

**Agenda Item:** 8

**Source:** Fujitsu

**Title:** Proposed RRC Connection Re-establishment Procedure

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Abstract : RRC re-establishment procedure is now FFS. This contribution proposes its procedure for the starting discussion.

### 1. Introduction

RRC re-establishment procedure is now FFS. This contribution proposes its procedure for the starting discussion. It is used after RRC connection is broken impermanently. Such case may happen when MS goes through the tunnel. In this case, if possible, radio connection should be kept for the user convenience. In order to realise it, RRC re-establishment procedure will be introduced.

### 2. Discussion

RRC connection re-establishment procedure will be almost as same as Cell or URA update procedure because MS can use only CCCH after the connection is broken. Figure 1 is the general proposed elementary procedure..

But, considering with the case before the connection broken and the case after the connection broken, MS does not necessarily keep to locate in the same sector. So in the specific cases, simpler procedures could be possible. They are shown in Figure 2 and Figure 3.

Figure 1 indicates the general case.

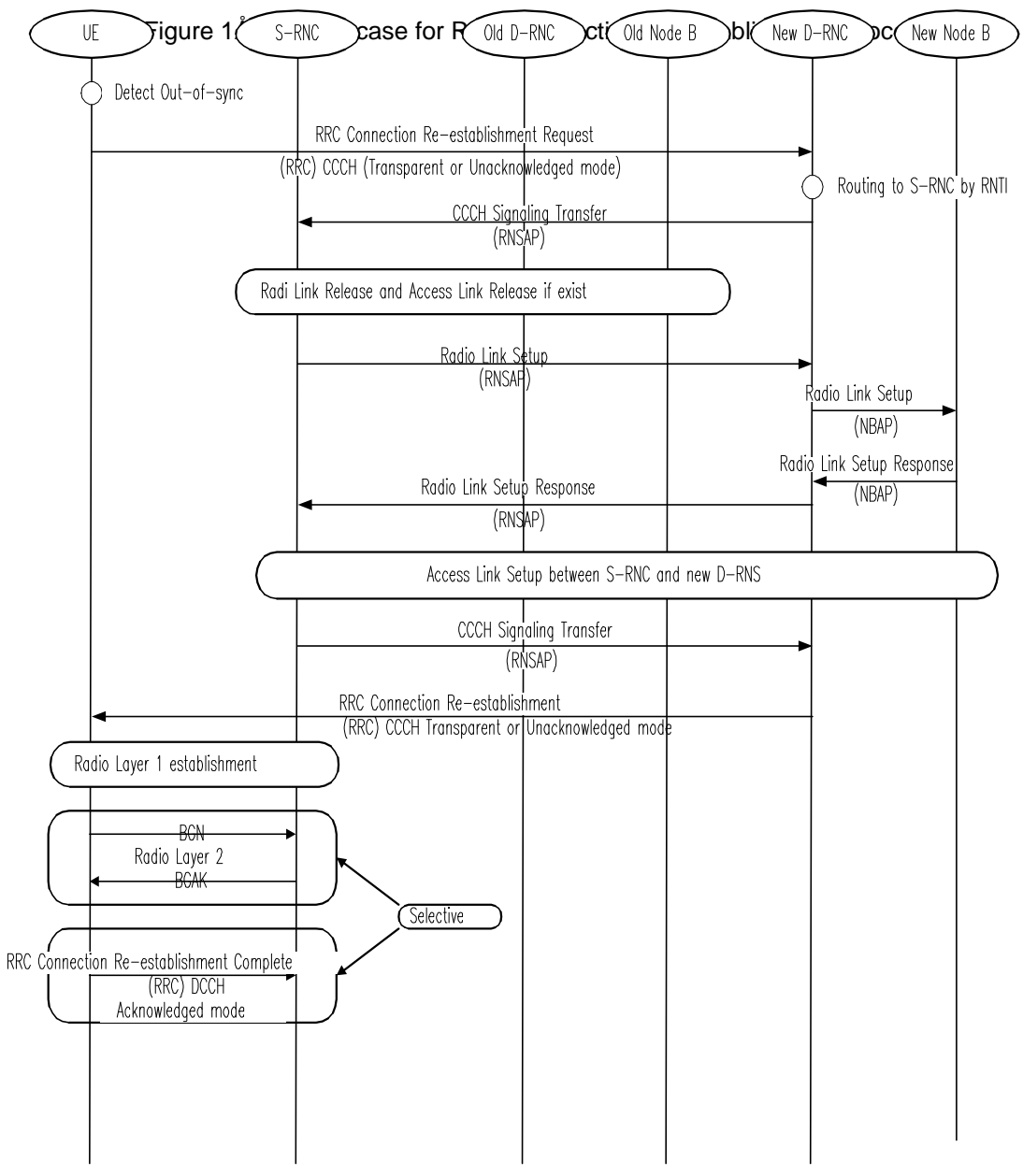
Figure 2 indicates the case Node B is the same but the sectors are different between before and after the connection broken. In this case, it may be enough to setup only the new radio resources again.

And figure 3 indicates the case the sectors are the same. In this case, it may be enough only to setup the initial DL power control.

### 3. Proposal

It is proposed that this contribution should be treated as the starting material for the study of RRC re-establishment procedure.

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UE

Node B

CRNS

SRNC



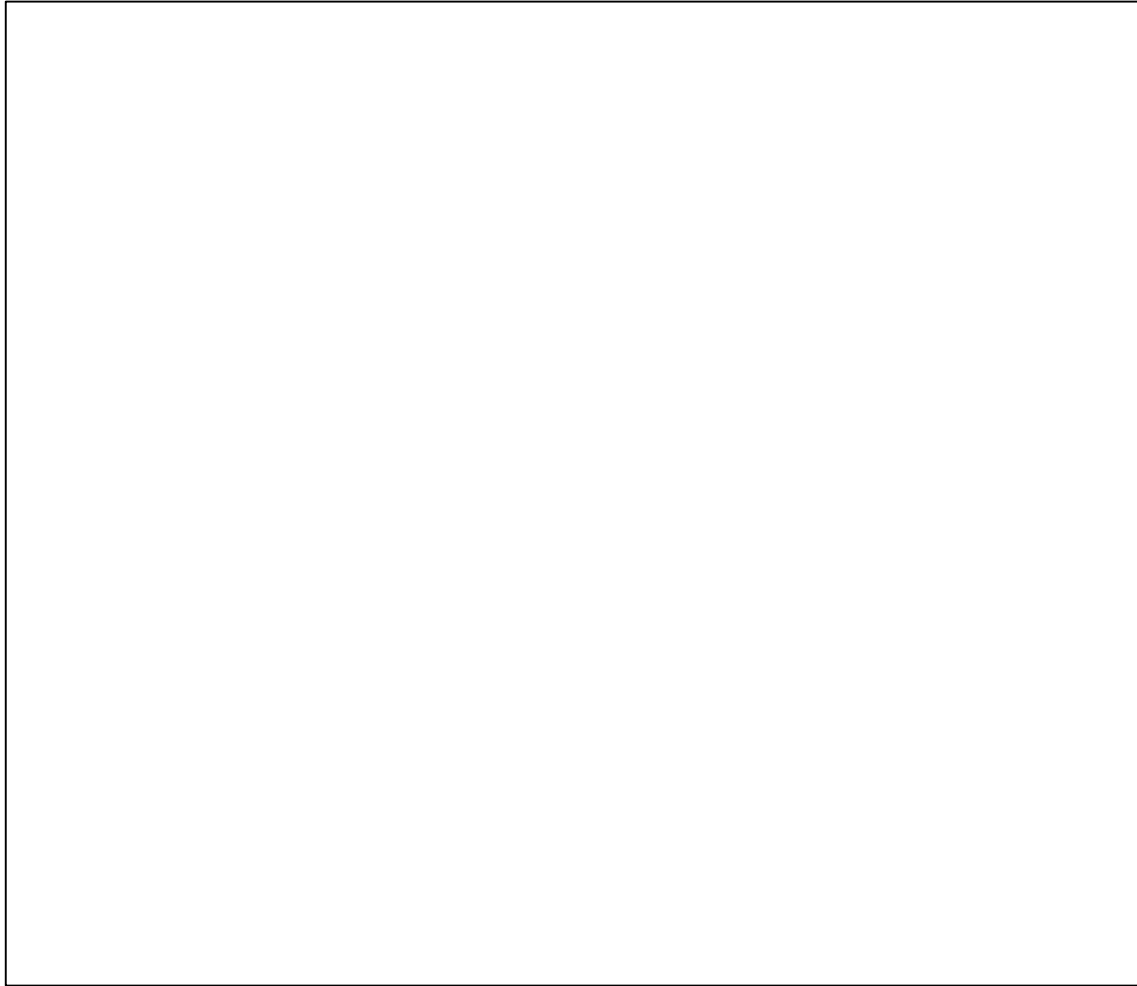
are different but Node B is the same the same.

UE

Node B

CRNS

SRNC



are same.

