

TSG-RAN Working Group1 meeting#9

TSGR1#9(99)k97

Dresden, Germany 30th Nov.-3rd Dec.,1999

Agenda Item: Document for: Ad Hoc 14

Source: Co-Chair, Adhoc-14

## **AdHoc#14 Meeting Summary**

AdHoc-14 was held on the morning of 12/2/99. Three main issues were on the agenda, namely, a) Rapid Initialisation of the DCH, b) CPCH related issues and c) the DPCCH gating. The first topic and part of second topic were covered in the meeting. The rest of the contributions were not covered due to lack of time. The following is a brief summary of the discussion and conclusions per topic.

The e-mail discussions on the above topics were summarized in Tdoc#R199-k32 were presented in the meeting by Adhoc-14 Co-chair K. Parsa. The following is a list of contributions from different companies.

### **List of Contributions and CR's by Company**

#### **Philips**

##### **Spreading and scrambling codes for CPCH power control preamble**

R1-99i16 CR25213-011 Text proposal and Change Request for CPCH codes (Philips + Nokia)

New power control section for CPCH (mainly relevant to AH9)

R1-99i15 CR25214-017 Text Proposal for Uplink Power Control for PCPCH

Editorial change to position of CPCH power control information

R1-99i11 CR25214-014 Consolidation of CPCH power control information

##### **Procedure for rapid initialisation of DCHs**

R1-99k51 CR25214-015 Consolidation of power control information for DCH initialisation

R1-99k52 CR25214-018 Text Proposal for Timing for Initialisation Procedures

##### **Text proposals for CPCH status broadcast**

R1-99j18 CR25211-013 Addition of a downlink channel indicating CPCH status

CR25214-022 Inclusion of CPCH status monitoring in CPCH access procedure

R1-99j63 Presentation on status broadcast for CPCH

#### **Samsung**

Random pattern for gated DPCCH transmission

R1-99j51

Proposed response to liaison statement on impact of gated DPCCH at cell boundaries

R1-99k23

Text proposal of gated DPCCH transmission on 25.214 (CR-028 for 25.214)

R1-99j68

More advantage of channel assignment for CPCH

R1-99j72

Performance Evaluation of CPCH

R1-99j73

Status broadcasting of CPCH

R1-99j74

Text proposal for Channel Assignment for CPCH

R1-99j75

Liaison from WG2 on Channel Assignment for CPCH

R1-99j28

## **GBT**

### **General/Editorial and small CRs**

R199j32\_CR014\_213 (SF adjustment)

R199J33\_CR027\_214 (Global change of CD-AICH to CD-ICH)

R199j00\_CR012\_211 (Global change of CD-AICH to CD-ICH)

R199i33\_CR012\_213 (support of short codes for CPCH)

R1-99K33\_CR17\_213

### **Status Broadcast proposals**

R199i34\_CR020\_214

R199j20\_CR014\_211

### **CA discussions**

R199i99 – Advantage and Disadvantage of channel Assignment

R199j19 – Review of Samsung's simulation papers

R199j47\_GBT\_2CD [joint with BellSouth Cellular Corp.]

### **Other contributions**

R1-99j35 – Challenging the uplink gating method proposal

UE and Base Node requirements for CPCH

GBT's progress report on CPCH specifications

## **LGIC**

R1-99j70 Modification of DL-DPCH format for CPCH

R1-99j71 CD Parameter change for CPCH

R1-99g69 Secondary collision detection for CPCH

R1-99g70 Text proposal for secondary collision detection for CPCH

R1-99xxx Abnormal situation handling for CPCH

## **Panasonic**

CR-032, 25.214 (j69)- Variable rate Packet Transmission

### **Summary of Discussion**

#### **Rapid Initialization of DCH**

k51 (revision of i13) Consolidation of power control information for DCH initialisation (Philips)

The CR was approved by the Adhoc

k52 (revision of i17) Text proposal for timing for initialisation procedures (Philips)

The CR was approved by the Adhoc.

## **CPCH general issues**

### j32 Spreading factors for CPCH (GBT)

The CR allows use of all SFs. Although the CR was agreed in principle it needs to be redrafted and resubmitted in the plenary.

### j33 Change of name from CD-AICH to CD-ICH in 25.214 (GBT)

The CR was agreed in principle but needs to be redrafted and resubmitted in the plenary.

### j00 Editorial changes (GBT)

The CR proposed change of name from CD-AICH to CD-ICH in 25.211 and DPDCH and DPCCH to CPPDCH and CPPCCH. It was also agreed to remove reference to superframe. The CR needs to be corrected based on the comments and should be submitted to the plenary.

### i33 CR to allow short scrambling codes to be used for CPCH. (GBT)

The CR should be resubmitted to the plenary.

### i15 Text proposal for uplink power control for PCPCH. (Philips)

The proposal includes new power control section in 25.214 for power control in PCPCH aligned to DPDCH/DPCCH. The CR only covers normal mode of power control. The CR was approved by the ad-hoc. It was pointed out that in case of compressed mode operation additional text needs to be included in the specification. Eiko Seidel to draft a liaison to WG2 asking whether compressed mode is required for CPCH, and suggesting that WG1 thinks it is probably not necessary and is likely to be difficult to implement

### i11 Consolidation of CPCH power control preamble information (Philips)

Moves information regarding power control in power control preamble (agreed in h03) to a new power control section in 25.214 created by i15.

The CR was accepted by the adhoc. If i11 is approved in plenary Philips proposes to discard i15 since it is covered by i11.

### i16 Text proposal and CR for CPCH codes (Philips)

Accepted subject to a revision to state that the channelisation code in the power control preamble is the same as in the control channel in the message part.

### k33 Change of terminology for scrambling codes for CPCH message part. (GBT)

CR to be rewritten. Offline discussions to take place with Nortel regarding starting index for scrambling code.

## **Status broadcast proposals**

### j63 CPCH status broadcast background presentation (Philips)

The set of slides presented the summary of CPCH status broadcast proposal (relating to the CR's in j18). The physical channel in this proposal is similar to PICH. The selection of bit rate is made on the MAC and the status is checked on the physical layer. The proposal was supported by Nokia and GBT because of its low implementation complexity.

i34 (GBT)

After some discussion, GBT agreed to adopt Philp's proposal in lieu of their proposal.

### j74 Status information for channel assignment for CPCH(Samsung)

This method of status information is tied to Channel Assignment method proposed by Samsung. The basic principle of this proposal is to monitor the data rate instead of the channel since they think that it is more efficient for UTRAN rather than UE to allocate channels.

It was agreed that the basic Philips scheme (j63) for status broadcast will be a working assumption except for the content of messages. It was further decided that all the proponents get together and agree a joint proposal.

## **Other Contributions**

The rest of the contributions not covered in this adhoc will be presented in the plenary.