TSG-RAN Working Group 3 meeting #7
20-24 September 1999
Sophia Andipolis, France

R3-99c50

Agenda Item: 6.7

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Title: Allocation of DL Channelization Code

Document for: Discussion

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1. Introduction

It is already agreed that allocation of DL Channelization Code is handled at RNC. But it could cause inconsistency of codes handled between S-RNC and NodeB. In this contribution a solution to avoid this inconsistency is proposed.

2. Discussion

Allocation of DL Channelization Code is handled only at the S-RNC, so that the codes handled at the S-RNC could be inconsistent with those of the NodeB by following reasons :

1. Transaction loss due to congestion
2. Transaction loss due to overload of CPU
3. Some reasons caused by implementation

Figure 1 shows the present procedure when S-RNC allocates the DL Channelization Code. Figure 2 shows the case when inconsistency of code would happen between S-RNC and NodeB. To avoid these inconsistencys, two solutions could be raised :

(1). To introduce 'Code Comparison' procedure shown in Figure 3
(2). To allocate DL Channelization Code at NodeB

Regarding (1), it needs additional procedure like Figure 3 and we have to study what is the trigger of this procedure.
Regarding (2), no procedure will be needed.
So, (2) is desirable.

3. Proposal

We propese that allocation of DL Channelization Code is handled at NodeB and that the relevant documents are modified in alignment with this proposal.

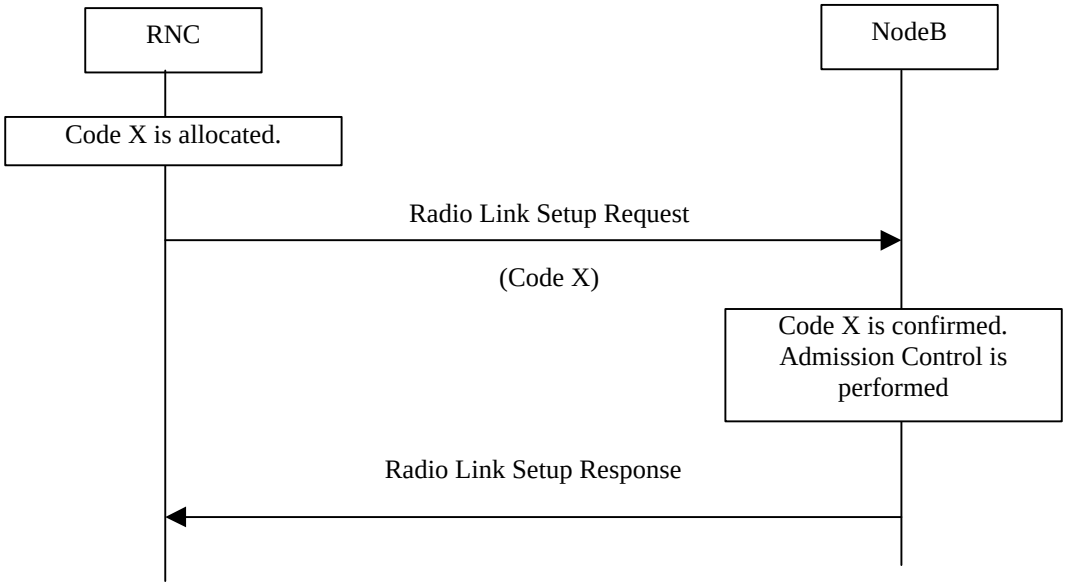

Figure 1 Present code allocation procedure

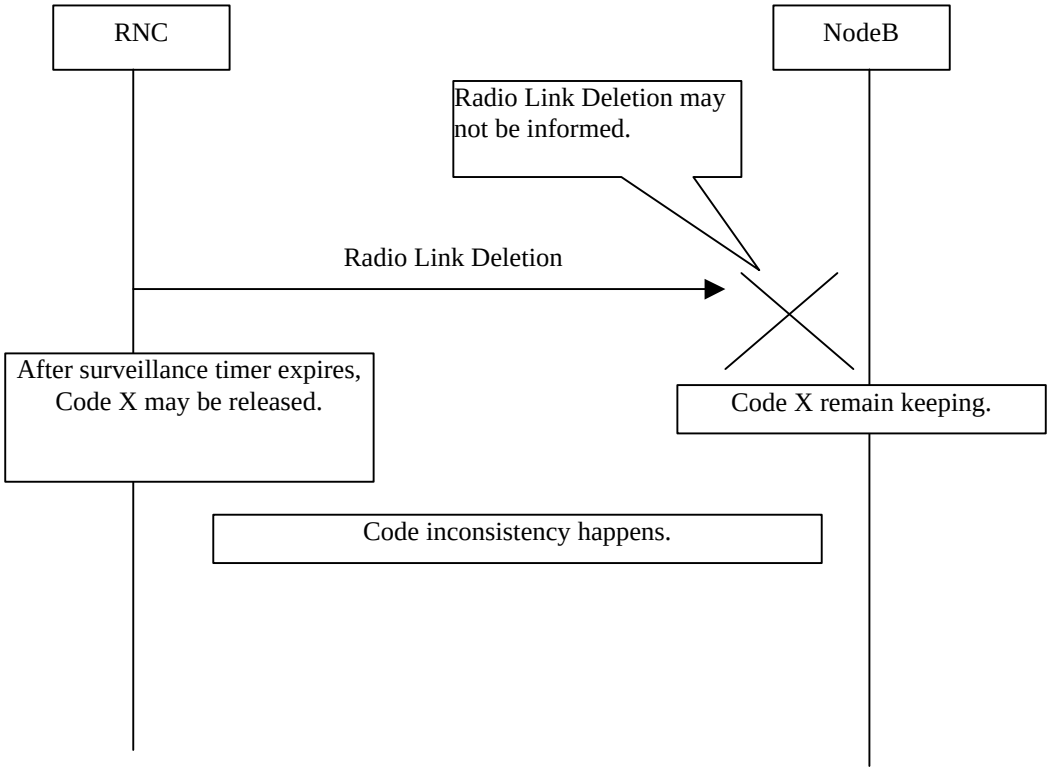

Figure 2 Example case of code inconsistency between RNC and NodeB

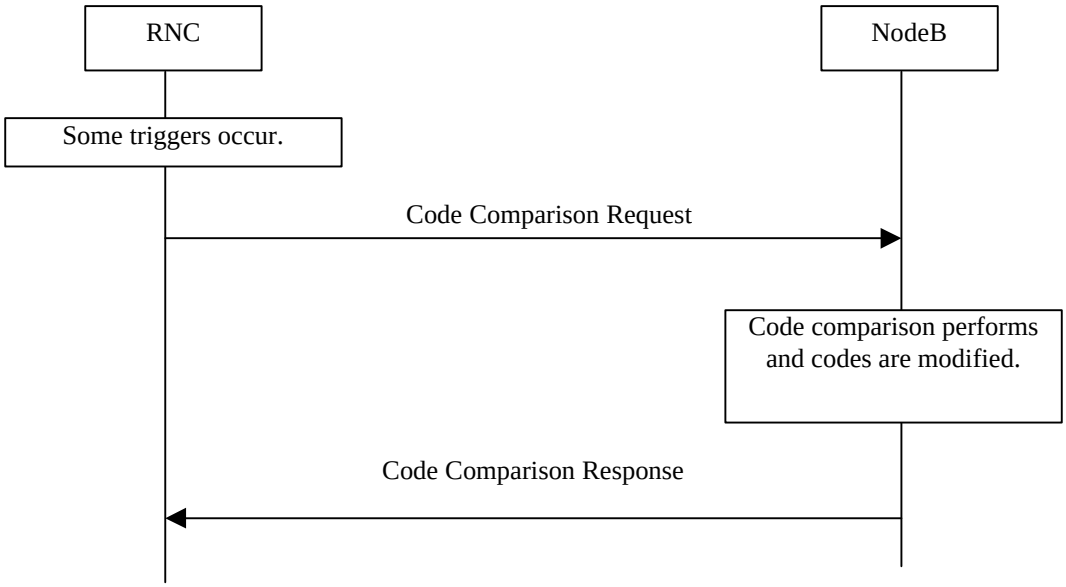

Figure 3 Code Comparison procedure