TSG-RAN meeting #14 **TSGRP#14(01)0840**

Kyoto, Japan, 11th – 14th December 2001

Status Report for WI to TSG

Work Item Name: Enhancement on the DSCH hard split mode

SOURCE: Rapporteur TSG: RAN WG: WG1

E-mail address rapporteur: kimjy@samsung.com

Ref. to WI sheet: RAN_Work_Items.doc

---

1. Progress Report since the last TSG (for all involved WGs):

1.1. Work Task 1: TFCI coding in DSCH hard split mode

- WG1 progress

  During the WG1 #22 meeting in Jeju, draft CR to include the flexible TFCI coding scheme in TS 25.212 was presented and was agreed in principle. Version of TR 25.870 was raised to v1.1.0. Section 4.4.1 of TR 25.870 v1.1.0 for describing “Impact on WG1 specifications” was filled based on the comments on the draft CR. The modified CR will be discussed in the next WG1 meeting. There were discussions that not all of the possible combinations of the number of bits for TFCI code words are needed.

- WG2 progress

  During the WG2 #24 meeting in New York, draft CRs for supporting the WI "Enhancement on the DSCH hard split mode" were presented and the changes in the CRs were regarded to be acceptable.

- WG3 progress

  Updated TR R3.005 was approved as v0.3.0.

  - Section 4.2 Requirements is added.
  - In Section 4.3.1 (Impact on NBAP messages), two solutions are introduced.
  - In Section 4.3.2 (Impact on RNSAP messages), text is modified.
  - In Section 4.4 (Agreements and associated contributions), text for section 4.4.1 (Impact on TS 25.423) is approved to be added.

1.2. Work Task 2: TFCI power control in DSCH hard split mode

- WG1 progress

  During the WG1 #22 meeting in Jeju, TR25.870 which included the modified text proposal was presented according to the decision at WG1 #21 meeting, and LS was sent to other WGs to inform the WG1 status.

  - In Section 5.2, requirements are summarised.
  - In Section 5.3.1, TFCI power control in Release 99 and Rel 4 is introduced.
  - In Section 5.3.2, proposed TFCI power control methods for Rel 5 is introduced.

- Section 5.3.3 describes consideration on the required power offset supporting TFCI power control in the DSCH hard split mode.
- In Section 5.3.4, complexity is described

- WG3 progress

  Updated TR R3.005 is approved as v0.3.0.

  - In Section 5.3.1, TFCI power control in Release 99 and Rel 4 is introduced.
  - In Section 5.3.2, proposed TFCI power control methods for Rel 5 is introduced.
  - In Section 5.3.3, New Information part includes new parameters for supporting TFCI power control in the DSCH hard split mode in Iur/Iub.
  - Section 5.3.4 describes example Iur/Iub signalling scenarios for the method1 and method2.

2. List of Completed elements (for complex work items)

2.1. Work Task 1: TFCI coding in DSCH hard split mode

- WG1 & 2

  Technical impacts on all specifications are in principle agreed.

- WG3

  Impact on all specifications except 25.433 is agreed.

2.2. Work Task 2: TFCI power control in DSCH hard split mode

3. List of open issues

3.1. Work Task 1: TFCI coding in DSCH hard split mode

- WG3

  There are several solutions for NBAP signalling on specially how to transmit *Length of TFCI2* IE, which should be decided.

3.2. Work Task 2: TFCI power control in DSCH hard split mode

- WG3

  - Open issue 1: Is it required to send the actual offsets in the user plane, or could they be signalled in CP and activated by the UP?
  - Open issue 2: Does the application of the power offset in handover states require that synchronised activation between UE and UTRAN is applied?

4. Estimates of the level of completion (when possible):

4.1. Work Task 1: TFCI coding in DSCH hard split mode (90%)

- WG1
  - Version of TR 25.870 is raised to v1.1.0
  - CR for 25.212 is in principle agreed with minor editorial modification.
- WG2
  - Impact on WG2 specifications is already included in TR 25.870.
  - CRs for TS 25.306 & TS 25.331 are in principle agreed.
- WG3
  - Level of completion of this work task is 80%.
  - Completion of this Work task is expected at RAN3#27.

4.2. Work Task 2: TFCI power control in DSCH hard split mode

- WG1
  - Completion of this Work task is expected at RAN1#24.
- WG3
  - Completion of this Work task is expected at RAN3#27.

5. WI completion date review resulting from the discussion at the working group

WI completion date is expected to be RAN#15 (March 2002).

6. References to WG's internal documentation and/or TRs:

- TR 25.870 v1.1.0 (RP-010841)
- TR R3.005 v0.3.0 (R3-013721)