TSG RAN Meeting #28   **RP-050234**
Quebec, Canada, 01 - 03 June 2005
Title   **CRs (Rel-6 cat. F) to various specifications**

Source   **TSG RAN WG3**
Agenda Item   **8.11**

RAN3 Tdoc	Spec	CR	Rev	Cat	curr. Vers.	new Vers.	Rel	Work item	Title
R3-050481	25.425	93		F	6.1.0	6.2.0	Rel-6	TEI6	Correction to the range of TDD parameter in RACH DATA FRAME
R3-050482	25.427	103		F	6.2.0	6.3.0	Rel-6	TEI6	Correction to the range of TDD parameter in RX TIMING DEVIATION [3.84Mcps TDD] FRAME
R3-050483	25.435	136		F	6.1.0	6.2.0	Rel-6	TEI6	Correction to the range of TDD parameter in RACH DATA FRAME
R3-050583	25.410	63		F	6.2.0	6.3.0	Rel-6	TEI6	Correction of M3UA references
R3-050585	25.412	19		F	6.1.0	6.2.0	Rel-6	TEI6	Correction of M3UA references
R3-050589	25.422	16		F	6.0.0	6.1.0	Rel-6	TEI6	Correction of M3UA references
R3-050591	25.426	48		F	6.3.0	6.4.0	Rel-6	TEI6	Correction of M3UA references
R3-050820	25.420	48	1	F	6.3.0	6.4.0	Rel-6	TEI6	Correction to the initiation of release of the SCCP connection
R3-050821	25.424	29	1	F	6.1.0	6.2.0	Rel-6	TEI6	Correction to the initiation of the release of an AAL2 connection

CR-Form-v7.1

CHANGE REQUEST

| ⌘ | **25.410** CR | **063** | ⌘**rev** | **-** | ⌘ | Current version: | **6.2.0** | ⌘ |

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

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

Title: ⌘	Correction of M3UA references	
Source: ⌘	RAN3	
Work item code:⌘	TEI6	***Date:*** ⌘ 4/5/2005

Category: ⌘	**F**	***Release:*** ⌘ Rel-6	

Use one 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 one 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: ⌘	25.410 has a very old reference for M3UA
Summary of change:⌘	Reference should be updated to refer to RFC 3332
Consequences if not approved: ⌘	Various corrections /changes included in RFC 3332 will not be implemented.

Clauses affected: ⌘	2	

	Y	N		
Other specs ⌘	X		Other core specifications ⌘	25.412 CR19, 25.422 CR 16, 25.426 CR 48
affected:		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

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************************FIRST CHANGE**********************

2 References

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[1] 3GPP TS 25.401: "UTRAN Overall Description".

[2] 3GPP TR 23.930: "Iu Principles".

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

[4] 3GPP TS 25.411: "UTRAN Iu Interface Layer 1".

[5] 3GPP TS 25.412: "UTRAN Iu Interface Signalling Transport".

[6] 3GPP TS 25.413: "UTRAN Iu Interface RANAP Signalling".

[7] 3GPP TS 25.414: "UTRAN Iu Interface Data Transport and Transport Signalling"

[8] 3GPP TS 25.415: "UTRAN Iu Interface User Plane Protocols".

[9] ITU-T Recommendation Q.711 (07/1996): "Functional description of the signalling connection control part".

[10] ITU-T Recommendation Q.712 (07/1996): "Definition and function of signalling connection control part messages".

[11] ITU-T Recommendation Q.713 (07/1996): "Signalling connection control part formats and codes".

[12] ITU-T Recommendation Q.714 (07/1996): "Signalling connection control part procedures".

[13] 3GPP TS 23.003: "Numbering, Addressing and Identification".

[14] 3GPP TS 25.419: "UTRAN Iu Interface: Service Area Broadcast Protocol SABP".

[15] 3GPP TS 23.153: "Out of Band Transcoder Control; Stage 2".

[16] ITU-T Recommendation Q.2630.1: "AAL type 2 signalling protocol - (Capability Set 1)".

[17] ITU-T Recommendation Q.2630.2: "AAL type 2 signalling protocol - Capability Set 2".

[18] INTERNET-DRAFT, G. Sidebottom et al, "SS7 MTP3-User Adaptation Layer (M3UA)", draft-ietf-sigtran-m3ua-12.txt, February 2002.

[18] IETF RFC 3332(09/2002): "Signalling System 7 (SS7) Message Transfer Part 3 (MTP3) – User Adaptation Layer (M3UA)"

[19] IETF RFC 1889(01/1996): "RTP: A Transport Protocol for Real Time Applications".

[20] IETF RFC 768 (08/1980): "User Datagram Protocol".

[21] IETF RFC 793 (09/1981): "TCP, Transmission Control Protocol".

[22] IETF RFC 791 (09/1981): "Internet Protocol".

[23] IETF RFC 2460 (12/1998): "Internet Protocol, Version 6 (IPv6) Specification".

[24] IETF RFC 2960 (10/2000): "Stream Control Transmission Protocol".

[25] 3GPP TS 23.236: "Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes".

[26] 3GPP TS 23.251: "Network sharing - Architecture and functional description".

[27] 3GPP TS23.246: Multimedia Broadcast/Multicast Service (MBMS) Architecture and functional description

[28] 3GPP TS 25.346: "Introduction of the Multimedia Broadcast Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2".

*********************LAST CHANGE*********************

CR-Form-v7.1

CHANGE REQUEST

⌘	**25.412** CR	**019**	⌘ **rev**	**-**	⌘	Current version:	**6.1.0**	⌘

*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 M3UA references

Source: ⌘	RAN3

Work item code: ⌘	TEI6		**Date:** ⌘	4/5/2005

Category: ⌘	**F**		**Release:** ⌘	Rel-6

Use one of the following categories:
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A *(corresponds to a correction in an earlier release)*
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Use one 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: ⌘	25.412 has a very old reference for M3UA

Summary of change: ⌘	Reference should be updated to refer to RFC 3332

Consequences if not approved: ⌘	Various corrections /changes included in RFC 3332 will not be implemented.

Clauses affected: ⌘	2

	Y	**N**			
Other specs ⌘	**X**		Other core specifications	⌘	25.410 CR63, 25.422 CR 16, 25.426 CR 48
affected:		**X**	Test specifications		
		X	O&M Specifications		

Other comments: ⌘	

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[1]   ITU-T Recommendation Q.2100 (07/1994): "B-ISDN Signalling ATM Adaptation Layer (SAAL) - overview description".

[2]   ITU-T Recommendation Q.2110 (07/1994): "B-ISDN ATM Adaptation Layer – Service Specific Connection Oriented Protocol (SSCOP)".

[3]   ITU-T Recommendation Q.2140 (02/1995): "B-ISDN ATM adaptation layer – Service Specific Co-ordination Function for signalling at the Network Node Interface (SSCF AT NNI)".

[4]   ITU-T Recommendation Q.2210 (07/1996): "Message transfer part level 3 functions and messages using the services of ITU-T Recommendation Q.2140".

[5]   ITU-T Recommendation I.361 (11/1995): "B-ISDN ATM layer specification".

[6]   ITU-T Recommendation I.363.5 (08/1996): "B-ISDN ATM Adaptation Layer Type 5".

[7]   ITU-T Recommendation Q.711 (07/1996): "Functional description of the signalling connection control part".

[8]   ITU-T Recommendation Q.712 (07/1996): "Definition and function of Signalling connection control part messages".

[9]   ITU-T Recommendation Q.713 (07/1996): "Signalling connection control part formats and codes".

[10]   ITU-T Recommendation Q.714 (07/1996): "Signalling connection control part procedures".

[11]   ITU-T Recommendation Q.715 (07/1996): "Signalling connection control part user guide".

[12]   ITU-T Recommendation Q.716 (03/1993): "Signalling Connection Control Part (SCCP) performance".

[13]   IETF RFC 791 (09/1981): "Internet Protocol".

[14]   IETF RFC 2684 (09/1999): "Multiprotocol Encapsulation over ATM Adaptation Layer 5".

[15]   IETF RFC 2225 (04/1998): "Classical IP and ARP over ATM".

[16]   IETF RFC 2960 (10/2000): "Stream Control Transmission Protocol".

[17]   G. Sidebottom et al, "SS7 MTP3 - User Adaptation Layer", draft-ietf-sigtran-m3ua-11.txt (Work In Progress), IETF, January 2002.

[17]   IETF RFC 3332(09/2002): "Signalling System 7 (SS7) Message Transfer Part 3 (MTP3) – User Adaptation Layer (M3UA)"

[18]   3GPP TS 25.410: "UTRAN Iu Interface: General Aspects and Principles".

[19]   IETF STD 51, RFC 1661 (07/1994): "The Point-To-Point Protocol (PPP)".

[20]   IETF STD 51, RFC 1662 (07/1994): "PPP in HDLC-like Framing".

[21]   IETF RFC 2507 (02/1999): "IP header compression".

[22]   IETF RFC 1990: "The PPP Multilink Protocol (MP)".

[23]   IETF RFC 2686 (09/1999): "The Multi-Class Extension to Multi-Link PPP".

[24]   IETF RFC 2509 (02/1999): "IP Header Compression over PPP".

[25]   IETF RFC 2460: "Internet Protocol, Version 6 (Ipv6) Specification".

[26]   IETF RFC 2474 (12/1998): "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".

[27]   IETF RFC 768 (09/1980): "User Datagram Protocol".

[28]   IETF RFC 3031 (01/2001): "MPLS".

[29]   IETF RFC 3153 (08/2001): "PPPmultiplexing".

[30]   RFC 3309: "SCTP Checksum Change".

***********************LAST CHANGE**********************

3GPP TSG-RAN WG3 Meeting #47   *Tdoc ⌘ R3-050820*
Athens, Greece, 9ᵗʰ – 15ᵗʰ May 2005

CR-Form-v7.1

CHANGE REQUEST

⌘	**25.420 CR 048**	⌘**rev**	**1**	⌘	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 **X**   Core Network ☐

Title: ⌘	Correction to the initiation of release of the SCCP connection		
Source: ⌘	RAN3		
Work item code: ⌘	TEI6	***Date:*** ⌘	13/5/2005
Category: ⌘	**F**	***Release:*** ⌘	Rel-6

Use one 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 one 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: ⌘	It is not clear from the current specs that who shall initiate the release of SCCP connection after the completion of the relocation. For detail refer to R3-050462.
Summary of change: ⌘	Rev 1 Change of the wording. Rev 0 The initiation of the release of the SCCP connection in Iur, is corrected as follow. An SCCP connection is released when RNC who had initiated the establishment of the SCCP connection realises that a given connection is no longer required. The RNC who had initiated the establishment of the SCCP connection send an SCCP Release message. Impact assessment towards the previous version of the specification (same rlease): This CR has an isolated impact with 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 the change affects one function namely the SCCP connection release

Consequences if not approved:	⌘	If the relocation type is "UE not involved in relocation of SRNS" and aftet the completion of the relocation, it could happen the neither source RNC nor target RNC initiate the SCCP connection release therefore cause the hanging of Iur resource.

Clauses affected:	⌘	4.5.1.4, 4.5.1.5.2		

		Y	**N**			
Other specs affected:	⌘	**X**		Other core specifications	⌘	CR29 25.424
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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4.5.1.4   SCCP connection release

An SCCP connection related to a specific UE is released in all normal release cases when the ~~SRNC~~RNC which established the SCCP connection realises that a given signalling connection is no longer required.

The ~~SRNC~~ RNC which established SCCP connection sends an SCCP Released message.

The procedure may be initiated at the SRNC side and the DRNC side in any abnormal release case.

An SCCP connection used for common measurements and information exchanges is released in all normal release cases when the RNC1 (see 4.5.1.3A) determines that a given signalling connection is no longer required. The RNC1 sends an SCCP Released message.

In case an SCCP Release message is received after the successful completion of an SRNC Relocation procedure while dedicated resources are still allocated the new SRNC shall only release the SCCP connection and the Iur related dedicated resource.

The procedure may be initiated at the RNC 1 side and the RNC 2 side in any abnormal release case.

4.5.1.5   General SCCP Abnormal Conditions

4.5.1.5.1   SCCP bearer failure

If a user-out-of-service information or signalling-point-inaccessible information is received by the RNSAP, no new attempt to establish SCCP connections or to send SCCP Connectionless messages towards the affected signalling point (indicated by the affected signalling point code) will be started until the corresponding user-in-service information or signalling-point-accessible information is received.

When a user-out-of-service information or signalling-point-inaccessible is received by an RNC, an optional timer may be started. When the timer expires, the RNC shall take actions as described in [5] Annex ~~X~~D.1.1. When the user-in-service or signalling-point-accessible is received, the timer is stopped.

4.5.1.5.2   SCCP connection failure

If for any reason an SCCP connection is released, the optional timer expires or a connection refusal is received while any of the RNSAP procedures are being performed or while a dedicated resource is still allocated, this shall be handled by the RNC as described in [5] Annex ~~X.2~~D.1.2.

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CHANGE REQUEST

⌘ **25.422** CR **016** ⌘**rev** **-** ⌘ Current version: **6.0.0** ⌘

*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 ☐

Title: ⌘	Correction of M3UA references	
Source: ⌘	RAN3	
Work item code:⌘	TEI6	**Date:** ⌘ 4/5/2005

Category: ⌘ **F**	**Release:** ⌘ Rel-6
Use one 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 one 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: ⌘	25.422 has a very old reference for M3UA
Summary of change:⌘	Reference should be updated to refer to RFC 3332
Consequences if not approved: ⌘	Various corrections /changes included in RFC 3332 will not be implemented.

Clauses affected: ⌘	2		
	Y **N**		
Other specs ⌘	**X** ☐	Other core specifications ⌘	25.410 CR63, 25.412 CR 19, 25.426 CR 48
affected:	☐ **X**	Test specifications	
	☐ **X**	O&M Specifications	
Other comments: ⌘			

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[2]   ITU-T Recommendation Q.2110 (7/94): "B-ISDN ATM adaptation layer - Service Specific Connection Oriented Protocol (SSCOP)".

[3]   ITU-T Recommendation Q.2140 (2/95): "B-ISDN ATM adaptation layer - Service Specific Co-ordination Function for signalling at the Network Node Interface (SSCF AT NNI)".

[4]   ITU-T Recommendation Q.2210 (7/96): "Message transfer part level 3 functions and messages using the services of ITU-T Recommendation Q.2140".

[5]   ITU-T Recommendation I.361 (11/95): "B-ISDN ATM layer specification".

[6]   ITU-T Recommendation I.363.5 (8/96): "B-ISDN ATM Adaptation Layer specification: Type 5 AAL".

[7]   ITU-T Recommendation Q.711 (7/96): "Functional description of the signalling connection control part".

[8]   ITU-T Recommendation Q.712 (7/96): "Definition and function of Signalling connection control part messages".

[9]   ITU-T Recommendation Q.713 (7/96): Signalling connection control part formats and codes.

[10]   ITU-T Recommendation Q.714 (7/96): "Signalling connection control part procedures".

[11]   ITU-T Recommendation Q.715 (7/96): "Signalling connection control part user guide".

[12]   ITU-T Recommendation Q.716 (3/93): "Signalling System No. 7 - Signalling Connection Control Part (SCCP) performance".

[13]   IETF RFC 791 (September 1981): "Internet Protocol".

[14]   IETF RFC 1483 (July 1993): "Multi protocol Encapsulation over ATM Adaptation Layer 5".

[15]   IETF RFC 2225 (April 1998): "Classical IP and ARP over ATM".

[16]   IETF RFC 2960 (October 2000): "Stream Control Transmission Protocol".

[17]   G. Sidebottom et al, "SS7 MTP3 - User Adaptation Layer", draft-ietf-sigtran-m3ua-12.txt (Work In Progress), IETF, February 2002..

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[19]   IETF STD 51, RFC 1662 (July 1994): "PPP in HDLC-like Framing".

[20]   IETF RFC 2507 (February 1999): "IP header compression".

[21]   IETF RFC 1990 "The PPP Multilink Protocol (MP)".

[22]   IETF RFC 2686 "The Multi-Class Extension to Multi-Link PPP".

[23]   IETF RFC 2509 (February 1999): "IP Header Compression over PPP".

[24]   IETF RFC 2460 "Internet Protocol, Version 6 (Ipv6) Specification".

[25]   IETF RFC 2474 (December 1998): "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".

[26]   IETF RFC 768 (8/1980): "User Datagram Protocol".

[27]   IETF RFC 3153 (8/2001): "PPP Multiplexing".

[28]   IETF RFC 2364 (7/1998): "PPP over AAL5".

[29]   IETF RFC 3031 (1/2001): "Multiprotocol Label Switching Architecture".

[30]   RFC 3309: "SCTP Checksum Change".

**********************LAST CHANGE**********************

CR-Form-v7.1

CHANGE REQUEST

| ⌘ | **25.424 CR 029** | ⌘ **rev** | **1** | ⌘ | Current version: | **6.1.0** | ⌘ |

*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 ☐

Title: ⌘	Correction to the initiation of the release of an AAL2 connection
Source: ⌘	RAN3
Work item code:⌘	TEI6
Date: ⌘	13/5/2005

Category: ⌘	**F**
Release: ⌘	Rel-6

Use <u>one</u> of the following categories:
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R99   *(Release 1999)*
Rel-4   *(Release 4)*
Rel-5   *(Release 5)*
Rel-6   *(Release 6)*
Rel-7   *(Release 7)*

Reason for change: ⌘	It is not clear from the current specs that who shall initiate the release of an AAL2 connection (i.e. using ALCAP) after the completion of relocation. For further detail refer to R3-050463.
Summary of change:⌘	Rev1 Change the wording. Rev 0 The initiation of the release of an AAL2 connection over Iur, is corrected as follows. User Plane Transport bearers are established by the ALCAP in Serving RNC, and in all normal cases released by the ALCAP in the RNC who initiated the establishment of the AAL2 connection. <u>Impact assessment towards the previous version of the specification</u> (same rlease): This CR has an isolated impact with 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 the change affects one function namely the AAL2 connection release
Consequences if not approved: ⌘	If the relocation type is "UE not involved in relocation of SRNS" and after the completion of the relocation, it could happen the neither source RNC nor target RNC initiates the AAL2 connection release this can therefore cause the hanging

		of Iur resources.		

Clauses affected:	⌘	6.2		

		Y	**N**			
Other specs	⌘	X		Other core specifications	⌘	CR48 25.420
affected:			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.

6.2   Transport Signalling in case of ATM option

AAL2 signalling protocol Capability Set 2, ITU-T Recommendation Q.2630.2 [8], is the signalling protocol to control the AAL2 connections on Iur interfaces. Q.2630.2 [8] adds new optional capabilities to Q.2630.1 [4].

AAL2 transport layer addressing is based on embedded E.164 or other AESA variants of the NSAP addressing format [5,9]. Native E.164 [23] addressing shall not be used.

Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [8]. The binding identifier shall already be assigned and tied to a radio application procedure when the Establish Request message is received over the Iur interface in the Drift RNC.

User Plane Transport bearers are established by the ALCAP in Serving RNC, and in all normal cases released by the ALCAP in the ~~Serving~~ RNC which established the AAL2 connection.

The Link Characteristics parameter (LC) shall be included in the Establish Request message and in the Modification Request message of AAL2 signalling protocol.

If there is an AAL2 switching function in the transport network layer of the interface, the Path Type parameter (PT) may be included in the Establish Request message of AAL2 signalling protocol for prioritisation at ATM level.

If the value in either the Maximum CPS-SDU Bit Rate or the Average CPS-SDU Bit Rate of the Link Characteristics(LC) in AAL 2 signalling messages as specified in reference [8] is 2048 Kbit/s, it shall be interpreted as bit rate 2048 Kbit/s or higher.

> NOTE: Separation of traffic (e.g. HS-DSCH) that is using this modified interpretation of Link Characteristics in ref. [8] from other traffic is highly recommended. Otherwise the potential bursty nature of this specific traffic in combination with its unknown bit rate may decrease the QoS of all traffic within the same AAL type 2 path.

CR-Form-v7.1

CHANGE REQUEST

| ⌘ | **25.425** CR **093** | ⌘**rev** | **-** | ⌘ Current version: | **6.1.0** | ⌘ |

*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 ☐

Title: ⌘	Correction to the range of TDD parameter in RACH DATA FRAME	
Source: ⌘	RAN3	
Work item code:⌘	TEI6	**Date:** ⌘ 09/05/2005
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 value range of Rx Timing Deviation [3.84Mcps TDD] and Received SYNC UL Timing Deviation [1.28Mcps TDD] is out of range.
Summary of change:⌘	Change the maximum value of Rx Timing Deviation [3.84Mcps TDD] and Received SYNC UL Timing Deviation [1.28Mcps TDD] from +256chips to +255chips. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the TDD parameter in RACH DATA FRAME.
Consequences if not approved: ⌘	If this document is not approved, there would cause some problems when Rx Timing Deviation [3.84Mcps TDD] and Received SYNC UL Timing Deviation [1.28Mcps TDD] use the maximum value 256 chips.

Clauses affected: ⌘	6.2.5.11, 6.2.5.11A

	Y	N		
Other specs ⌘	X		Other core specifications ⌘	CR103 TS 25.427 Rel-6 CR136 TS 25.435 Rel-6
affected:		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

How to create CRs using this form:

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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.

6.2.5.11   Rx Timing Deviation [3.84Mcps TDD]

Description: Measured Rx Timing Deviation as a basis for timing advance.

Value range: {-256, ..., +256255} chips

$\qquad$ {N*4 - 256} chips $\leq$ RxTiming Deviation < {(N+1)*4 - 256} chips

$\qquad$ With N = 0, 1, ...,127

Granularity: 4 chips.

Field length: 7 bits.

6.2.5.11A   Received SYNC UL Timing Deviation [1.28Mcps TDD]

Description: Measured Received SYNC UL Timing Deviation as a basis for propagation delay.

Value range: {0, ..., +256255} chips

Granularity: 1 chip.

Field length: 8 bits.

CR-Form-v7.1

CHANGE REQUEST

⌘ **25.426** CR **048** ⌘ **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 **X** Core Network ☐

Title: ⌘	Correction of M3UA references	
Source: ⌘	RAN3	
Work item code:⌘	TEI6	***Date:*** ⌘ 4/5/2005
Category: ⌘ **F**		***Release:*** ⌘ Rel-6

Use one 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 one 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: ⌘	25.426 has a very old reference for M3UA
Summary of change:⌘	Reference should be updated to refer to RFC 3332
Consequences if not approved: ⌘	Various corrections /changes included in RFC 3332 will not be implemented.

Clauses affected: ⌘	2

	Y	N		
Other specs ⌘	X		Other core specifications ⌘	25.410 CR63, 25.412 CR 19, 25.422 CR 16
affected:		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.

***********************FIRST CHANGE**********************

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 25.427: "UTRAN Iur and Iub User interface plane protocols for DCH data streams".

[2]   ITU-T Recommendation I.361 (11/95): "B-ISDN ATM layer specification".

[3]   ITU-T Recommendation I.363.2 (11/2000): "B-ISDN ATM Adaptation Layer specification; Type 2 AAL".

[4]   ITU-T Recommendation I.366.1 (6/98): "Segmentation and Reassembly Service Specific Convergence Sublayer for the AAL type 2".

[5]   ITU-T Recommendation Q.2630.1 (12/99): "AAL type 2 signalling protocol (Capability Set 1)".

[6]   ITU-T Recommendation E.191 (03/00): "B-ISDN addressing".

[7]   ITU-T Recommendation X.213 (11/95): "Information Technology - Open Systems Interconnection - Systems Interconnection - Network Service Definition".

[8]   ITU-T Recommendation Q.2110 (7/94): "B-ISDN ATM adaptation layer - Service Specific Connection Oriented Protocol (SSCOP)".

[9]   ITU-T Recommendation Q.2130 (7/94): "B-ISDN signalling ATM adaptation layer - Service Specific Coordination Function for Support of Signalling at the User-Network Interface (SSCF at UNI)".

[10]   ITU-T Recommendation Q.2150.2 (12/99): "AAL type 2 signalling transport converter on SSCOP)".

[11]   ITU-T Recommendation Q.2210 (7/96): Message transfer part level 3 functions and messages using the services of the ITU-T Recommendation Q.2140".

[12]   ITU-T Recommendation Q.2140 (2/95): "B-ISDN ATM adaptation layer - Service Specific Coordination Function for Support of Signalling at the Network Node Interface (SSCF at NNI)".

[13]   ITU-T Recommendation Q.2150.1 (12/99): "AAL type 2 signalling transport converter on broadband MTP".

[14]   IETF RFC 791 (September 1981): "Internet Protocol".

[15]   IETF RFC 1483 (July 1993): "Multiprotocol Encapsulation over ATM Adaptation Layer 5".

[16]   IETF RFC 2225 (April 1998): "Classical IP and ARP over ATM".

[17]   IETF RFC 768 (August 1980): "User Datagram Protocol".

[18]   IETF RFC 2960 (October 2000): "Stream Control Transmission Protocol".

[19]   G. Sidebottom et al, "SS7 MTP3 - User Adaptation Layer", draft-ietf-sigtran-m3ua-12.txt (Work In Progress), IETF, February 2002.

[19]   IETF RFC 3332(09/2002): "Signalling System 7 (SS7) Message Transfer Part 3 (MTP3) – User Adaptation Layer (M3UA)"

[20]   ITU-T Recommendation I.630 (2/99): "ATM protection switching".

[21]   ITU-T Recommendation Q.Imp2210: "Implementor's guide (03/99) for Recommendation Q.2210 (07/96)".

[22]   ITU-T Recommendation Q.2630.2 (12/2000): "AAL type 2 signalling protocol (Capability Set 2)".

[23]   IETF STD 51, RFC 1661 (July 1994): "The Point-To-Point Protocol (PPP)".

[24]   IETF STD 51, RFC 1662 (July 1994): "PPP in HDLC-like Framing".

[25]   IETF RFC 2507, (February 1999): "IP header compression".

[26]   IETF RFC 1990 "The PPP Multilink Protocol (MP)".

[27]   IETF RFC 2686 "The Multi-Class Extension to Multi-Link PPP".

[28]   IETF RFC 2509, (February 1999):"IP Header Compression over PPP".

[29]   IETF RFC 2460 "Internet Protocol, Version 6 (IPv6) Specification".

[30]   IETF RFC 2474 (December 1998): "Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers".

[31]   IETF RFC 768 (8/1980): "User Datagram Protocol".

[32]   IETF RFC 3153 (August 2001): "PPP Multiplexing".

[33]   IETF RFC 2364 (July 1998): "PPP over AAL5".

[34]   IETF RFC 3031 (January 2001): "Multiprotocol Label Switching Architecture".

[35]   Void[36] ITU-T Recommendation E.164 (5/97): " The international public telecommunication numbering plan ".

[37]   RFC 3309: "SCTP Checksum Change".

[38]   3GPP TS 25.414: " UTRAN Iu Interface Data Transport & Transport Signalling".

***********************LAST CHANGE**********************

CR-Form-v7.1

CHANGE REQUEST

| ⌘ | **25.427** CR **103** | ⌘ **rev** | **-** | ⌘ | Current version: | **6.2.0** | ⌘ |

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

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

Title: ⌘	Correction to the range of TDD parameter in RX TIMING DEVIATION [3.84Mcps TDD] FRAME	
Source: ⌘	RAN3	
Work item code: ⌘	TEI6	***Date:*** ⌘ 09/05/2005
Category: ⌘ **F**		***Release:*** ⌘ Rel-6

Use *one* 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 *one* 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 value range of Rx Timing Deviation [3.84Mcps TDD] is out of range.
Summary of change: ⌘	Change the maximum value of Rx Timing Deviation [3.84Mcps TDD] from +256chips to +255chips. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the TDD parameter in RX TIMING DEVIATION [3.84Mcps TDD] FRAME.
Consequences if not approved: ⌘	If this document is not approved, there would cause some problems when Rx Timing Deviation [3.84Mcps TDD] use the maximum value 256 chips.

Clauses affected: ⌘	6.3.3.7.2

	Y	N		
Other specs ⌘	X		Other core specifications ⌘	CR093 TS 25.425 Rel-6 CR136 TS 25.435 Rel-6
affected:		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.

6.3.3.7.2   Rx Timing Deviation

Description: Measured Rx Timing deviation as a basis for timing advance.

Value range: {-256, ..,+~~256~~ 255 chips}.

{N x 4 –256}chips ≤ RxTiming Deviation < {(N+1) x 4 –256} chips

With N = 0,1, .. , 127

Granularity: 4 chips.

Field length: 7 bits.

CR-Form-v7.1

CHANGE REQUEST

| ⌘ | **25.435** CR **136** | ⌘**rev** | **-** | ⌘ | Current version: | **6.1.0** | ⌘ |

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 [ ]

Title: ⌘	Correction to the range of TDD parameter in RACH DATA FRAME	
Source: ⌘	RAN3	
Work item code: ⌘	TEI6	**Date:** ⌘ 09/05/2005
Category: ⌘	**F**	**Release:** ⌘ Rel-6

Use one 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 one 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 value range of Rx Timing Deviation [3.84Mcps TDD] and Received SYNC UL Timing Deviation [1.28Mcps TDD] is out of range.
Summary of change: ⌘	Change the maximum value of Rx Timing Deviation [3.84Mcps TDD] and Received SYNC UL Timing Deviation [1.28Mcps TDD] from +256chips to +255chips. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the TDD parameter in RACH DATA FRAME.
Consequences if not approved: ⌘	If this document is not approved, there would cause some problems when Rx Timing Deviation [3.84Mcps TDD] and Received SYNC UL Timing Deviation [1.28Mcps TDD] use the maximum value 256 chips.
Clauses affected: ⌘	6.2.7.6, 6.2.7.6A

		Y	N		
Other specs ⌘		X		Other core specifications ⌘	CR093 TS 25.425 Rel-6 CR103 TS 25.427 Rel-6
affected:			X	Test specifications	
			X	O&M Specifications	
Other comments: ⌘					

How to create CRs using this form:

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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.

6.2.7.6   Rx Timing Deviation [3.84Mcps TDD]

Description: Measured Rx Timing Deviation as a basis for timing advance. This value should consider measurements made in all frames and all timeslots that contain the transport blocks in the payload. In case the *Timing Advance Applied* IE indicates "No" (see [6]) in a cell, the Rx Timing Deviation field shall be set to N = 0.

Value range: {-256 .. +~~256~~ 255 chips}.

> {N*4 –256} chips ≤ RxTiming Deviation < {(N+1)*4 – 256} chips.
>
> With N = 0, 1, .., 127.

Granularity: 4 chips.

Field length: 7 bits.

6.2.7.6A   Received SYNC UL Timing Deviation [1.28Mcps TDD]

Description: Measured Received SYNC UL Timing Deviation as a basis for propagation delay.

Value range: {0, .., +~~256~~255} chips

Granularity: 1 chip.

Field length: 8 bits.