

Source: TSG-RAN WG2.

Title: CR to 25.331 R'99 (and associated Rel-4/Rel-5/Rel-6) on reference to ITU-T Recommendations on ASN.1

The following CRs are in RP-040474:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
25.331	2445	-	R99	References to ITU-T Recommendations on ASN.1	F	3.20.0	3.21.0	R2-042587	TEI
25.331	2446	-	Rel-4	References to ITU-T Recommendations on ASN.1	A	4.15.0	4.16.0	R2-042588	TEI
25.331	2447	-	Rel-5	References to ITU-T Recommendations on ASN.1	A	5.10.0	5.11.0	R2-042589	TEI
25.331	2448	-	Rel-6	References to ITU-T Recommendations on ASN.1	A	6.3.0	6.4.0	R2-042590	TEI

CHANGE REQUEST

25.331 CR 2445 # rev - # Current version: 3.20.0

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:	# References to ITU-T Recommendations on ASN.1		
Source:	# RAN WG2		
Work item code:	# TEI	Date:	# 22/10/2004
Category:	# F	Release:	# R99
	<p>Use <u>one</u> of the following categories:</p> <p>F (correction)</p> <p>A (corresponds to a correction in an earlier release)</p> <p>B (addition of feature),</p> <p>C (functional modification of feature)</p> <p>D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p>		<p>Use <u>one</u> of the following releases:</p> <p>Ph2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>Rel-4 (Release 4)</p> <p>Rel-5 (Release 5)</p> <p>Rel-6 (Release 6)</p> <p>Rel-7 (Release 7)</p>

Reason for change:	# The TS 25.331 specifically refers to the ITU-T Recommendations version 12/97. That version is however superseded by the ITU-T version 07/2002, which is the ITU-T version currently in force. The IE "sRNC-RelocationInfo-r3-add-ext" in the SRNC RELOCATION INFO message makes use of an ASN.1 element, which is defined in the 07/2002 version, but which is not supported in the currently referenced version 12/97.
Summary of change:	# The references in clause 2 are updated. The superseded version 12/97 of the ITU-T Recommendations is replaced by the currently in force version 07/2002.
Consequences if not approved:	# The 3GPP specifications continue to refer to a superseded version of the ITU-T Recommendations. Certain elements in the currently used ASN.1 are not supported in the referenced version of the ITU-T Recommendations. Isolated impact analysis This CR does not change the requirements. However, the SRNC RELOCATION INFO message needs to be properly defined, which requires that the ASN.1 is supported by the referenced ITU-T Recommendations. No interoperability issues are foreseen. The current RRC messages to be exchanged with the UE do not use ASN.1 elements, which were not supported already by the ITU-T Recommendations version 12/97. Hence, the CR has no immediate impact on the UE .

Clauses affected:	# 2
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Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N		X		X		X	Other core specifications	⌘	
	Y	N											
		X											
	X												
	X												
		Test specifications											
		O&M Specifications											
Other comments:	⌘	A similar problem exists in certain TSs under the RAN3 responsibility. However, those TSs do not seem to make use of ASN.1 elements that were not defined in the currently referenced (although superseded) version 12/97. The references to the ITU-T recommendations in the TR 25.921 are non-specific.											

2 References

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- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
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- [3] 3GPP TS 25.303: "Interlayer Procedures in Connected Mode".
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- [21] 3GPP TS 25.101: "UE Radio Transmission and Reception (FDD)".
- [22] 3GPP TS 25.102: "UE Radio Transmission and Reception (TDD)".
- [23] 3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".
- [24] 3GPP TS 23.032: "Universal Geographical Area Description (GAD)".
- [25] 3GPP TS 23.122: "Non-Access-Stratum functions related to Mobile Station (MS) in idle mode".

- [26] 3GPP TS 25.211: "Physical channels and mapping of transport channels onto physical channels (FDD)".
- [27] 3GPP TS 25.212: "Multiplexing and channel coding (FDD)".
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- [42] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
- [43] 3GPP TS 04.18: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".
- [44] 3GPP TS 04.60: "General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/Medium Access Control (RLC/MAC) protocol".
- [45] 3GPP TS 05.05: "Radio transmission and reception".
- [46] 3GPP TS 05.08: "Radio subsystem link control".
- [47] ITU-T Recommendation X.680 (~~12/97~~[07/2002](#)) "Information Technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [48] ITU-T Recommendation X.681 (~~12/97~~[07/2002](#)) "Information Technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [49] ITU-T Recommendation X.691 (~~12/97~~[07/2002](#)) "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".
- [50] 3GPP TS 31.102: "Characteristics of the USIM Application".

CHANGE REQUEST

25.331 CR 2446 # rev - # Current version: 4.15.0

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:	# References to ITU-T Recommendations on ASN.1		
Source:	# RAN WG2		
Work item code:	# TEI	Date:	# 22/10/2004
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: Ph2 (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) Rel-7 (Release 7)

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Clauses affected:	# 2
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Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N		X		X		X	Other core specifications	⌘	
	Y	N											
		X											
	X												
	X												
		Test specifications											
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Other comments:	⌘	A similar problem exists in certain TSs under the RAN3 responsibility. However, those TSs do not seem to make use of ASN.1 elements that were not defined in the currently referenced (although superseded) version 12/97. The references to the ITU-T recommendations in the TR 25.921 are non-specific.											

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- [43] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".
- [44] 3GPP TS 44.060: "General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/Medium Access Control (RLC/MAC) protocol".
- [45] 3GPP TS 45.005: "Radio transmission and reception".
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- [49] ITU-T Recommendation X.691 (~~12/9707/2002~~) "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".
- [50] 3GPP TS 31.102: "Characteristics of the USIM Application".
- [51] Void.
- [52] IANA ROHC profile identifier definition (<http://www.iana.org/assignments/rohc-pro-ids>).

CHANGE REQUEST

25.331 CR 2447 # rev - # Current version: 5.10.0

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

Title:	#	References to ITU-T Recommendations on ASN.1
Source:	#	RAN WG2
Work item code:	#	TEI
		Date: # 22/10/2004
Category:	#	A
		<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Use <u>one</u> of the following categories:</p> <p>F (correction)</p> <p>A (corresponds to a correction in an earlier release)</p> <p>B (addition of feature),</p> <p>C (functional modification of feature)</p> <p>D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p> </div> <div style="width: 35%;"> <p>Use <u>one</u> of the following releases:</p> <p>Ph2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>Rel-4 (Release 4)</p> <p>Rel-5 (Release 5)</p> <p>Rel-6 (Release 6)</p> <p>Rel-7 (Release 7)</p> </div> </div>

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Clauses affected: # 2

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- [50] 3GPP TS 31.102: "Characteristics of the USIM Application".
- [51] 3GPP TS 25.308: "High Speed Downlink Packet Access (HSDPA): Overall Description; Stage 2".
- [52] IANA ROHC profile identifier definition (<http://www.iana.org/assignments/rohc-pro-ids>).
- [53] 3GPP TS 44.118: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol, Iu Mode".

CHANGE REQUEST

25.331 CR 2448 # rev - # Current version: 6.3.0

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

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	# References to ITU-T Recommendations on ASN.1		
Source:	# RAN WG2		
Work item code:	# TEI	Date:	# 22/10/2004
Category:	# A	Release:	# Rel-6
	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: Ph2 (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) Rel-7 (Release 7)

Reason for change:	# The TS 25.331 specifically refers to the ITU-T Recommendations version 12/97. That version is however superseded by the ITU-T version 07/2002, which is the ITU-T version currently in force. The IE "sRNC-RelocationInfo-r3-add-ext" in the SRNC RELOCATION INFO message makes use of an ASN.1 element, which is defined in the 07/2002 version, but which is not supported in the currently referenced version 12/97.
Summary of change:	# The references in clause 2 are updated. The superseded version 12/97 of the ITU-T Recommendations is replaced by the currently in force version 07/2002.
Consequences if not approved:	# The 3GPP specifications continue to refer to a superseded version of the ITU-T Recommendations. Certain elements in the currently used ASN.1 are not supported in the referenced version of the ITU-T Recommendations. Isolated impact analysis This CR does not change the requirements. However, the SRNC RELOCATION INFO message needs to be properly defined, which requires that the ASN.1 is supported by the referenced ITU-T Recommendations. No interoperability issues are foreseen. The current RRC messages to be exchanged with the UE do not use ASN.1 elements, which were not supported already by the ITU-T Recommendations version 12/97. Hence, the CR has no immediate impact on the UE .

Clauses affected: # 2

Other specs affected:	⌘	<table border="1"><tr><td>Y</td><td>N</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr></table>	Y	N		X		X		X	Other core specifications	⌘	
	Y	N											
		X											
	X												
	X												
		Test specifications											
		O&M Specifications											
Other comments:	⌘	A similar problem exists in certain TSs under the RAN3 responsibility. However, those TSs do not seem to make use of ASN.1 elements that were not defined in the currently referenced (although superseded) version 12/97. The references to the ITU-T recommendations in the TR 25.921 are non-specific.											

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 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 25.301: "Radio Interface Protocol Architecture".
- [3] 3GPP TS 25.303: "Interlayer Procedures in Connected Mode".
- [4] 3GPP TS 25.304: "UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode".
- [5] 3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core Network Protocols; Stage 3".
- [6] 3GPP TS 25.103: "RF parameters in support of RRM".
- [7] 3GPP TS 25.215: "Physical layer – Measurements (FDD)".
- [8] 3GPP TS 25.225: "Physical layer – Measurements (TDD)".
- [9] 3GPP TS 25.401: "UTRAN overall description".
- [10] 3GPP TS 25.402: "Synchronization in UTRAN; Stage 2".
- [11] 3GPP TS 23.003: "Numbering, addressing and identification".
- [12] ICD-GPS-200: "Navstar GPS Space Segment/Navigation User Interface".
- [13] RTCM-SC104: "RTCM Recommended Standards for Differential GNSS Service (v.2.2)".
- [14] 3GPP TR 25.921: "Guidelines and principles for protocol description and error handling".
- [15] 3GPP TS 25.321: "Medium Access Control (MAC) protocol specification".
- [16] 3GPP TS 25.322: "Radio Link Control (RLC) protocol specification".
- [17] 3GPP TS 24.007: "Mobile radio interface signalling layer 3; General aspects".
- [18] 3GPP TS 25.305: "Stage 2 Functional Specification of UE Positioning in UTRAN".
- [19] 3GPP TS 25.133: "Requirements for Support of Radio Resource Management (FDD)".
- [20] 3GPP TS 25.123: "Requirements for Support of Radio Resource Management (TDD)".
- [21] 3GPP TS 25.101: "UE Radio Transmission and Reception (FDD)".
- [22] 3GPP TS 25.102: "UE Radio Transmission and Reception (TDD)".
- [23] 3GPP TS 23.060: "General Packet Radio Service (GPRS); Service description; Stage 2".
- [24] 3GPP TS 23.032: "Universal Geographical Area Description (GAD)".
- [25] 3GPP TS 23.122: "Non-Access-Stratum functions related to Mobile Station (MS) in idle mode".

- [26] 3GPP TS 25.211: "Physical channels and mapping of transport channels onto physical channels (FDD)".
- [27] 3GPP TS 25.212: "Multiplexing and channel coding (FDD)".
- [28] 3GPP TS 25.213: "Spreading and modulation (FDD)".
- [29] 3GPP TS 25.214: "Physical layer procedures (FDD)".
- [30] 3GPP TS 25.221: "Physical channels and mapping of transport channels onto physical channels (TDD)".
- [31] 3GPP TS 25.222: "Multiplexing and channel coding (TDD)".
- [32] 3GPP TS 25.223: "Spreading and modulation (TDD)".
- [33] 3GPP TS 25.224: "Physical Layer Procedures (TDD)".
- [34] 3GPP TS 25.302: "Services provided by the physical layer".
- [35] 3GPP TS 25.306 "UE Radio Access Capabilities".
- [36] 3GPP TS 25.323: "Packet Data Convergence Protocol (PDCP) Specification".
- [37] 3GPP TS 25.324: "Broadcast/Multicast Control BMC".
- [38] 3GPP TR 25.922: "Radio resource management strategies".
- [39] 3GPP TR 25.925: "Radio interface for broadcast/multicast services".
- [40] 3GPP TS 33.102: "3G Security; Security Architecture".
- [41] 3GPP TS 34.108: "Common Test Environments for User Equipment (UE) Conformance Testing".
- [42] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
- [43] 3GPP TS 44.018: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol".
- [44] 3GPP TS 44.060: "General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/Medium Access Control (RLC/MAC) protocol".
- [45] 3GPP TS 45.005: "Radio transmission and reception".
- [46] 3GPP TS 45.008: "Radio subsystem link control".
- [47] ITU-T Recommendation X.680 (~~12/9707/2002~~) "Information Technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [48] ITU-T Recommendation X.681 (~~12/9707/2002~~) "Information Technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [49] ITU-T Recommendation X.691 (~~12/9707/2002~~) "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".
- [50] 3GPP TS 31.102: "Characteristics of the USIM Application".
- [51] 3GPP TS 25.308: "High Speed Downlink Packet Access (HSDPA): Overall Description; Stage 2".
- [52] IANA ROHC profile identifier definition (<http://www.iana.org/assignments/rohc-pro-ids>).
- [53] 3GPP TS 44.118: "Mobile radio interface layer 3 specification; Radio Resource Control Protocol, Iu Mode".