3GPP TSG-RAN Working Group 3 meeting # 4
1 – 4 June, 1999
Warwick, UK

TSGR3#4(99)485

Title: **Coordinated Transport Channel Reconfiguration**

Source: **Italtel, Siemens, CSELT**

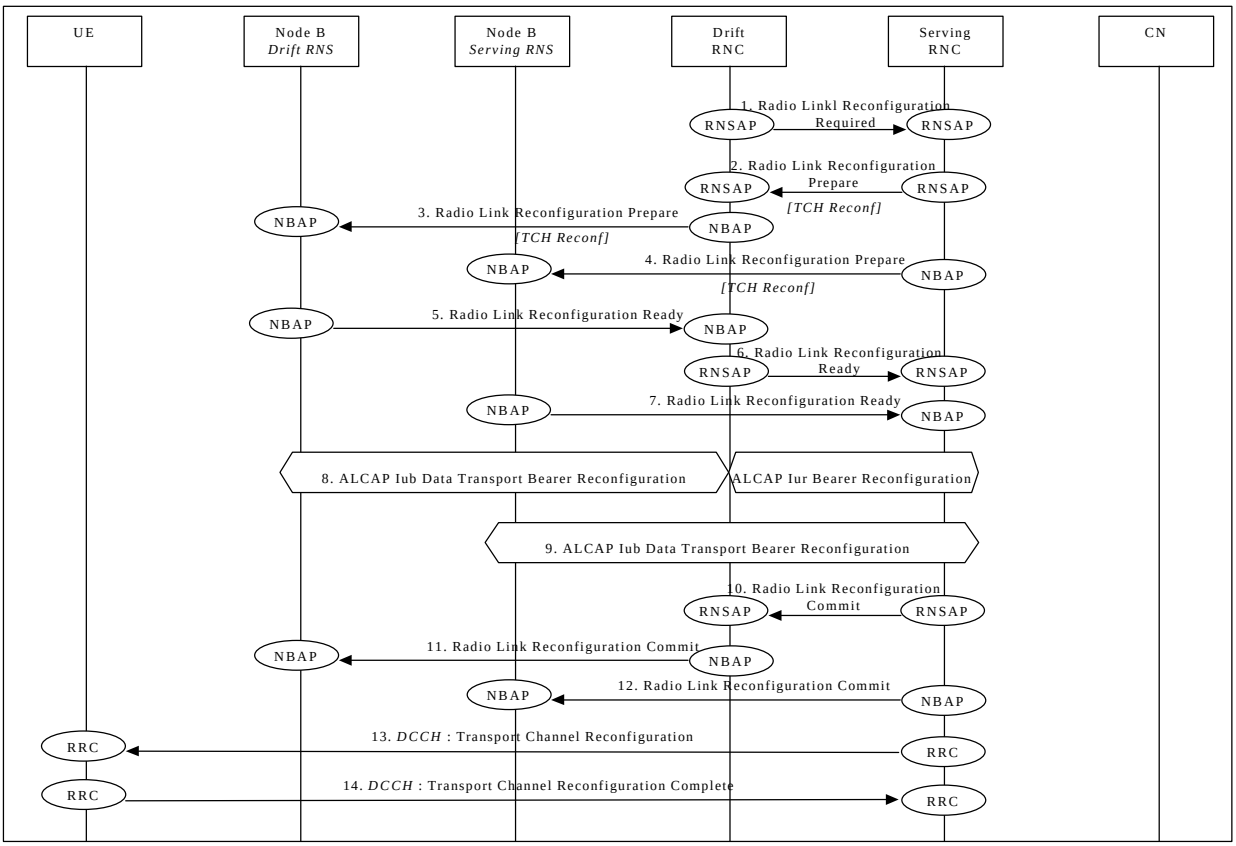
Agenda Item: **7.1 (UTRAN functions, signalling procedures - TR 25.931)**

Document for: **Approval; change of TR 25.931**

This contribution proposes an example for the Coordinated Transport Channel Reconfiguration procedure on a dedicated channel (DCH).
We propose to replace in the TS 25.931 'UTRAN Functions, Example on Signalling Procedure' the content of section 9.20.1 with the section presented in this document.

Coordinated Transport Channel Reconfiguration

The procedure can be applied when the reconfiguration requires being coordinated among Node-Bs, i.e. the UE is connected to more than one Node B.



Coordinated Transport Channel Reconfiguration

1. DRNC decides that a Transport Channel Reconfiguration is needed and sends the RNSAP message **Radio Link Reconfiguration Required** to the SRNC. This message is optional and is used only when there is the need to trigger a Transport Channel Reconfiguration by the DRNC.

2. SRNC decided that there is a need for a synchronous Transport Channel Reconfiguration and requests DRNC to prepare reconfiguration of DCH.
   Parameters: Transport Format Set, Transport Format Combination Set, Power control information, instructions for DCH mapping on Iub Data Transport Bearers.
3. DRNC requests its Node B to prepare reconfiguration of DCH to carry the RAB (**Radio Link Reconfiguration Prepare**).
   Parameters: Transport Format Set, Transport Format Combination Set, Power control information, DL channelisation code.
4. SRNC requests its Node B to prepare reconfiguration of DCH to carry the RAB (**Radio Link Reconfiguration Prepare**).
   Parameters: Transport Format Set, Transport Format Combination Set, Power control information, Time Slots (TDD only), User Codes (TDD only).
5. Node B allocates resources and notifies DRNC that the reconfiguration is ready (**Radio Link Reconfiguration Ready**).
   Parameters: Transport layer addressing information (AAL2 address, AAL2 Binding Id) for Iub Data Transport Bearer.
6. DRNC notifies SRNC that the reconfiguration is ready (**Radio Link Reconfiguration Ready**).
   Parameters: Transport layer addressing information (AAL2 address, AAL2 Binding Id) for Iub Data Transport Bearer.
7. Node B allocates resources and notifies SRNC that the reconfiguration is ready (**Radio Link Reconfiguration Ready**).
   Parameters: DL channelisation code Per Cell (FDD only), Transport layer addressing information (AAL2 address, AAL2 Binding Id) for Iub Data Transport Bearer.
8. SRNC initiates (if needed) reconfiguration of Iur/Iub Data Transport Bearer using ALCAP protocol. This request contains the AAL2 Binding Identity to bind the Iur/Iub Data Transport Bearer to DCH.
9. SRNC initiates (if needed) reconfiguration of Iub Data Transport Bearer using ALCAP protocol. This request contains the AAL2 Binding Identity to bind the Iub Data Transport Bearer to DCH.
10. RNSAP message **Radio Link Reconfiguration Commit** is sent from SRNC to DRNC.
11. NBAP message **Radio Link Reconfiguration Commit** is sent from DRNC to Node B.
12. NBAP message **Radio Link Reconfiguration Commit** is sent from SRNC to Node B.
13. RRC message **Transport Channel Reconfiguration** is sent by SRNC to UE.
14. UE sends RRC message **Transport Channel Reconfiguration Complete** to SRNC.