

**TSG-RAN Meeting #22**  
**Maui, USA, 09-12 December 2003**

**RP-030613**

**Title:** CRs (R'99 and linked Rel-4/Rel-5) to TS 25.305.

**Source:** TSG-RAN WG2

**Agenda item:** 7.3.3

<b>Spec</b>	<b>CR</b>	<b>Rev</b>	<b>Phase</b>	<b>Subject</b>	<b>Cat</b>	<b>Version-Current</b>	<b>Version-New</b>	<b>Doc-2nd-Level</b>	<b>Workitem</b>
25.305	099	1	R99	Correction to Location Reporting procedure	F	3.10.0	3.11.0	R2-032678	TEI
25.305	100	1	Rel-4	Correction to Location Reporting procedure	F	4.6.0	4.7.0	R2-032679	TEI4
25.305	101	2	Rel-5	Correction to Location Reporting procedure	A	5.7.0	5.8.0	R2-032680	TEI4

## CHANGE REQUEST

# **25.305 CR 099** # rev **1** # Current version: **3.10.0** #

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

<b>Title:</b>	# Correction to Location Reporting procedure		
<b>Source:</b>	# RAN WG2		
<b>Work item code:</b>	# TEI	<b>Date:</b>	# Nov 2003
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# 1) It states in section 7.3.1 that in the case a UE position estimate does not meet the requested accuracy, the SRNC may instead return no position estimate to the CN. This is incorrect behaviour and leads to a misalignment with TS25.413.
<b>Summary of change:</b>	# Section 7.3.1 has been corrected so that in the case a less accurate position estimate is available, the SRNC shall always report this to the CN, and only in the case where no position estimate is available, will the SRNC report no position estimate.
	<b>Isolated Impact Analysis</b> This change has no impact on UTRANs that have implemented as to the interpretation of the stage 3 specification. This change only affects the UTRAN that has followed the Stage 2 description.
<b>Consequences if not approved:</b>	# If not approved, there could be wrong interpretations on the expected behaviour from the SRNC in the case of Location Reporting. This could lead to interoperability problems between CN and UTRAN.

<b>Clauses affected:</b>	# 7.3.1								
<b>Other specs affected:</b>	<table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">Y</td> <td style="border: 1px solid black; padding: 2px;">N</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N		X		X		X
Y	N								
	X								
	X								
	X								
<b>Other comments:</b>	# None								

### **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.

### 7.3.1 Procedures in the SRNC

When a positioning attempt fails due to failure of a position method itself (e.g. due to inaccurate or insufficient position measurements and related data) and the SRNC is unable to instigate another positioning attempt (e.g. due to a requirement on response time), the SRNC ~~may~~ shall return a Location response over the Iu interface containing a less accurate position estimate if available, even if this position estimate is not within the accuracy requested from the CN. If a less accurate estimate is not available, the SRNC shall instead return a Location response message containing no position estimate and indicating the cause of failure.

When a positioning attempt is interrupted by some other unrecoverable error event inside the SRNC, the SRNC shall immediately terminate the positioning attempt and return a Location Response message containing the reason for the positioning attempt cancellation. In that case, SRNC may also abort any dialogue previously opened with an LMU for the purpose of instigating position measurements for the UE being located.

## CHANGE REQUEST

# **25.305 CR 100** # rev **1** # Current version: **4.6.0** #

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

<b>Title:</b>	# Correction to Location Reporting procedure		
<b>Source:</b>	# RAN WG2		
<b>Work item code:</b>	# TEI4	<b>Date:</b>	# Nov 2003
<b>Category:</b>	# <b>F</b>	<b>Release:</b>	# Rel-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	# 1) It states in section 7.3.1 that in the case a UE position estimate does not meet the requested accuracy, the SRNC may either return a less accurate position estimate, or return no position estimate to the CN. This is incorrect behaviour and leads to a misalignment with TS25.413.
<b>Summary of change:</b>	# Section 7.3.1 has been corrected so that in the case a less accurate position estimate is available, the SRNC shall always report this to the CN, and only in the case where no position estimate is available, will the SRNC report no position estimate.
	<b>Isolated Impact Analysis</b> This change has no impact on UTRANs that have implemented as to the interpretation of the stage 3 specification. This change only affects the UTRAN that has followed the Stage 2 description.
<b>Consequences if not approved:</b>	# If not approved, there could be wrong interpretations on the expected behaviour from the SRNC in the case of Location Reporting. This could lead to interoperability problems between CN and UTRAN.

<b>Clauses affected:</b>	# 7.3.1								
<b>Other specs affected:</b>	#								
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Y	N								
#	X								
#	X								
#	X								
<b>Other comments:</b>	# None								

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~~NOTE:—Need to check that Iu has enough flexibility.~~

When a positioning attempt is interrupted by some other unrecoverable error event inside the SRNC, the SRNC shall immediately terminate the positioning attempt and return a Location Response message containing the reason for the positioning attempt cancellation. In that case, SRNC may also abort any dialogue previously opened with an LMU for the purpose of instigating position measurements for the UE being located.

## CHANGE REQUEST

# **25.305 CR 101** # rev **2** # Current version: **5.7.0** #

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<b>Source:</b>	# RAN WG2		
<b>Work item code:</b>	# TEI4	<b>Date:</b>	# Nov 2003
<b>Category:</b>	# <b>A</b>	<b>Release:</b>	# Rel-5
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
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	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
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			Rel-5 (Release 5)
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<b>Reason for change:</b>	# 1) It states in section 7.3.1 that in the case a UE position estimate does not meet the requested accuracy, the SRNC may either return a less accurate position estimate, or return no position estimate to the CN. This is incorrect behaviour and leads to a misalignment with TS25.413.
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In networks that include an SAS, the SRNC will receive a PCAP Position Calculation Response message on the Iupc interface and then return a Location response over the Iu interface containing the results that were provided over the Iupc interface (a less accurate position estimate, cause of failure indication, etc). This is described in Subclause 7.3.4.