

TSG-RAN Meeting #15
Jeju-do, Korea, 5 - 8 March 2002

RP-020064

Title: Agreed CRs (Release '99, Rel-4 category A and Rel-5 category A) to TS 25.305 (1)

Source: TSG-RAN WG2

Agenda item: 7.2.3

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio
R2-020405	agreed	25.305	079		R99	Correction to CELL ID positioning when UE is not reachable	F	3.7.0	3.8.0
R2-020405	agreed	25.305	080		Rel-4	Correction to CELL ID positioning when UE is not reachable	A	4.2.0	4.3.0
R2-020405	agreed	25.305	081		Rel-5	Correction to CELL ID positioning when UE is not reachable	A	5.3.0	5.4.0

CHANGE REQUEST

⌘ **25.305 CR 079** ⌘ ev - ⌘ Current version: **3.7.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction to CELL ID positioning when UE is not reachable.		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 18/02/02
Category:	⌘ F	Release:	⌘ R99
	<i>Use one of the following categories:</i> 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 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ Since at least R'97, it has been possible to build services based on the last known "GSM cell ID" of the mobile. Unfortunately, R'99 seems to have damaged this functionality.
	Isolated Impact: It should be recognised that, for R'99, this problem only relates to a subset of all operating scenarios. Namely the RNC only seems to need to be upgraded if:
	1) the operator is using a Gs interface between the MSC and SGSN to which the SRNC is connected, AND 2) the manufacturer/operator is using 'long lived' lu interface connections for mobiles that are in the URA-PCH state.
Summary of change:	⌘ Clarification for the provision of a last known cell ID for a UE.
Consequences if not approved:	⌘ Cell ID information will be out of line with earlier GSM release(s), will not work well.

Clauses affected:	⌘ 8.1.1	
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications ⌘ <input type="checkbox"/> O&M Specifications	⌘ 23.271, 25.413 25.305 v4.2.0, CR 080 25.305 v5.3.0, CR 081

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/3G_Specs/CRs.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. ☒

8.1.1 UE Cell ID is not known

For UE for which the cell ID is not known at the time the UE Positioning request is received at the SRNC, the UE may be paged to locate its current cell ID. If the UE is in an idle mode and there is a need for it to be paged, then the paging shall be initiated by the CN. If the UE is in URA_PCH state the paging may be initiated by the SRNC in UTRAN. For example, the UE can be forced to perform a transition to a Cell_FACH state to define the cell ID of its current cell.

If the UE is in an idle mode, or in a RRC connected state when there is a need to page for the UE to obtain the cell ID, the CN may initiate paging, authentication and ciphering, as specified in [13].

Alternatively, the cell ID may be determined as the one that was used during the last active connection to the UE. In the case the UE is not reachable, the last known position should include the age of location field. ~~This determination should be accompanied by the time of day of the last connection in the cell.~~

CHANGE REQUEST

⌘ **25.305 CR 081** ⌘ ev **-** ⌘ Current version: **5.3.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction to CELL ID positioning when UE is not reachable.		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 18/02/02
Category:	⌘ A	Release:	⌘ REL-5
	<i>Use one of the following categories:</i> 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 .		<i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

Reason for change:	⌘ Since at least R'97, it has been possible to build services based on the last known "GSM cell ID" of the mobile. Unfortunately, R'99 seems to have damaged this functionality.
Summary of change:	⌘ Clarification for the provision of a last known location for a UE.
Consequences if not approved:	⌘ Location information will be out of line with earlier GSM release(s), will not work well.

Clauses affected:	⌘ 8.1.1		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> Test specifications ⌘ <input type="checkbox"/> O&M Specifications	⌘	23.271, 25.413 25.305 v3.7.0, CR 079 25.305 v4.2.0, CR 080
Other comments:	⌘		

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- 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. ☹

8.1.1 UE Cell ID is not known

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If the UE is in an idle mode, or in a RRC connected state when there is a need to page for the UE to obtain the cell ID, the CN may initiate paging, authentication and ciphering, as specified in [13].

Alternatively, the cell ID may be determined as the one that was used during the last active connection to the UE. In the case the UE is not reachable, the last known position should include the age of location field. ~~This determination should be accompanied by the time of day of the last connection in the cell.~~

CHANGE REQUEST

⌘ **25.305 CR 080** ⌘ ev - ⌘ Current version: **4.2.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ME/UE Radio Access Network Core Network

Title:	⌘ Correction to CELL ID positioning when UE is not reachable.		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 18/02//02
Category:	⌘ A	Release:	⌘ REL-4
Use <u>one</u> 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 <u>one</u> 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)	

Reason for change:	⌘ Since at least R'97, it has been possible to build services based on the last known "GSM cell ID" of the mobile. Unfortunately, R'99 seems to have damaged this functionality. Isolated impact: In R'4 the GMLC can talk directly to the SGSN. For R'4, the RNC seems to need to be upgraded if: the manufacturer/operator is using 'long lived' lu interface connections for mobiles that are in the URA-PCH state AND (the operator is using a Gs interface between the MSC and SGSN to which the SRNC is connected, OR the operator has interface(s) to GMLC(s) from the SGSN.)
Summary of change:	⌘ Clarification for the provision of a last known location for a UE.
Consequences if not approved:	⌘ Location information will be out of line with earlier GSM release(s), will not work well.

Clauses affected:	⌘ 8.1.1
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Other specs	⌘	<input type="checkbox"/>	Other core specifications	⌘	23.271, 25.413 25.305 v3.7.0, CR 079 25.305 v5.3.0, CR 081
affected:		<input type="checkbox"/>	Test specifications		
		<input type="checkbox"/>	O&M Specifications		
Other comments:	⌘	<input type="text"/>			

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For UE for which the cell ID is not known at the time the UE Positioning request is received at the SRNC, the UE may be paged to locate its current cell ID. If the UE is in an idle mode and there is a need for it to be paged, then the paging shall be initiated by the CN. If the UE is in URA_PCH state the paging may be initiated by the SRNC in UTRAN. For example, the UE can be forced to perform a transition to a Cell_FACH state to define the cell ID of its current cell.

If the UE is in an idle mode, or in a RRC connected state when there is a need to page for the UE to obtain the cell ID, the CN may initiate paging, authentication and ciphering, as specified in [13]. Alternatively, the cell ID may be determined as the one that was used during the last active connection to the UE. In the case the UE is not reachable, the last known position should include the age of location field. ~~This determination should be accompanied by the time of day of the last connection in the cell.~~