TSG RAN Meeting #22
Maui, USA, 9 - 12 December 2003

RP-030671

Title	CRs (Rel-4 and Rel-5 Category A) to TS 25.413	
Source	TSG RAN WG3	
Agenda Item	7.4.4	

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-031477	25.413	4.10.0	4.11.0	REL-4	596	-	F	Backwards Compatibility for LCS- Limited Solution	TEI4
R3-031478	25.413	5.6.0	5.7.0	REL-5	597	-	A	Backwards Compatibility for LCS- Limited Solution	TEI4
R3-031784	25.413	4.10.0	4.11.0	REL-4	612	1	F	Add IE "Criticality Diagnostics" for LOCATION RELATED DATA FAILURE message	TEI4
R3-031785	25.413	5.6.0	5.7.0	REL-5	613	1	A	Add IE "Criticality Diagnostics" for LOCATION RELATED DATA FAILURE message	TEI4
R3-031796	25.413	4.10.0	4.11.0	REL-4	617	1	F	Correction of Reference section	TEI4
R3-031797	25.413	5.6.0	5.7.0	REL-5	618	1	A	Correction of Reference section	TEI4

3GPP TSG-RAN3 Meeting #39   *Tdoc* ⌘*R3-031477*
San Diego, USA, 17ᵗʰ-21th November 2003

	CR-Form-v7

CHANGE REQUEST

⌘	**25.413** CR	**596**	⌘ **rev**	**-**	⌘	Current version:	**4.10.0**	⌘

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 **X**   Core Network **X**

Title: ⌘	Backwards Compatibility for LCS	
Source: ⌘	RAN3	
Work item code: ⌘	TEI4	***Date:*** ⌘ 17/11/2003
Category: ⌘ **F**		***Release:*** ⌘ REL-4

Use one of the following categories:	*Use one of the following releases:*
F *(correction)*	2 *(GSM Phase 2)*
A *(corresponds to a correction in an earlier release)*	R96 *(Release 1996)*
B *(addition of feature),*	R97 *(Release 1997)*
C *(functional modification of feature)*	R98 *(Release 1998)*
D *(editorial modification)*	R99 *(Release 1999)*
Detailed explanations of the above categories can	Rel-4 *(Release 4)*
be found in 3GPP TR 21.900.	Rel-5 *(Release 5)*
	Rel-6 *(Release 6)*

Reason for change: ⌘	When an RNC release 4 reports with geographical area and doesn't know about the CN node release, it cannot know whether it can report using an ellipsoid point with uncertainty ellipse, ellipsoid point with altitude, ellipsoid point with altitude and uncertainty ellipsoid,or ellipsoid arc.
Summary of change: ⌘	The client type is used by an RNC R4 to determine whether it can report using ellipsoid point with uncertainty ellipse, ellipsoid point with altitude, ellipsoid point with altitude and uncertainty ellipsoid, or ellipsoid arc. Impact assessment towards the previous version of the specification (same release): This CR has isolated impact towards the previous version of the specification (same release). This CR has an impact under functional point of view. The impact can be considered isolated because it only affects the Location Report function.
Consequences if not approved: ⌘	RNC may report with a R4 geographical shape and the CN R99 will not be capable to understand the response.

Clauses affected:	⌘	8.20		

		Y	**N**			
Other specs affected:	⌘	X		Other core specifications	⌘	TS 25.413 CR597 REL-5
			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.

8.20 Location Report

8.20.1 General

The purpose of the Location Report procedure is to provide the UE's location information to the CN. The procedure uses connection oriented signalling.
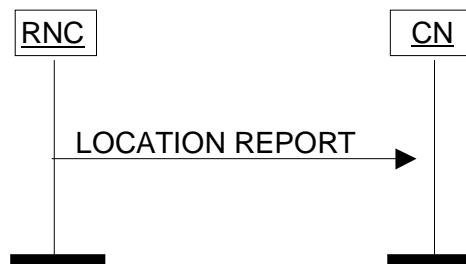
8.20.2 Successful Operation

Figure 22: Location Report procedure. Successful operation.

The serving RNC shall initiate the procedure by generating a LOCATION REPORT message. The LOCATION REPORT message may be used as a response for the LOCATION REPORTING CONTROL message. Also, when a user enters or leaves a classified zone set by O&M, e.g. zone where a disaster occurred, a LOCATION REPORT message shall be sent to the CN including the Service Area of the UE in the *Area Identity* IE. The *Cause* IE shall indicate the appropriate cause value to CN, e.g. "User Restriction Start Indication" and "User Restriction End Indication". The CN shall react to the LOCATION REPORT message with CN vendor specific actions.

For this procedure, only Service Areas that are defined for the PS and CS domains shall be considered.

In case reporting at change of Service Area is requested by the CN, then the RNC shall issue a LOCATION REPORT message.

- whenever the information given in the previous LOCATION REPORT message or INITIAL UE MESSAGE message is not anymore valid.

- upon receipt of the first LOCATION REPORTING CONTROL message following a Relocation Resource Allocation procedure, with the *Event* IE included in the *Request Type* IE set to "Change of Service Area", as soon as SAI becomes available in the new SRNC and the relocation procedure has been successfully completed.

In the case when Service Area is reported, the RNC shall include to the LOCATION REPORT message in the *Area Identity* IE the Service Area, which includes at least one of the cells from which the UE is consuming radio resources.

In the case when the LOCATION REPORT message is sent as an answer to a request for a direct report or at a change of Service Area, the *Request Type* IE from the LOCATION REPORTING CONTROL message shall be included.

If the LOCATION REPORT message is sent as an answer to a request for a direct report of Service Area and the current Service Area can not be determined by the RNC, then the *Area Identity* IE shall be omitted and a cause value shall be included to indicate that the request could not be fulfilled, e.g. "Requested Information Not Available" or "Location Reporting Congestion". The RNC may also include the *Last Known Service Area* IE.

If the RNC can not deliver the location information as requested by the CN, due to either the non-support of the requested event or the non-support of the requested report area or if RNC is currently not able to reach the UE, the RNC shall indicate the UE location to be "Undetermined" by omitting the *Area Identity* IE. A cause value shall instead be added to indicate the reason for the undetermined location, e.g. "Requested Request Type not supported" or "Location Reporting Congestion" or "No Resource Available".

If the Location Report procedure was triggered by a LOCATION REPORTING CONTROL message, which included a request to report a geographical area with a specific accuracy, the LOCATION REPORT message shall include the *Geographical Area* IE within the *Area Identity* IE containing either a point with indicated uncertainty or a polygon or

an other type, which fulfils the requested accuracy as accurately as possible. If, on the other hand, no specific accuracy level was requested in the LOCATION REPORTING CONTROL message, the LOCATION REPORT message shall include the *Geographical Area* IE within the *Area Identity* IE, the reported *Geographical Area* IE may include an accuracy.

If the Location Report procedure was triggered by a LOCATION REPORTING CONTROL message, which included a request to report with a geographical area and in which the *Client Type* IE was not included, the RNC shall answer with the *Point* IE, or the *Point With Uncertainty* IE or the *Polygon* IE within the *Geographical Area* IE of the LOCATION REPORT message.

8.20.3 Abnormal Conditions

Not applicable.

3GPP TSG-RAN3 Meeting #39   *Tdoc* ⌘*R3-031478*
San Diego, USA, 17ᵗʰ-21th November 2003

CR-Form-v7

CHANGE REQUEST

| ⌘ | **25.413** CR | **597** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.6.0** | ⌘ |

*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 **X**   Core Network **X**

Title:	⌘	Backwards Compatibility for LCS

Source:	⌘	RAN3

Work item code:⌘	TEI4		*Date:* ⌘	17/11/2003

Category:	⌘	**A**		*Release:* ⌘	REL-5

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)*
Rel-6 *(Release 6)*

Reason for change:	⌘	When an RNC release 4 reports with geographical area and doesn't know about the CN node release, it cannot know whether it can report using an ellipsoid point with uncertainty ellipse, ellipsoid point with altitude, ellipsoid point with altitude and uncertainty ellipsoid,or ellipsoid arc.

Summary of change:⌘	The client type is used by an RNC R4 to determine whether it can report using ellipsoid point with uncertainty ellipse, ellipsoid point with altitude, ellipsoid point with altitude and uncertainty ellipsoid, or ellipsoid arc.

<u>Impact assessment towards the previous version of the specification (same release):</u>

This CR has isolated impact towards the previous version of the specification (same release).

This CR has an impact under functional point of view.

The impact can be considered isolated because it only affects the Location Report function.

Consequences if not approved:	⌘	RNC may report with a R4 geographical shape and the CN R99 will not be capable to understand the response.

Clauses affected:	⌘	8.20		

		Y	N			
Other specs affected:	⌘	X		Other core specifications	⌘	TS 25.413 CR596 REL-4
			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.

8.20 Location Report

8.20.1 General

The purpose of the Location Report procedure is to provide the UE's location information to the CN. The procedure uses connection oriented signalling.

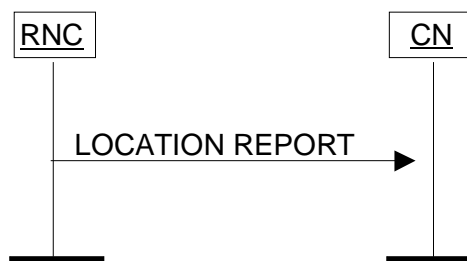## 8.20.2 Successful Operation

Figure 22: Location Report procedure. Successful operation.

The serving RNC shall initiate the procedure by generating a LOCATION REPORT message. The LOCATION REPORT message may be used as a response for the LOCATION REPORTING CONTROL message. Also, when a user enters or leaves a classified zone set by O&M, e.g. zone where a disaster occurred, a LOCATION REPORT message shall be sent to the CN including the Service Area of the UE in the *Area Identity* IE. The *Cause* IE shall indicate the appropriate cause value to CN, e.g. "User Restriction Start Indication" and "User Restriction End Indication". The CN shall react to the LOCATION REPORT message with CN vendor specific actions.

For this procedure, only Service Areas that are defined for the PS and CS domains shall be considered.

In case reporting at change of Service Area is requested by the CN, then the RNC shall issue a LOCATION REPORT message.

- whenever the information given in the previous LOCATION REPORT message or INITIAL UE MESSAGE message is not anymore valid.

- upon receipt of the first LOCATION REPORTING CONTROL message following a Relocation Resource Allocation procedure, with the *Event* IE included in the *Request Type* IE set to "Change of Service Area", as soon as SAI becomes available in the new SRNC and the relocation procedure has been successfully completed.

In the case when Service Area is reported, the RNC shall include to the LOCATION REPORT message in the *Area Identity* IE the Service Area, which includes at least one of the cells from which the UE is consuming radio resources.

In the case when the LOCATION REPORT message is sent as an answer to a request for a direct report or at a change of Service Area, the *Request Type* IE from the LOCATION REPORTING CONTROL message shall be included.

If the LOCATION REPORT message is sent as an answer to a request for a direct report of Service Area and the current Service Area can not be determined by the RNC, then the *Area Identity* IE shall be omitted and a cause value shall be included to indicate that the request could not be fulfilled, e.g. "Requested Information Not Available" or "Location Reporting Congestion". The RNC may also include the *Last Known Service Area* IE.

If the RNC can not deliver the location information as requested by the CN, due to either the non-support of the requested event or the non-support of the requested report area or if RNC is currently not able to reach the UE, the RNC shall indicate the UE location to be "Undetermined" by omitting the *Area Identity* IE. A cause value shall instead be added to indicate the reason for the undetermined location, e.g. "Requested Request Type not supported" or "Location Reporting Congestion" or "No Resource Available".

If the Location Report procedure was triggered by a LOCATION REPORTING CONTROL message, which included a request to report a geographical area with a specific accuracy, the LOCATION REPORT message shall include the *Geographical Area* IE within the *Area Identity* IE containing either a point with indicated uncertainty or a polygon or

an other type, which fulfils the requested accuracy as accurately as possible. If, on the other hand, no specific accuracy level was requested in the LOCATION REPORTING CONTROL message, the LOCATION REPORT message shall include the *Geographical Area* IE within the *Area Identity* IE, the reported *Geographical Area* IE may include an accuracy.

The LOCATION REPORT message shall also include, if available, the *Position Data* IE containing the positioning method (or list of positioning methods) used successfully to obtain the location estimate, together with the usage information.

If the Location Report procedure was triggered by a LOCATION REPORTING CONTROL message, which included a request to report with a geographical area and in which the *Client Type* IE was not included, the RNC shall answer with the *Point* IE, or the *Point With Uncertainty* IE or the *Polygon* IE within the *Geographical Area* IE of the LOCATION REPORT message.

8.20.3   Abnormal Conditions

Not applicable.

CR-Form-v7

CHANGE REQUEST

⌘	**25.413** CR **612**	⌘**rev** **1** ⌘	Current version: **4.10.0** ⌘

*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 **X** Core Network **X**

Title: ⌘	Add IE "Criticality Diagnostics" for LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE messages	

Source: ⌘	RAN3	

Work item code: ⌘	TEI4	***Date:*** ⌘	20/10/2003

Category: ⌘	**F**	***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 <u>TR 21.900</u>.		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) Rel-6 (Release 6)

Reason for change: ⌘	As outcome response messages of Location Related Data procedure – LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE message miss IE "Criticality Diagnostics" to report information about which IEs that are not comprehended or missing when parts of LOCATION RELATED DATA REQUEST message have not been comprehended or missing, or if the message contained logical errors.

Summary of change: ⌘	Add IE "Criticality Diagnostics" for LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE messages. Impact assessment towards the previous version of the specification (same release): This CR has isolated impact towards the previous version of the specification (same release). This CR has an impact under functional and protocol point of view. The impact can be considered isolated because it only add an optional IE to give useful info in the message.

Consequences if not approved: ⌘	Without IE "Criticality Diagnostics", LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE message cannot report information about which IEs that are not comprehended or missing when parts of LOCATION RELATED DATA REQUEST message have not been comprehended or missing, or if the message contained logical errors.

Clauses affected:	⌘	9.1.49, 9.3.3	

		Y	**N**			
Other specs affected:	⌘	**X**		Other core specifications	⌘	25.413 REL-5 CR613r1
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

How to create CRs using this form:

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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.

9.1.48   LOCATION RELATED DATA RESPONSE

This message is sent by the RNC to report the successful response of the LOCATION RELATED DATA REQUEST message.

Direction: RNC → CN.

Signalling bearer mode: Connection oriented.

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Type	M		9.2.1.1		YES	reject
Broadcast Assistance Data Deciphering Keys	O		9.2.3.20		YES	ignore
Criticality Diagnostics	O		9.2.1.35		YES	ignore

9.1.49   LOCATION RELATED DATA FAILURE

This message is sent by the RNC to report the unsuccessful response of the LOCATION RELATED DATA REQUEST message.

Direction: RNC → CN.

Signalling bearer mode: Connection oriented.

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Type	M		9.2.1.1		YES	reject
Cause	M		9.2.1.4		YES	ignore
Criticality Diagnostics	O		9.2.1.35		YES	ignore

9.3.3   PDU Definitions

<mark>Unchanged text is removed</mark>

```
-- ************************************************************
--
-- Location Related Data Response
--
-- ************************************************************

LocationRelatedDataResponse ::= SEQUENCE {
    protocolIEs         ProtocolIE-Container         { { LocationRelatedDataResponseIEs} },
    protocolExtensions      ProtocolExtensionContainer { { LocationRelatedDataResponseExtensions} }
            OPTIONAL,
    ...
}

LocationRelatedDataResponseIEs RANAP-PROTOCOL-IES ::= {
    { ID id-BroadcastAssistanceDataDecipheringKeys      CRITICALITY ignore  TYPE
BroadcastAssistanceDataDecipheringKeys      PRESENCE optional   },

    ...
}

LocationRelatedDataResponseExtensions RANAP-PROTOCOL-EXTENSION ::= {
-- Extension for error handling
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  EXTENSION CriticalityDiagnostics
        PRESENCE optional    },

    ...
}


-- ************************************************************
--
```

```
-- Location Related Data Failure
--
-- ************************************************************

LocationRelatedDataFailure ::= SEQUENCE {
    protocolIEs         ProtocolIE-Container        { { LocationRelatedDataFailureIEs} },
    protocolExtensions      ProtocolExtensionContainer { { LocationRelatedDataFailureExtensions} }
                OPTIONAL,
    ...
}

LocationRelatedDataFailureIEs RANAP-PROTOCOL-IES ::= {
    { ID id-Cause              CRITICALITY ignore  TYPE Cause              PRESENCE mandatory
    },
    ...
}

LocationRelatedDataFailureExtensions RANAP-PROTOCOL-EXTENSION ::= {
-- Extension for error handling
    { ID id-CriticalityDiagnostics        CRITICALITY ignore  TYPEEXTENSION CriticalityDiagnostics
            PRESENCE optional   },
    ...
}

END
```

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CR-Form-v7

CHANGE REQUEST

| ⌘ | **25.413** CR **613** | ⌘**rev** | **1** | ⌘ | Current version: | **5.6.0** | ⌘ |

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

</div>

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

Title: ⌘	Add IE "Criticality Diagnostics" for LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE messages
Source: ⌘	RAN3

| ***Work item code:*** ⌘ | TEI4 | | ***Date:*** ⌘ | 20/10/2003 |

Category: ⌘	**A**	***Release:*** ⌘	Rel-5

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)*
   Rel-6 *(Release 6)*

Reason for change: ⌘	As outcome response messages of Location Related Data procedure – LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE message miss IE "Criticality Diagnostics" to report information about which IEs that are not comprehended or missing when parts of LOCATION RELATED DATA REQUEST message have not been comprehended or missing, or if the message contained logical errors.

Summary of change: ⌘	Add IE "Criticality Diagnostics" for LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE messages. <u>Impact assessment towards the previous version of the specification (same release):</u> This CR has isolated impact towards the previous version of the specification (same release). This CR has an impact under functional and protocol point of view. The impact can be considered isolated because it only add an optional IE to give useful info in the message.

Consequences if not approved: ⌘	Without IE "Criticality Diagnostics", LOCATION RELATED DATA RESPONSE and LOCATION RELATED DATA FAILURE message cannot report information about which IEs that are not comprehended or missing when parts of LOCATION RELATED DATA REQUEST message have not been comprehended or missing, or if the message contained logical errors.

Clauses affected:	⌘	9.1.49, 9.3.3		

		Y	**N**			
Other specs affected:	⌘	**X**		Other core specifications	⌘	25.413 REL-4 CR612r1
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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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.

9.1.48 LOCATION RELATED DATA RESPONSE

This message is sent by the RNC to report the successful response of the LOCATION RELATED DATA REQUEST message.

Direction: RNC → CN.

Signalling bearer mode: Connection oriented.

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Type	M		9.2.1.1		YES	reject
Broadcast Assistance Data Deciphering Keys	O		9.2.3.20		YES	Ignore
Criticality Diagnostics	O		9.2.1.35		YES	ignore

9.1.49 LOCATION RELATED DATA FAILURE

This message is sent by the RNC to report the unsuccessful response of the LOCATION RELATED DATA REQUEST message.

Direction: RNC → CN.

Signalling bearer mode: Connection oriented.

IE/Group Name	Presence	Range	IE type and reference	Semantics description	Criticality	Assigned Criticality
Message Type	M		9.2.1.1		YES	reject
Cause	M		9.2.1.4		YES	ignore
Criticality Diagnostics	O		9.2.1.35		YES	ignore

9.3.3 PDU Definitions

Unchanged text is removed

```
-- **************************************************************
--
-- Location Related Data Response
--
-- **************************************************************

LocationRelatedDataResponse ::= SEQUENCE {
    protocolIEs         ProtocolIE-Container        { { LocationRelatedDataResponseIEs} },
    protocolExtensions       ProtocolExtensionContainer { { LocationRelatedDataResponseExtensions} }
                OPTIONAL,
    ...
}

LocationRelatedDataResponseIEs RANAP-PROTOCOL-IES ::= {
    { ID id-BroadcastAssistanceDataDecipheringKeys      CRITICALITY ignore  TYPE
BroadcastAssistanceDataDecipheringKeys      PRESENCE optional   },
    ...
}

LocationRelatedDataResponseExtensions RANAP-PROTOCOL-EXTENSION ::= {
-- Extension for error handling
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  EXTENSION CriticalityDiagnostics
        PRESENCE optional   },
    ...
}

-- **************************************************************
--
-- Location Related Data Failure
--
-- **************************************************************
```

```
LocationRelatedDataFailure ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container        { { LocationRelatedDataFailureIEs} },
    protocolExtensions       ProtocolExtensionContainer { { LocationRelatedDataFailureExtensions} }
                 OPTIONAL,
    ...
}

LocationRelatedDataFailureIEs RANAP-PROTOCOL-IES ::= {
    { ID id-Cause                CRITICALITY ignore  TYPE Cause                    PRESENCE mandatory
    },
    ...
}

LocationRelatedDataFailureExtensions RANAP-PROTOCOL-EXTENSION ::= {
-- Extension for error handling
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  TYPEEXTENSION CriticalityDiagnostics
            PRESENCE optional   },
    ...
}
```

Unchanged text is removed

CR-Form-v7

CHANGE REQUEST

⌘	**25.413 CR 617**	⌘rev **1** ⌘	Current version: **4.10.0** ⌘

*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 **X**　Core Network **X**

Title: ⌘	Correction of Reference section	
Source: ⌘	RAN3	
Work item code: ⌘	TEI4	**Date:** ⌘ 05/11/2003
Category: ⌘	**F**	**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)
Rel-6 (Release 6)

Reason for change: ⌘	The Reference section is not clear regarding which version of a 3GPP (or GSM) specification that is referred to. A clarifying sentence however exist in the RANAP R99 specification, and in all other protocols handled by RAN3 for all releases. This clarification has however not made it to RANAP releases after R99. TS 12.08 and TS 12.20 are not 3GPP specifications. The 3GPP version of TS 08.08 exist as TS 48.008 for this version of the specification.
Summary of change: ⌘	Add the missing clarification sentence that already exist in R99 and in all other RAN3 protocol specifications. The TS 12.08 and TS 12.20 are referenced as GSM specifications. The reference to TS 08.08 is replaced by TS 48.008. <u>Impact assessment towards the previous version of the specification (same release):</u> This CR has no impact towards the previous version of the specification (same release).
Consequences if not approved: ⌘	The unclearity and misalignment with the R99 RANAP specification and all other RAN3 protocol specifications will remain.

Clauses affected: ⌘	2

		Y	N		
Other specs	⌘	**X**	☐	Other core specifications	⌘ 25.413 CR618 Rel-5

affected:	X	Test specifications	
	X	O&M Specifications	

Other comments:	⌘	

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.

- For a specific reference, subsequent revisions do not apply".

- For a non-specific reference, the latest version applies". In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document.*

[1]   3GPP TR 23.930: "Iu Principles".

[2]   3GPP TS 25.410: "UTRAN Iu Interface: General Aspects and Principles".

[3]   3GPP TS 25.401: "UTRAN Overall Description".

[4]   3GPP TR 25.931: "UTRAN Functions, Examples on Signalling Procedures".

[5]   3GPP TS 25.412: "UTRAN Iu interface signalling transport".

[6]   3GPP TS 25.415: "UTRAN Iu interface user plane protocols".

[7]   3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".

[8]   3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core network protocols; Stage 3".

[9]   3GPP TS 25.414: "UTRAN Iu interface data transport and transport signalling".

[10]   3GPP TS 25.331: Radio Ressource Control (RRC) protocol specification".

[11]   3GPP TS 048.008: "3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Mobile -services Switching Centre - Base Station System (MSC-BSS) interface; Layer 3 specification".

[12]   3GPP GSM TS 12.08: "Subscriber and equipment trace".

[13]   ITU-T Recommendation X.691 (1997): "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".

[14]   ITU-T Recommendation X.680 (1997): "Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".

[15]   ITU-T Recommendation X.681 (1997): "Information technology - Abstract Syntax Notation One (ASN.1): Information object specification".

[16]   3GPP TS 23.110: "UMTS Access Stratum, Services and Functions".

[17]   3GPP TS 25.323: "Packet Data Convergence Protocol (PDCP) specification".

[18]   3GPP TR 25.921: "Guidelines and principles for protocol description and error handling".

[19]   3GPP TS 23.003: "Numbering, addressing and identification".

[20]   3GPP TS 23.032: "Universal Geographical Area Description (GAD)".

[21]   3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".

[22]   3GPP TS 24.080: "Mobile radio Layer 3 supplementary services specification; Formats and coding".

[23] 3GPP TS 29.108: "Application of the Radio Access Network Application Part (RANAP) on the E-interface".

[24] 3GPP TS 29.002: "Mobile Application Part (MAP) specification".

[25] 3GPP GSM TS 12.20: "Base Station System (BSS) management information".

[26] 3GPP TS 22.071: "Location Services (LCS); Service description - Stage 1".

CR-Form-v7

CHANGE REQUEST

| ⌘ | **25.413** CR **618** | ⌘**rev** | **1** | ⌘ | Current version: | **5.6.0** | ⌘ |

*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 **X**   Core Network **X**

Title: ⌘	Correction of Reference section	
Source: ⌘	RAN3	
Work item code: ⌘	TEI4	**Date:** ⌘ 05/11/2003
Category: ⌘ **A**		**Release:** ⌘ Rel-5

Use <u>one</u> of the following categories:
   F *(correction)*
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Clauses affected: ⌘	2

		Y	N		
Other specs affected: ⌘		X		Other core specifications ⌘	25.413 CR617 Rel-4
			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.

2   References

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[10]   3GPP TS 25.331: Radio Ressource Control (RRC) protocol specification".

[11]   3GPP TS 48.008: "3rd Generation Partnership Project (3GPP) Technical Specification Group GSM EDGE Radio Access Network; Mobile-services Switching Centre – Base Station System (MSC - BSS) interface; Layer 3 specification".

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[24]   3GPP TS 29.002: "Mobile Application Part (MAP) specification".

[25]   ~~3GPP~~ GSM TS 12.20: "Base Station System (BSS) management information".

[26]   3GPP TS 23.236: "Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes".

[27]   3GPP TS 43.051: "3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Overall description - Stage 2".

[28]   3GPP TS 25.305: "Stage 2 Functional Specification of Location Services (LCS) in UTRAN".

[29]   3GPP TS 43.059: "Functional stage 2 description of Location Services (LCS) in GERAN".

[30]   3GPP TS 22.071: "Location Services (LCS); Service description - Stage 1".

[31]   3GPP TR 25.994: "Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults".

[32]   3GPP TR 25.995: "Measures employed by the UMTS Radio Access Network (UTRAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification".

[33]   3GPP TS 23.195: "Provision of UE Specific Behaviour Information to Network Entities".

[34]   3GPP TS 49.031: "3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network; Location Services (LCS) – Base Station System Application Part LCS Extension – (BSSAP-LE)".