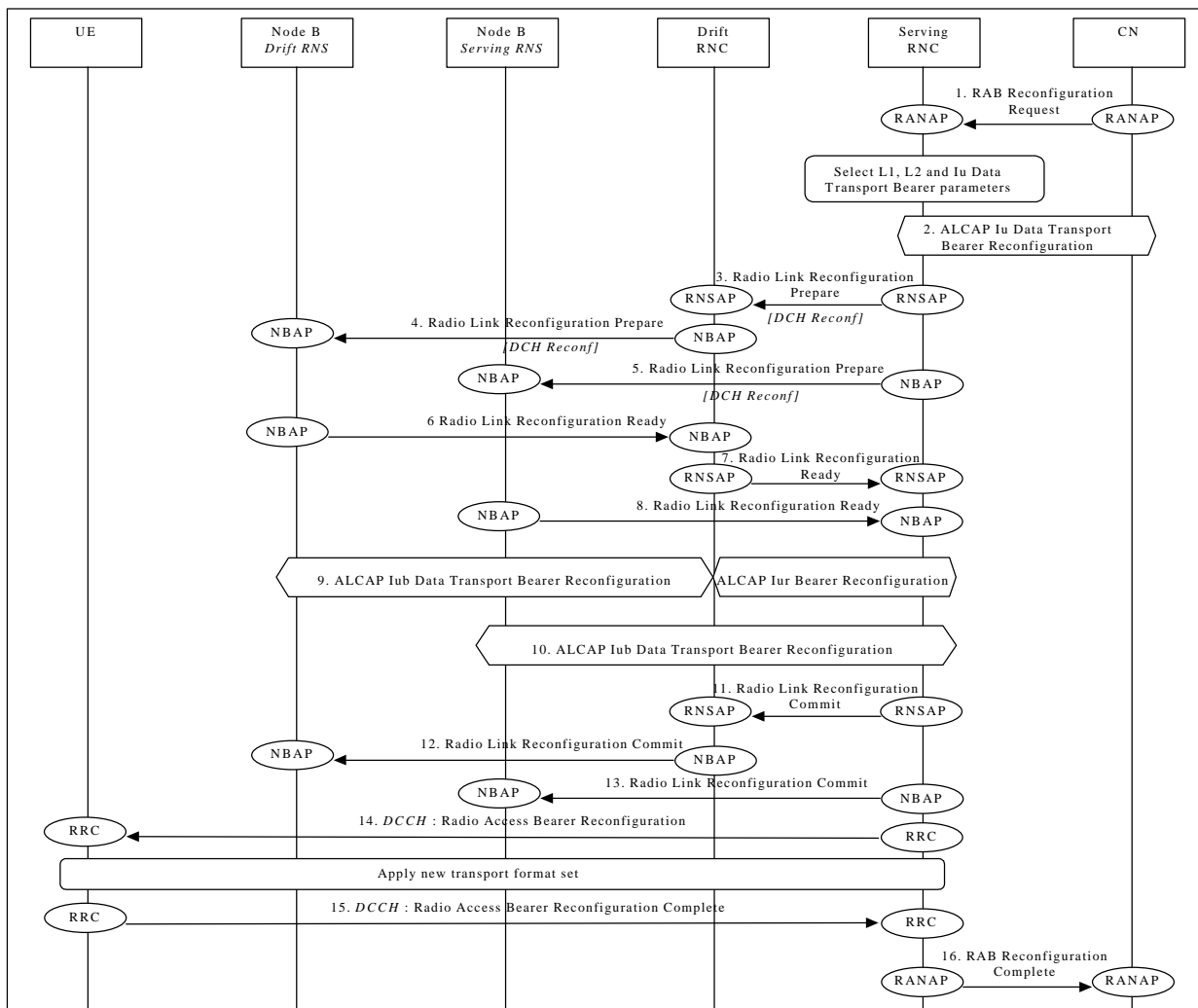


**Title:** Coordinated Radio Access Bearer Reconfiguration  
**Source:** Italtel, Siemens, CSELT  
**Agenda Item:** 7.1 (UTRAN functions, Signalling Procedures – TR 25.931)  
**Document for:** Approval; change of TR 25.931

This contribution proposes an example for the Coordinated Radio Access Bearer Reconfiguration procedure on a dedicated channel (DCH) when the RRC connection already uses a dedicated channel (DCH). We propose to include these example in TR 25.931 'UTRAN Functions, Example on Signalling Procedure' (section 9.9.1).

### Coordinated RAB Reconfiguration - DCH - DCH Reconfiguration

In this example the UE communicates via two Nodes B. One Node B is controlled by SRNC, the other by DRNC. The procedure shall be used when the reconfiguration requires being coordinated among Node-Bs, SRNC and UE.



## Radio Access Bearer Reconfiguration - DCH to DCH Reconfiguration - Coordinated

1. CN initiates reconfiguration of the radio access bearer with RANAP message **Radio Access Bearer Reconfiguration Request**.  
Parameters: RAB QoS parameters, Transport layer addressing information (AAL2/5 address, AAL2/5 Binding Identity) for Iu Data Transport Bearer.
2. SRNC initiates reconfiguration of Iu Data Transport bearer using ALCAP protocol. This request contains the AAL2 Binding Identity to bind the Iu Data Transport Bearer to the Radio Access Bearer.
3. SRNC requests DRNC to prepare reconfiguration of DCH to carry the RAB (**Radio Link Reconfiguration Prepare**).  
Parameters: Transport Format Set, Transport Format Combination Set, Power control information, instructions for DCH mapping on Iub Data Transport Bearers.
4. 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.
5. 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).
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. RNSAP message **Radio Link Reconfiguration Commit** is sent from SRNC to DRNC.
12. NBAP message **Radio Link Reconfiguration Commit** is sent from DRNC to Node B.
13. NBAP message **Radio Link Reconfiguration Commit** is sent from SRNC to Node B.
14. RRC message **Radio Access Bearer Reconfiguration** is sent by SRNC to UE.  
Parameters: Transport Format Set, Transport Format Combination Set, DL channelisation code per cell (FDD only), Time Slots (TDD only), User Codes (TDD only).
15. UE sends RRC message **Radio Access Bearer Reconfiguration Complete** to SRNC.
16. SRNC sends RANAP message **Radio Access Bearer Reconfiguration Complete** to CN.