

**Beijing, China, 18th – 21st September 2001**

**Agenda Item: 9.1.8 Enhancement on the DSCH hard split mode**

**Source: Rapporteur**

**Title: Status Report of Work Item “Enhancement on the DSCH hard split mode”**

**Document for: Information**

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This is the rapporteur’s report on the progress made so far in RAN WG 1/2/3 on this work item (WI) “Enhancement on the DSCH hard split mode” since TSG-RAN #12 meeting. TR 25.870 includes the requirements and the technical proposals for this WI.

### **RAN WG1 Status**

RAN WG1 leads this WI. During the last WG1 Rel’5 Ad Hoc and WG1 #21 meeting, the following technical issues [1,2,3] about the WI “Enhancement on the DSCH hard split mode” were discussed.

- i) Requirement of the TFCI Coding scheme for DSCH flexible Hard Split mode
- ii) TFCI Coding scheme for DSCH flexible Hard Split mode
- iii) Mapping rule of TFCI coded symbol for DSCH flexible Hard Split mode

The text proposals for the above items were approved to be included in TR 25.870 and TR 25.870 was revised to v0.3.0. In WG1#21 meeting, it was also agreed to present TR 25.870 in TSG-RAN #13 meeting as v1.0.0.

Also, a proposal for TFCI power control in DSCH hard split mode was discussed in WG1#21 meeting. However, no decision was made about this proposal.

### **RAN WG2 Status**

During the last WG2 #22 and #23 meetings, WI “Enhancement on the DSCH hard split mode” was discussed and it was a consensus that there is very little work that needs to be done by WG2 (a little signalling should be added in RRC after WG1 finishes the relevant work). A text proposal for the impact of this WI on WG2 aspects was discussed [4]. It was approved to include this text proposal in TR 25.870.

### **RAN WG3 Status**

At the RAN3#23, it was agreed that RAN3 would have internal TR (TR R3-005) for the WI “Enhancement on the DSCH hard split mode” and the internal TR R3-005 was updated as v0.2.0 with the followings:

#### **Work Task 1: TFCI coding in DSCH hard split mode**

The following sections have been added after discussion

- 4.3.1. Impact on NBAP messages
- 4.3.2. Impact on RNSAP messages
- 4.3.3. Impact on User Plane

#### **Work Task 2: TFCI power control in DSCH hard split mode**

No contribution has been treated.

According to the decision in RAN3#23 [5], the above contents were also included in TR25.870.

## References

- [1] R1-01-0716, "Requirements for TFCI encoding in variable hard split mode", Ericsson
- [2] R1-01-0763, "TFCI Coding Scheme for the variable Hard Split Mode (revision of R1-01-0731)", Samsung
- [3] R1-01-0935, "Mapping rule of TFCI coded symbol for the flexible Hard Split Mode", Samsung
- [4] R2-01-1915, "Signalling support for WI "Enhancement on the DSCH hard split mode – TFCI coding in DSCH hard split mode", Samsung
- [5] R3-01-2690, "Status Report of Work Item "Enhancement on the DSCH hard split mode", Samsung