Source:	Vodafone Ltd
Title:	Proposed new Work Item Description for Network Assisted Cell Change from UTRAN to GERAN.
Agenda Item:	8.10
Document for:	Approval

Introduction

In the time between RAN3#26 and RAN3#27, there was an email discussion on the concept of Network Assisted Cell Change from UTRAN to GERAN. The feedback to Vodafone indicated that a Work Item should be created to carry out the work within RAN3. The proposed work item description is shown below.

Work Item Description

Title

Network Assisted Cell Change (NACC) from UTRAN to GERAN.

1   3GPP Work Area

X	Radio Access
X	Core Network
	Services

2   Linked work items

Independent feature.

3   Justification

The existing interruption time due to inter system cell change is significant and undermines the ability to provide services and offer good service continuity. This work item will improve cell change performance from UTRAN to GERAN, and hence improve the possible to offer service continuity during the transition from UTRAN to GERAN.

4   Objective

This work item will provide enhanced service quality regarding:
- *Reduction of the service outage time at cell reselection from UTRAN to GERAN to more acceptable levels;*
- *Reduced data loss for real-time packet services at the cell-change from UTRAN to GERAN;*
- *Reduced the pause/break in non real-time service to the UE.*

5   Proposed building blocks and work tasks:

Feature	Building Block	Work Task	Date of completion
NACC from UTRAN to GERAN.	Modification of stage 2 specifications/ technical reports to define NACC from UTRAN to GERAN.	Stage 2 • Concept • TS 23.060 change - Definition of NACC from UTRAN to GERAN • TR 44.901 change - Definition of NACC from UTRAN to GERAN.	RAN#17
	Modification of RANAP protocol to enable NACC signalling from GERAN to UTRAN over Iu-PS Interface (and Iur interface?)	Stage 3 (changes to) • 25.413 • 25.423?	RAN#18

6   Service Aspects

None.

7   MMI-Aspects

None.

8   Charging Aspects

None.

9   Security Aspects

None.

10   Impacts

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

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

Finalisation of this work item is planned for RAN#18.

12   Work item rapporteurs

Vodafone Ltd – Tim Frost

13   Work item leadership

TSG RAN WG3

14   Supporting Companies

Vodafone Ltd

15   Classification of the WI (if known)

X	Feature (go to 15a)
	Building Block (go to 15b)
	Work Task (go to 15c)

15a   The WI is a Feature: List of building blocks under this feature
-   Modification of Stage 2 specifications and technical reports to define NACC from UTRAN to GERAN
-   Modification of RANAP protocol to enable NACC signalling from GERAN to UTRAN over Iu-PS Interface (and Iur interface?).

15b   The WI is a Building Block: parent Feature

15c   The WI is a Work Task: parent Building Block