3GPP TSG-RAN Working Group 3 meeting # 4
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Warwick, UK

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**Title:** **Uncoordinated 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**

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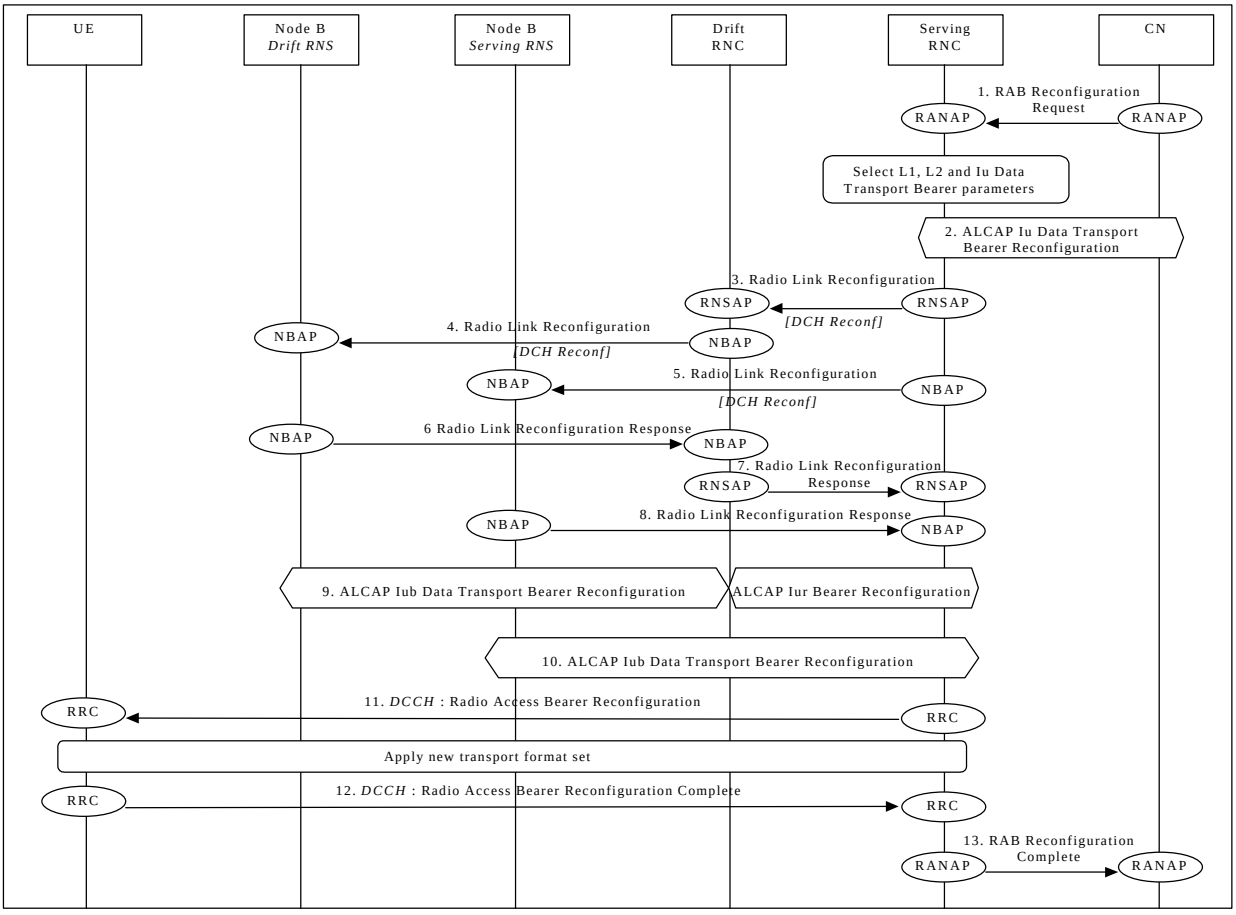
This contribution proposes an example for the Uncoordinated Radio Access Bearer Reconfiguration procedure on a dedicated channel (DCH) when the RRC connection already uses a dedicated channel (DCH). We propose to include these examples in TR 25.931 'UTRAN Functions, Example on Signalling Procedure' (section 9.9.1.2).

# Uncoordinated RAB Reconfiguration - DCH to 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 can be applied when the reconfiguration does not require being coordinated among Node-Bs, SRNC and UE.




**Uncoordinated RAB Reconfiguration - DCH to DCH Reconfiguration**

1. CN initiates reconfiguration of the radio access bearer with RANAP **Radio Access Bearer Reconfiguration Request** message.
   Parameters: RAB QoS parameters, AAL2/5 binding Identity

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 decided that there are no need for a synchronous RL reconfiguration, and requests DRNC to reconfigure the DCH. It includes in the message **Radio Link Reconfiguration** that the modification shall be done immediately without waiting for the command message.
   Parameters: Bearer ID, Mode= Uncoordinated, Transport Format Set, Transport Format Combination Set, Power control information
4. DRNC requests its Node B to reconfigure the DCH in the existing Radio Link (**Radio Link Reconfiguration**)**.**
   Parameters: Bearer ID, Mode= Uncoordinated, Transport Format Set, Transport Format Combination Set, Power control information.
5. SRNC requests its Node B to reconfigure the DCH in the existing Radio Link (**Radio Link Reconfiguration**).
   Parameters: Bearer ID, Mode= Uncoordinated, Transport Format Set, Transport Format Combination Set, Power control information.
6. Node B allocates resources and notifies DRNC that the reconfiguration is done (**Radio Link Reconfiguration Response**).
   Parameters: Transport layer addressing information (AAL2 address, AAL2 Binding Id) for Iub Data Transport Bearer.
7. DRNC notifies SRNC that the reconfiguration is done (**Radio Link Reconfiguration Response**).
   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 done (**Radio Link Reconfiguration Response**).
   Parameters: 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. 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).
12. UE sends RRC message **Radio Access Bearer Reconfiguration Complete** to SRNC.
13. SRNC sends RANAP message **Radio Access Bearer Reconfiguration Complete** to CN.