

CHANGE REQUEST

25.413 CR 719 # 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Title:	# Correction of reference to outdated ITU-T recommendations		
Source:	# RAN3		
Work item code:	# TEI6	Date:	# 15/11/2004
Category:	# F	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 RAN3 TSs 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 That version is however superseded by the ITU-T version 07/2002, which is the ITU-T version currently in force.
Summary of change:	# The date for the reference to X.680, X.681 and X.691 are changed from 12/97 to 07/2002. The version 12/97 clarifications in section 9.4 are also removed since the clarifications now are included in the 07/2002 versions. <u>Impact assessment towards the previous version of the specification (same release):</u> This CR has no impact with the previous version of the specification (same release) because the proposed changes do not introduce any functional changes.
Consequences if not approved:	# The RAN3 TS will continue to refer to the superseded versions of the ITU-T Recommendations.

Clauses affected:	# 2, 9.4						
Other specs	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"></td> </tr> </table> Other core specifications	Y	N	X		#	25.419 CR133 Rel-6 25.423 CR1010 Rel-6 25.433 CR1056 Rel6 25.453 CR076 Rel-6
Y	N						
X							

affected:

<input checked="" type="checkbox"/>	Test specifications
<input checked="" type="checkbox"/>	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

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.
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- 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 (version.4.0.0, 2001-04): "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 Resource Control (RRC) protocol specification".
- [11] 3GPP TS 48.008: "Mobile Switching Centre – Base Station System (MSC - BSS) interface; Layer 3 specification".
- [12] GSM TS 12.08: "Subscriber and equipment trace".
- [13] ITU-T Recommendation X.691 ([199707/2002](#)): "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".
- [14] ITU-T Recommendation X.680 ([199707/2002](#)): "Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [15] ITU-T Recommendation X.681 ([199707/2002](#)): "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] 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: "Location Services (LCS) – Base Station System Application Part LCS Extension – (BSSAP-LE)".
- [35] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [36] 3GPP TS 48.018: "General Packet Radio Service (GPRS); BSS GPRS Protocol (BSSGP)".
- [37] 3GPP TS 32.421: "Subscriber and equipment trace: Trace concepts and requirements".
- [38] 3GPP TS 32.422: "Subscriber and equipment trace: Trace control and Configuration Management"

9.4 Message Transfer Syntax

RANAP shall use the ASN.1 Basic Packed Encoding Rules (BASIC-PER) Aligned Variant as transfer syntax as specified in ref. [13].

~~The following encoding rules apply in addition to what has been specified in X.691 [13]:~~

~~When a bitstring value is placed in a bit field as specified in 15.6 to 15.11 in [13], the leading bit of the bitstring value shall be placed in the leading bit of the bit field, and the trailing bit of the bitstring value shall be placed in the trailing bit of the bit field.~~

~~NOTE—When using the "bstring" notation, the leading bit of the bitstring value is on the left, and the trailing bit of the bitstring value is on the right. The term 'leading bit' is to be interpreted as equal to the term 'first bit' defined in [14].~~

CHANGE REQUEST

25.419 CR 133 # rev - # Current version: 6.1.0

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

Title:	# Correction of reference to outdated ITU-T recommendations		
Source:	# RAN3		
Work item code:	# TEI6	Date:	# 15/11/2004
Category:	# F	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 RAN3 TSs 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.
Summary of change:	# The date for the reference to X.680, X.681 and X.691 are changed from 12/97 to 07/2002. The version 12/97 clarifications in section 9.4 are also removed since the clarifications now are included in the 07/2002 versions. <u>Impact assessment towards the previous version of the specification (same release):</u> This CR has no impact with the previous version of the specification (same release) because the proposed changes do not introduce any functional changes.
Consequences if not approved:	# The RAN3 TS will continue to refer to the superseded versions of the ITU-T Recommendations.

Clauses affected:	# 2, 9.4						
Other specs	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"></td> </tr> </table> Other core specifications	Y	N	X		#	25.413 CR719 Rel-6 25.423 CR1010 Rel-6 25.433 CR1056 Rel6 25.453 CR076 Rel-6
Y	N						
X							

affected:

<input checked="" type="checkbox"/>	Test specifications
<input checked="" type="checkbox"/>	O&M Specifications

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.

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- [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 23.041: "Technical realization of Cell Broadcast Service (CBS)".
- [6] 3GPP TS 25.414: "UTRAN Iu Interface Data Transport and Transport Signalling".
- [7] ITU-T Recommendation X.680 (~~12/1997~~[07/2002](#)): "Information Technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [8] ITU-T Recommendation X.681 (~~12/1997~~[07/2002](#)): "Information Technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [9] ITU-T Recommendation X.691 (~~12/1997~~[07/2002](#)): "Information Technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER)".
- [10] 3GPP TR 25.921: "Guidelines and Principles for Protocol Description and Error Handling".
- [11] 3GPP TS 25.324: "Broadcast/Multicast Control BMC".
- [12] 3GPP TS 23.003: "Numbering, addressing and identification".

9.4 Message Transfer Syntax

SABP shall use the ASN.1 Basic Packed Encoding Rules (BASIC-PER) Aligned Variant as transfer syntax as specified in ref. [9].

~~The following encoding rules apply in addition to what has been specified in X.691 [9]:~~

~~When a bitstring value is placed in a bit field as specified in 15.6 to 15.11 in [9], the leading bit of the bitstring value shall be placed in the leading bit of the bit field, and the trailing bit of the bitstring value shall be placed in the trailing bit of the bit field.~~

~~NOTE—When using the "bstring" notation, the leading bit of the bitstring value is on the left, and the trailing bit of the bitstring value is on the right. The term 'leading bit' is to be interpreted as equal to the term 'first bit' defined in [7].~~

CHANGE REQUEST

25.423 CR 1010 # rev - # Current version: 6.3.0

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

Title:	# Correction of reference to outdated ITU-T recommendations		
Source:	# RAN3		
Work item code:	# TEI6	Date:	# 15/11/2004
Category:	# F	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 RAN3 TSs 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.
Summary of change:	# The date for the reference to X.680, X.681 and X.691 are changed from 12/97 to 07/2002. The version 12/97 clarifications in section 9.4 are also removed since the clarifications now are included in the 07/2002 versions. <u>Impact assessment towards the previous version of the specification (same release):</u> This CR has no impact with the previous version of the specification (same release) because the proposed changes do not introduce any functional changes.
Consequences if not approved:	# The RAN3 TS will continue to refer to the superseded versions of the ITU-T Recommendations.

Clauses affected:	# 2, 9.4						
Other specs	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"></td> </tr> </table> Other core specifications	Y	N	X		#	25.413 CR719 Rel-6 25.419 CR133 Rel-6 25.433 CR1056 Rel6 25.453 CR076 Rel-6
Y	N						
X							

affected:

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Other comments: ☹

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- [1] 3GPP TS 23.003: "Numbering, addressing and identification".
- [2] 3GPP TS 25.413: "UTRAN Iu Interface RANAP Signalling".
- [3] 3GPP TS 25.426: "UTRAN Iur and Iub Interface Data Transport & Transport Layer Signalling for DCH Data Streams".
- [4] 3GPP TS 25.427: "UTRAN Iur and Iub Interface User Plane Protocols for DCH Data Streams".
- [5] 3GPP TS 25.435: "UTRAN Iub interface User Plane Protocols for Common Transport Channel Data Streams".
- [6] 3GPP TS 25.104: "UTRA (BS) FDD; Radio transmission and Reception".
- [7] 3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
- [8] 3GPP TS 25.211: "Physical Channels and Mapping of Transport Channels onto Physical Channels (FDD)".
- [9] 3GPP TS 25.212: "Multiplexing and Channel Coding (FDD)".
- [10] 3GPP TS 25.214: "Physical Layer Procedures (FDD)".
- [11] 3GPP TS 25.215: "Physical Layer – Measurements (FDD)".
- [12] 3GPP TS 25.221: "Physical Channels and Mapping of Transport Channels onto Physical Channels (TDD)".
- [13] 3GPP TS 25.223: "Spreading and Modulation (TDD)".
- [14] 3GPP TS 25.225: "Physical Layer – Measurements (TDD)".
- [15] 3GPP TS 25.304: "UE Procedures in Idle Mode"
- [16] 3GPP TS 25.331: "RRC Protocol Specification".
- [17] 3GPP TS 25.402: "Synchronisation in UTRAN, Stage 2".
- [18] ITU-T Recommendation X.680 ([T2002](#)): "Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [19] ITU-T Recommendation X.681 ([T2002](#)): "Information technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [20] ITU-T Recommendation X.691 ([T2002](#)): "Information technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER)".
- [21] 3GPP TS 25.213: "Spreading and modulation (FDD)".
- [22] 3GPP TS 25.224: "Physical Layer Procedures (TDD)".

- [23] 3GPP TS 25.133: "Requirements for support of Radio Resource management (FDD)".
- [24] 3GPP TS 25.123: "Requirements for support of Radio Resource management (TDD)".
- [25] 3GPP TS 23.032: "Universal Graphical Area Description (GAD)".
- [26] 3GPP TS 25.302: "Services Provided by the Physical Layer".
- [27] 3GPP TS 25.213: "Spreading and modulation (FDD)".
- [28] 3GPP TR 25.921: "Guidelines and Principles for Protocol Description and Error Handling".
- [29] GSM TS 05.05: "Digital cellular telecommunications system (Phase 2+); Radio transmission and reception".
- [30] ICD-GPS-200: "Navstar GPS Space Segment/Navigation User Interface".
- [31] RTCM-SC104: "RTCM Recommended Standards for Differential GNSS Service (v.2.2)".
- [32] 3GPP TS 25.425: "UTRAN Iur and Iub Interface User Plane Protocols for Common Transport Channel data streams".
- [33] IETF RFC 2460 "Internet Protocol, Version 6 (IPv6) Specification".
- [34] IETF RFC 768 "User Datagram Protocol", (8/1980)
- [35] 3GPP TS 25.424: " UTRAN Iur Interface Data Transport & Transport Signalling for Common Transport Channel Data Streams".
- [36] 3GPP TS 44.118: "Mobile radio interface layer 3 specification; Radio Resource Control (RRC) Protocol Iu mode".
- [37] 3GPP TR 43.930: "Iur-g interface; Stage 2".
- [38] 3GPP TS 48.008: "Mobile-services Switching Centre - Base Station System (MSC - BSS) interface; Layer 3 specification".
- [39] 3GPP TS 43.051: "GSM/EGDE Radio Access Network; Overall description - Stage 2".
- [40] 3GPP TS 25.401: "UTRAN Overall Description".
- [41] 3GPP TS 25.321: "MAC protocol specification".
- [42] 3GPP TS 25.306: "UE Radio Access capabilities".
- [43] 3GPP TS 25.101: " User Equipment (UE) radio transmission and reception (FDD)".
- [44] IETF RFC 2474 "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".
- [45] IETF RFC 2475 "An Architecture for Differentiated Services".
- [46] 3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".
- [47] 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".
- [48] 3GPP TS 32.421: "Subscriber and equipment trace: Trace concepts and requirements".
- [49] 3GPP TS 32.422: "Subscriber and equipment trace: Trace control and Configuration Management".

9.4 Message Transfer Syntax

RNSAP shall use the ASN.1 Basic Packed Encoding Rules (BASIC-PER) Aligned Variant as transfer syntax as specified in ref. [20].

~~The following encoding rules apply in addition to what has been specified in X.691 [20]:~~

~~When a bitstring value is placed in a bit field as specified in 15.6 to 15.11 in [20], the leading bit of the bitstring value shall be placed in the leading bit of the bit field, and the trailing bit of the bitstring value shall be placed in the trailing bit of the bit field.~~

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CHANGE REQUEST

25.433 CR 1056 # rev - # Current version: 6.3.0

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Consequences if not approved:	# The RAN3 TS will continue to refer to the superseded versions of the ITU-T Recommendations.

Clauses affected:	# 2, 9.4						
Other specs	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"></td> </tr> </table> Other core specifications	Y	N	X		#	25.413 CR719 Rel-6 25.419 CR133 Rel-6 25.423 CR1010 Rel-6 25.453 CR076 Rel-6
Y	N						
X							

affected:

<input checked="" type="checkbox"/>	Test specifications
<input checked="" type="checkbox"/>	O&M Specifications

Other comments: ☹

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- [1] 3GPP TS 25.401: "UTRAN Overall Description".
- [2] 3GPP TS 25.426: "UTRAN Iur and Iub Interface Data Transport & Transport Signalling for DCH Data Streams".
- [3] CCITT Recommendation X.731 (01/92): "Information Technology – Open Systems Interconnection – Systems Management: State Management function".
- [4] 3GPP TS 25.215: "Physical layer – Measurements (FDD)".
- [5] 3GPP TS 25.225: "Physical layer – Measurements (TDD)".
- [6] 3GPP TS 25.430: "UTRAN Iub General Aspect and Principle".
- [7] 3GPP TS 25.211: "Physical channels and mapping of transport channels onto physical channels (FDD)".
- [8] 3GPP TS 25.212: "Multiplexing and channel coding (FDD)".
- [9] 3GPP TS 25.213: "Spreading and modulation (FDD)".
- [10] 3GPP TS 25.214: "Physical layer procedures (FDD)".
- [11] ITU-T Recommendation X.691, (~~12/97~~[07/2002](#)) "Information technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER)".
- [12] ITU-T Recommendation X.680, (~~12/97~~[07/2002](#)) "Information Technology - Abstract Syntax Notation One (ASN.1):Specification of basic notation".
- [13] ITU-T Recommendation X.681, (~~12/97~~[07/2002](#)) "Information Technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [14] 3GPP TS 25.104: "UTRA (BS) FDD; Radio Transmission and Reception".
- [15] 3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
- [16] 3GPP TS 25.427: "UTRAN Iur/Iub Interface User Plane Protocol for DCH Data Stream".
- [17] 3GPP TS 25.402: "Synchronisation in UTRAN Stage2".
- [18] 3GPP TS 25.331: "RRC Protocol Specification".
- [19] 3GPP TS25.221: "Physical channels and mapping of transport channels onto physical channels[TDD]".
- [20] 3GPP TS 25.223: "Spreading and modulation (TDD)".
- [21] 3GPP TS 25.224: "Physical Layer Procedures (TDD)".
- [22] 3GPP TS 25.133: "Requirements for support of Radio Resource management (FDD)".

- [23] 3GPP TS 25.123: "Requirements for support of Radio Resource management (TDD)".
- [24] 3GPP TS 25.435: "UTRAN Iub Interface: User Plane Protocols for Common Transport Channel Data Streams".
- [25] 3GPP TS 25.302: "Services Provided by the Physical Layer".
- [26] 3GPP TR 25.921: "Guidelines and Principles for Protocol Description and Error Handling".
- [27] ICD-GPS-200: "Navstar GPS Space Segment/Navigation User Interface".
- [28] RTCM-SC104: "RTCM Recommended Standards for Differential GNSS Service (v.2.2)".
- [29] IETF RFC 2460 "Internet Protocol, Version 6 (IPv6) Specification".
- [30] IETF RFC 768 "User Datagram Protocol", (8/1980)
- [31] 3GPP TS 25.434: "UTRAN Iub Interface Data Transport & Transport Signalling for Common Transport Channel Data Streams".
- [32] 3GPP TS 25.321: "MAC protocol specification".
- [33] 3GPP TS 25.306: "UE Radio Access capabilities".
- [34] 3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".
- [35] IETF RFC 2474 "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".
- [36] IETF RFC 2475 "An Architecture for Differentiated Services".

9.4 Message Transfer Syntax

NBAP shall use the ASN.1 Basic Packed Encoding Rules (BASIC-PER) Aligned Variant as transfer syntax as specified in ref. [11].

~~The following encoding rules apply in addition to what has been specified in X.691 [11]:~~

~~When a bitstring value is placed in a bit field as specified in 15.6 to 15.11 in [11], the leading bit of the bitstring value shall be placed in the leading bit of the bit field, and the trailing bit of the bitstring value shall be placed in the trailing bit of the bit field.~~

~~NOTE—When using the "bstring" notation, the leading bit of the bitstring value is on the left, and the trailing bit of the bitstring value is on the right. The term 'leading bit' is to be interpreted as equal to the term 'first bit' defined in [12].~~

CHANGE REQUEST

25.453 CR 076 # rev - # Current version: 6.6.0

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

Title:	# Correction of reference to outdated ITU-T recommendations		
Source:	# RAN3		
Work item code:	# TEI6	Date:	# 15/11/2004
Category:	# F	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 RAN3 TSs 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.
Summary of change:	# The date for the reference to X.680, X.681 and X.691 are changed from 12/97 to 07/2002. The version 12/97 clarifications in section 9.4 are also removed since the clarifications now are included in the 07/2002 versions. <u>Impact assessment towards the previous version of the specification (same release):</u> This CR has no impact with the previous version of the specification (same release) because the proposed changes do not introduce any functional changes.
Consequences if not approved:	# The RAN3 TS will continue to refer to the superseded versions of the ITU-T Recommendations.

Clauses affected:	# 2, 9.4						
Other specs	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td style="width: 20px;">X</td> <td style="width: 20px;"></td> </tr> </table> Other core specifications	Y	N	X		#	25.413 CR719 Rel-6 25.419 CR133 Rel-6 25.423 CR1010 Rel-6 25.433 CR1056 Rel6
Y	N						
X							

affected:

<input checked="" type="checkbox"/>	Test specifications
<input checked="" type="checkbox"/>	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

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 TS 25.450: "UTRAN Iupc interface general aspects and principles".
- [2] 3GPP TS 25.451: "UTRAN Iupc interface layer 1".
- [3] 3GPP TS 25.452: "UTRAN Iupc interface signalling transport".
- [4] 3GPP TS 25.331: "Radio Resource Control (RRC) Protocol Specification".
- [5] 3GPP TS 25.401: "UTRAN Overall Description".
- [6] 3GPP TS 25.305: "Stage 2 functional specification of UE positioning in UTRAN".
- [7] ITU-T Recommendation X.680 (~~42/9707/2002~~): "Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation".
- [8] ITU-T Recommendation X.681 (~~42/9707/2002~~): "Information technology - Abstract Syntax Notation One (ASN.1): Information object specification".
- [9] ITU-T Recommendation X.691 (~~42/9707/2002~~): "Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)".
- [10] ICD-GPS-200: (12 April 2000) "Navstar GPS Space Segment/Navigation User Interface".
- [11] 3GPP TS 23.032: "Universal Geographical Area Description (GAD)".
- [12] 3GPP TR 25.921: "Guidelines and principles for protocol description and error handling".
- [13] 3GPP TS 25.133: "Requirements for support of Radio Resource management (FDD)".
- [14] 3GPP TS 25.123: "Requirements for support of Radio Resource management (TDD)".

9.4 Message Transfer Syntax

PCAP shall use the ASN.1 Basic Packed Encoding Rules (BASIC-PER) Aligned Variant as transfer syntax, as specified in [9].

~~The following encoding rules apply in addition to what has been specified in X.691 [9]:~~

~~When a bitstring value is placed in a bit field as specified in 15.6 to 15.11 in [9], the leading bit of the bitstring value shall be placed in the leading bit of the bit field, and the trailing bit of the bitstring value shall be placed in the trailing bit of the bit field.~~

~~NOTE—When using the "bstring" notation, the leading bit of the bitstring value is on the left, and the trailing bit of the bitstring value is on the right. The term 'leading bit' is to be interpreted as equal to the term 'first bit' defined in [7].~~