

Title: Inter RNS Hard Handover via Iur

Source: Italtel, Siemens, CSELT

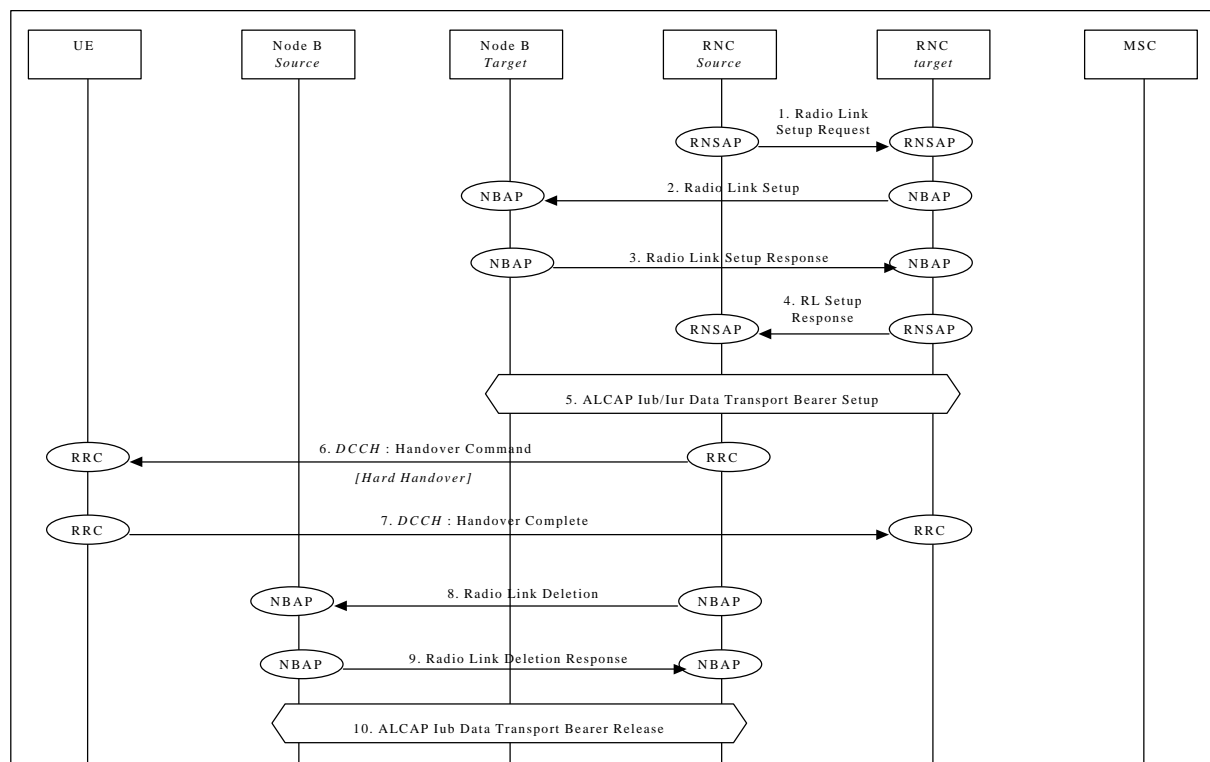
Agenda Item: 7.1 (UTRAN functions, signalling procedures - TR 25.931)

Document for: Approval; change of TR 25.931

This contribution proposes an example for the Inter RNS Hard Handover procedure via Iur where a DCH is established on the Iur. It is proposed to replace in TS 25.931 'UTRAN Functions, Example on Signalling Procedure' the content of section 9.13.2.1 with the section presented in this document.

Inter-RNS Hard Handover via Iur

This example shows the Inter RNS Hard Handover procedure via Iur, assuming that a DCH is established on this interface.



Inter-RNS Hard Handover via Iur (DCH on Iur)

1. Source RNC sends RNSAP message **Radio Link Setup Request** to the target RNC.
Parameters: s-RNTI, Cell id, Transport Format Set, Transport Format Combination Set.
2. The target RNC allocates RNTI and radio resources for the RRC connection, and sends the NBAP message **Radio Link Setup** to the target Node B.
Parameters: Cell id, Transport Format Set, Transport Format Combination Set, frequency, UL scrambling code (FDD only), Time Slots (TDD only), User Codes (TDD only), DL channelisation code (FDD only), Power control information.

3. Node B allocates resources, starts PHY reception, and responds with NBAP message **Radio Link Setup Response**.
Parameters: Signalling link termination, Transport layer addressing information for the Iub Data Transport Bearer.
4. When the target RNC has completed preparation phase, RNSAP message **Radio Link Setup Response** is sent to the source RNC.
5. Source RNC initiates set-up of Iur/Iub Data Transport bearer using ALCAP protocol. This request contains the AAL2 Binding Identity to bind the Iub Data Transport Bearer to the DCH.
6. Source RNC sends a RRC message **Handover Command** to the UE.
7. When the RRC connection is established with the target RNC and necessary radio resources have been allocated the UE sends RRC message **Handover Complete** to the target RNC.
8. The source RNC sends NBAP message **Radio Link Deletion** to Node B.
Parameters: Cell id, Transport layer addressing information.
9. Node B deallocates radio resources. Successful outcome is reported in NBAP message **Radio Link Deletion Response**.
10. The source RNC initiates release of Iub Data Transport bearer using ALCAP protocol.