
Source: TSG RAN WG3
Title: Reply to LS from RAN WG2 on support of DSCH on the Iur interface
To: TSG RAN WG2
Document :

RAN/WG3 would like to thank WG2 for the additional information about the DSCH management.

WG3 would like to clarify that the identified problem for the support of the 'further refinement' section is related to the case when the SRNC is not the CRNC of the cell with the DSCH.

For the discussion, WG3 has considered two different scenarios:

1. The RNC controlling the cell with the DSCH is the SRNC (note that the DRNCs may use also cells controlled by a DRNC)

In this case the support of what is reported in the 'further refinement' chapter, that is the transmission of the 'phantom TFI', is not considered to be a major problem, but requires modification of the current Frame protocol and NBAP/RNSAP protocol specification.

For this reason WG2 is requested to inform as soon as possible WG3 about the necessity to support such a solution, together with further details about that.

2. The RNC controlling the cell with the DSCH is not the SRNC

WG3 is currently considering this case when 'separate TFCI' is used, and planning to study a mechanism for the capacity allocation procedure and flow control across the Iur between MAC-d and MAC-sh. WG2 is welcome to provide input on how the MAC-d and MAC-sh interaction shall be designed.

Concerning the further refinement solution, WG3 has noted the problem described in the second bullet point of the last frame in the LS (about the timing and synchronisation issue), and WG3 considers the solution for this so complex that it can hardly be defined in the UMTS release 99.

In the case separate TFCIs are used (current assumption within WG3), WG3 does not see any problem. But, for the reasons reported above, WG2 is invited to consider the scenario where the combined TFCI is used only if the CRNC equals to the SRNC. When there is a need to use a DSCH in a DRNC, the two possible actions are:

- Perform a SRNS relocation, that implies that RL in the SRNS (if any) shall be dropped and re-established when the relocation procedure is completed

Reconfigure the physical channel and the transport channel in all the Node Bs in order to switch into the use of the separated TFCIs. This may require also the reconfiguration of the Frame Protocol connections. WG3 has not yet studied the details of this solution .