

Since it was noted that each CPCH set can have up to 16 PCPCHes in UCSM mode and 64 PCPCHes in VCAM mode while maximum number of PCPCHes in a cell is 64, RAN3 consider the number 4 is large enough as maximum number of CPCHes in a cell. At RAN3#19 meeting, there was discussion on the issue whether maxNrOFPCCHs should be changed from 4 to 16 or not. RAN3 has agreed to avoid this backward incompatible change since RAN3 see no strong reason for maxNrOFPCCHs to ever go beyond the number 4.

RAN3 would like to inform RAN2 that RAN3 has agreed to keep current specification for NBAP without any change.