# TSGW3#3(99)446

TSG-RAN Working Group 3 meeting #4 Warwick 1st -4th June 1999

**Agenda Item:** 10 Iu signalling (RANAP) (25.413)

Source: NEC

**Title:** Relocation Detect Message in RANAP

**Document for:** Discussion and Decision

#### Reference

[1] R3-99340: SRNC Relocation Detect Message for SRNC Relocation Procedure (Nokia) [2] R3-99339: Merging of SRNC Relocation and Handover RANAP Procedures (Nokia)

### 1. Abstract

In the last RAN-WG3 meeting which was held in Kawasaki, Nokia proposed to have a new SRNC Relocation Detect message in Iu: RANAP[1]. (However this was later incorporated into Relocation Detect message after discussing merge SRNC Relocation and Hard Handover [2]) This contribution is to clarify the use of the Relocation Detect message and propose to have this Relocation Detect message as an OPTIONAL message.

### 2. Discussion

There are several cases that the Iu Relocation procedure can be initiated in 3GPP standardization. (1) Initiated by RRC:Cell/URA Update, (2) Initiated by SRNC autonomously, (3) Hard handover (Change Frequency).

When the communication between UE and Network is a real time service (e.g. speech/video), the data transferring in the RNC should be handled strictly. In the Relocation procedure, there may have some situations that the RNC should perform this. For instance, when Relocation procedure is initiated by SRNC or Hard handover (Change Frequency), the Target RNC should transfer the received data from UE to CN as soon as the Target RNC starts to act as a Serving RNC. This has been explained in [1]. Our understanding procedure is shown in figure 1.

However, it is thought that not all the Relocation procedures are related to the real time service, e.g. the Relocation procedure can be initiated by the Cell update, and the Cell update can be related to a non-real time service e.g. best effort service.

Moreover, having a look at the procedure related to the Cell Update (figure 2), it is also thought that there is no difference whether to send Relocation Detect message or Relocation Complete message. Rather, it may increase the amount of messages if the Relocation Detect message is used in this case. Therefore it is thought that there is no necessity to send the Relocation Detect to the CN while the Relocation Procedure is initiated by cell update. (and also URA Update)

## 3. Proposal

It is proposed that the Relocation Detect message can be specified as an OPTIONAL message in RANAP.

Note: The figures shown here are only for discussion in the meeting.

These figures are based on the 25.931 and the agreement at the last meeting.

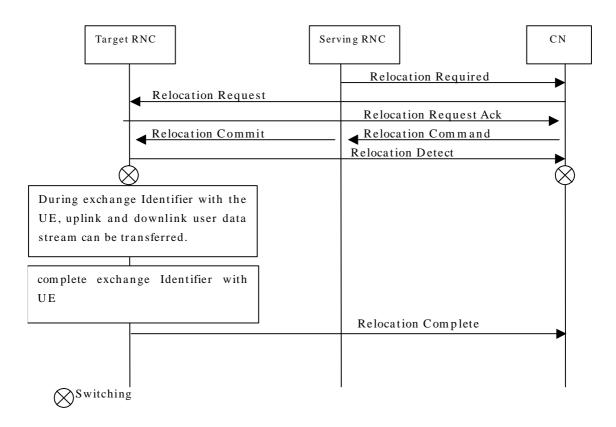


Figure 1 Relocation Procedure Initiated by RNC autonomously

