3GPP TSG CN Plenary Meeting #21 **NP-030417**
17th - 19th September 2003. Frankfurt, Germany.

Source: **TSG CN WG 1**

Title: **CRs to Rel-5 on Work Item LATE_UE towards 23.009 and 29.018**

Agenda item: **8.9**

Document for: **APPROVAL**

Introduction:

This document contains **2** CRs, **Rel-5 to** Work Item **"LATE_UE"**, that have been agreed by **TSG CN WG1 in CN1#31 meeting**, and are forwarded to TSG CN Plenary meeting #21 for approval.

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	C_Version	Rel
N1-031099	Correction to UESBI-Iu definition	23.009	099		F	5.5.0	Rel-5
N1-031120	Correction to location update procedures in VLR	29.018	039		F	5.4.0	Rel-5

3GPP TSG-CN1 Meeting #31 **Tdoc N1-031120**
Sophia-Antipolis, France, 25 – 29 August 2003

CR-Form-v7

CHANGE REQUEST

⌘ **29.018** **CR** **039** ⌘ **rev** **-** ⌘ Current version: **5.4.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☒

Title: ⌘	Correction to location update procedures in VLR	
Source: ⌘	Vodafone	
Work item code: ⌘	LATE_UE	***Date:*** ⌘ 11/08/2003
Category: ⌘	**F**	***Release:*** ⌘ Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change: ⌘	SA2 have indicated to CN1 that the recently added wording for the handling of the 'early UE' feature is restrictive. The Requirement is that in the case where the combined update procedure is used and the SGSN did not send the IMEISV to the VLR, then the VLR should be able to obtain the IMEISV in other ways. Currently, the specification states that using the DTAP IDENTITY REQUEST/RESPONSE procedure is the way to do this. However, there is an alternative way of doing this. Where GSM is the radio access, the VLR can use the cipher mode command procedure to obtain the IMEISV. This needs to be reflected in 29.018.
Summary of change: ⌘	The procedures at the VLR when handling the BSSAP+-LOCATION-UPDATE-REQUEST message without an IMEISV, should be made more generic, in order to allow the VLR to obtain the IMEISV from the UE in more than one way.
Consequences if not approved: ⌘	Incorrect stage three specification of the Early UE feature

Clauses affected: ⌘	6.3			
	Y	**N**		
Other specs affected: ⌘		**X**	Other core specifications	⌘
		X	Test specifications	
		X	O&M Specifications	
Other comments: ⌘				

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

6.3 Procedures in the VLR

When a VLR receives a BSSAP+-LOCATION-UPDATE-REQUEST message it shall check whether the IMSI is known. If the IMSI is not known the VLR shall retrieve the MM context of the MS from the HLR.

For a VLR supporting the "Provision of UE Specific Behaviour Information to Network Entities" (see 3GPP TS 23.195 [23]) the following applies:

- The VLR shall store the IMEISV value received in the BSSAP+-LOCATION-UPDATE-REQUEST message in theMM context for that MS.
- If the VLR receives a BSSAP+-LOCATION-UPDATE-REQUEST message without IMEISV information element, the MSC/VLR shall request the IMEISV from the MS ~~by means of a Direct Transfer or DTAP Identification procedure~~ at the next Iu-CS or A interface connection establishment.

3GPP TSG-CN1 Meeting #31 **Tdoc N1-031099**
Sophia-Antipolis, France, 25 – 29 August 2003

CR-Form-v7

CHANGE REQUEST

⌘ **23.009** **CR** **099** ⌘ **rev** **-** ⌘ Current version: **5.5.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network **X**

Title:	⌘	Correction to UESBI-Iu definition
Source:	⌘	Nokia
Work item code:	⌘	LATE_UE
Date:	⌘	18/08/2003
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)

Reason for change:	⌘	LS from SA2 (N1-030975) indicating that the definition of UESBI-Iu is currently not in line with TS 23.195 where the term 'RAN' is used which includes also GERAN.
Summary of change:	⌘	Change 'UTRAN' to 'RAN' to be in line with the definition in 23.195.
Consequences if not approved:	⌘	Misalignment with TS 23.195 and GERAN Iu mode would not be considered.

Clauses affected:	⌘	3.2 Definitions			
Other specs affected:	⌘	**Y**	**N**		
			X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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3.2 Definitions

The following terms are used in this Technical Specification:

A/Gb mode: mode of operation of the MS when connected to the Core Network via GERAN and the A and/or Gb interfaces. Throughout this specification the term GSM refers to GERAN A/Gb mode.

Iu mode: mode of operation of the MS when connected to the Core Network via GERAN or UTRAN and the Iu interface. Throughout this specification the term UMTS refers to UTRAN or GERAN Iu mode.

Iur interface: the logical interface between two UTRAN RNSs.

Iur-g interface: the logical interface between two BSSs or a BSC and an RNC and it is only considered in Iu mode.

Currently used codec: the codec used by the UE/MS before a handover or SRNS relocation.

Selected codec: the codec to be used by the UE/MS after the handover or SRNS relocation.

Available Codecs List: a list of codecs supported by the MS and by the core network, provided by MSC-A/3G_MSC-A to 3G_MSC-B during Inter-MSC handover/relocation. The Available Codecs List may contain separate list of codecs for UTRAN Iu mode and GERAN Iu mode. Within each list, the codecs are ordered in decreasing order of priority, the first entry in the list being the highest priority codec and the last entry the lowest priority codec.

Default speech codec: In UTRAN Iu mode the default speech codec is the UMTS AMR or UMTS AMR2 codec, dependent on the capabilities of the UE/MS. For a description of how the network determines the default UMTS speech codec, see [10], subclause 5.2.1.11. If necessary, 3G_MSC-B shall use the Radio Resource Information instead of the GSM Bearer Capability, since the GSM Bearer Capability is not available in MSC-B.

In GERAN Iu mode the default speech codec is the AMR FR codec.

UE Specific Behaviour Information - Iu (UESBI-Iu): information that is sent from the MSC to the ~~UT~~RAN and that can be used to derive specific information about the UE's capabilities.