TSG-RAN Meeting #16 RP-020387
Marco Island, Florida, USA, 4 – 7 June 2002

Title: **Proposed WI, SRNS Relocation Enhancements**
Source: **Nokia**
Agenda Item **8.10**

Work Item Description

Title
SRNS Relocation Enhancements

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items
None

3 Justification
SRNS relocation is used to move the control of a UE connection from a source (old serving) RNC to a target (new serving) RNC. This means that both control and user plane are moved to the target (new serving) RNC.

The current SRNS relocation procedure was finalized for Release 99. In order to have this essential basic feature ready for release 99, some enhancements and smarter handling were not introduced at that time.

For example the current SRNS relocation procedure requires that the Drift RNC controls and maintains all the radio links prior to it becoming the target RNC. Indeed the relocation of a UE to a Drift RNC when another Drift RNC is involved or when previous SRNC is involved is currently not possible. The Iu-r, while the relocation is taking place, is not allowed to establish connections from the new SRNC to the previously existing or new DRNCs or to the previous SRNC. Both of these relocation scenarios are included in TR 25.832 Manifestations for Handover and SRNS Relocation (section 5.2.2), but are marked as unsupported by R99 procedures.

4 Objective
This work item should enhance the SRNS relocation procedure and handling in order to enable and enhance flexibility in relocating UEs and serving role of RNC.

5 Service Aspects
None/Text

6 MMI-Aspects
None/Text

7 Charging Aspects
None/Text

8 Security Aspects
None/Text

9 Impacts

The Core Network part of Iu signalling (RANAP) is not affected by the changes implied in the SRNS Relocation Procedure enhancement i.e. enabling SRNS relocation of UE with radio link(s) toward SRNC and/or more than one DRNC.

Affects:	USIM	ME	AN	CN	Others
Yes			X		
No	X	X			X
Don't know				X	

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR	SRNS Relocation Enhancement	R3			RAN#20	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11 Work item raporteurs

Olivier Guyot, Nokia.

12 Work item leadership

TSG-RAN WG3

13 Supporting Companies

Hutchison 3G, Vodafone Group, T-Mobil Deutchland, Nokia.

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature

14b The WI is a Building Block: parent Feature

14c The WI is a Work Task: parent Building Block

UTRAN Improvement Feature