

Title: Inter-Node B (Intra-RNS) Hard Handover

Source: InterDigital

Agenda Item: 7.1 (UTRAN functions, 25.931)

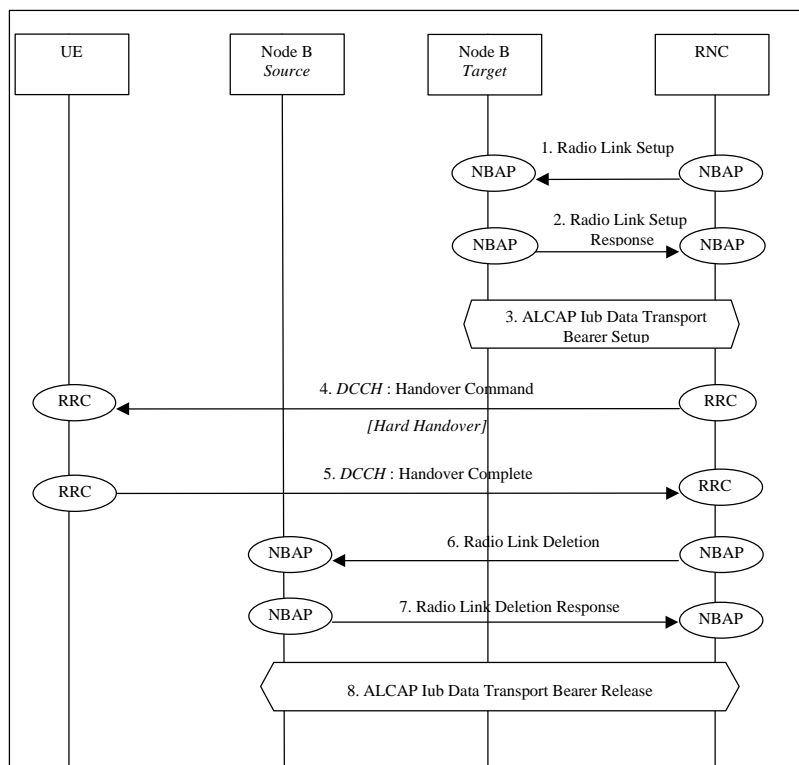
Document for: Approval; change of 25.931

This contribution is intended to clarify the Intra-RNS (Inter-Node B) Hard Handover procedure in the document 25.931 “UTRAN Functions, Example on Signaling Procedure”. The following is proposed.

Add the section 9.13.1.2 Inter-Node B Hard Handover in the document 25.931 “UTRAN Functions, Example on Signaling Procedure”.

9.13.1.2 Inter-Node B Hard Handover

This section shows an example of Inter-Node B Hard Handover procedure assuming that a DCH is established on this interface.



Inter-Node B Hard Handover

1. RNC sends **Radio Link Setup Request** message to the target Node B.

Parameters: Cell Id, Transport Format Set, Transport Combination Set, Frequency, UL scrambling code (FDD only), Time slots (TDD only), User codes (TDD only), DL channelization code (FDD only), and Power control information.

2. Target Node B allocates resources, starts PHY reception, and responses with NBAP message **Radio Link Setup Response**.

Parameters: Signalling link termination, Transport layer addressing information for the Iub Data Transport Bearer.

3. RNC initiates set-up of Iub Data Transport bearer using ALCAP protocol. This request contains the AAL2 Binding Identity to bind the Iub Data Transport Bearer to the DCH. The request for set-up of Iub Data Transport bearer is acknowledged by Target Node B.
4. RNC sends a RRC message **Handover Command** to the UE.
5. When the RRC connection is established via the target Node B and necessary radio resources have been allocated the UE sends RRC message **Handover Complete** to the RNC.
6. The RNC sends NBAP message **Radio Link Deletion** to the source Node B.
Parameters: Cell id, Transport layer addressing information.
7. The source Node B de-allocates radio resources. Successful outcome is reported in NBAP message **Radio Link Deletion Response**.
8. The RNC initiates release of Source Node B Iub Data Transport bearer using ALCAP protocol.