TSG-RAN Meeting #14 Kyoto, Japan, 11 - 14, December, 2001

Title: Agreed CRs to TS 25.426

Source: TSG-RAN WG3

Agenda item: 8.3.3/8.3.4/9.4.3

RP Tdoc	R3 Tdoc	Spec	CR_Num	Rev	Release	CR_Subject	Cat	Cur_Ver	New_Ver	Workitem
RP-010859	R3-013490	25.426	017	1	Rel-4	Correction to Figure 3	А	4.0.0	4.1.0	TEI
RP-010859	R3-013208	25.426	014		R99	Reference corrections	F	3.6.0	3.7.0	TEI
RP-010859	R3-013489	25.426	016	1	R99	Correction to Figure 3	F	3.6.0	3.7.0	TEI
RP-010859	R3-013209	25.426	015		Rel-4	Reference corrections	А	4.0.0	4.1.0	TEI

3GPP TSG-RAN3 Meeting #25 Makuhari, Japan, 26th – 30th November, 2001

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Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

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[3]	ITU-T Recommendation I.363.2 (<u>9/1997</u>): "B-ISDN ATM Adaptation Layer type 2".
[4]	ITU-T Recommendation I.366.1 ($\underline{6/19}$ 98): "Segmentation and Reassembly Service Specific Convergence Sublayer for the AAL type 2".
[5]	ITU-T Recommendation Q.2630.1 ($\underline{12/1999}$): "AAL type 2 Signalling Protocol (Capability Set 1)".
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[7]	ITU-T Recommendation X.213 ($\underline{11/1995}$): "Information Technology - Open Systems Interconnection - Network Service Definition".
[8]	ITU-T Recommendation Q.2110 ($\overline{7/1994}$): "B-ISDN ATM Adaptation layer - Service Specific Connection Oriented Protocol (SSCOP".
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[10]	ITU-T Recommendation Q.2150.2 (12/99): "AAL type 2 signalling transport converter on SSCOP".
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[14]	IETF RFC 791 (September 1981): "Internet Protocol".
[15]	IETF RFC 1483 (<u>July</u> 1993): "Multiprotocol Encapsulation over ATM Adaptation Layer 5".
[16]	IETF RFC 2225 (April 1998): "Classical IP and ARP over ATM".
[17]	IETF RFC 768 (<u>August</u> 1980): "User Datagram Protocol".
[18]	IETF RFC 2960 (10/October 2000): "Stream Control Transmission Protocol".

[19]	G. Sidebottom et al, "SS7 MTP3 - User Adaptation Layer", draft-ietf-sigtran-m3ua-04.txt (Work In Progress), IETF, September 2000.
[20]	ITU-T Recommendation I.630 (<u>2/19</u> 99): "ATM Protection Switching".
[21]	ITIL-T Implementar's guide (12/99) for recommendation O 2210 (07/96)

7.2 Signalling Bearer

SAAL-UNI [8, 9] is used as a signalling bearer for the AAL Type 2 Signalling protocol on Iub interface. Signalling Transport Converter for SSCOP is applied [910]. The following figure shows the signalling bearer protocol stack for the ALCAP on Iub interface.

3GPP TSG-RAN3 Meeting #25 Makuhari, Japan, 26th – 30th November, 2001

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Consequences if	¥						problems as			

incomplete references for the other specifications may lead to ambiguous or
unclear version to use.

Clauses affected:	<mark>光 2</mark>
Other specs affected:	X Other core specifications
Other comments:	₩

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3GPP TSG-RAN3 #25 Meeting Makuhari, Japan, November 26th – 30th 2001

*	25.										
		.426	CR 016	*	rev 1	ж	Current vers	3.6.0)		
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.											
Proposed change a	affec	ts: ¥	(U)SIM	ME/UE	Ra	dio Ac	cess Network	K X Core I	Network		
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Reason for change.	<i>:</i>	proto	RFC 2225 and "AAL5 designate to the control of the	(Classical CPCS" ter the latter; and RFC 2 out "routed AL5, i.e., w AAL5 is ab mention of	signalling IP over A ms, whe 684 (Mu and brid when the sent"; Classica	g bear ATM) r reas th Itiproto Iged P Service		ous for the follows for the "AAL5" m is obviously lation over Accarried directly onvergence S	SSCS" y used to AL5) are y over the sublayer		
Summary of change	e: Ж	Delete the AAL5 SSCS sublayer from the IP based protocol stack in Figure 3. Rename the AAL5 Common Part sublayer as AAL5 in Figure 3. Add references to Classical IP over ATM implementation in the text.							gure 3.		
Consequences if not approved:	Ж	ambi	P-over-ATM s guous.	cheme for	the IP-ba	ased A	ALCAP signall	ling bearer wi	II remain		
			<u>t Analysis:</u> CR has isolate	ad impact o	n the pr	avious	version of the	a spacificatio	n (samo		
			se) because it								
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Other specs	æ	Other core specifications	\mathfrak{H}	TS 25.426 v4.0.0 CR017
affected:	_	Test specifications O&M Specifications		
Other comments:	æ			

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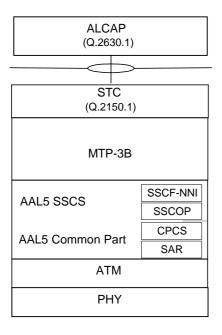
8 Signalling Bearer for ALCAP on I_{ur} Interface

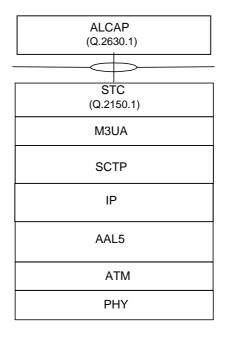
8.1 Introduction

This clause specifies the signalling bearer for the ALCAP on the Iur interface.

8.2 Signalling Bearer

There are two protocol stacks specified for Iur ALCAP Signalling Bearer - one based on MTP-3B [11, 21] and SAAL-NNI [12, 8] and the other based on SCTP [18]. Signalling Transport Converter for MTP-3B is applied [13]. MTP-3 User Adaptation Layer (M3UA) for SCTP is applied [19]. Classical IP over ATM is specified in [16]. Multiprotocol Encapsulation over AAL5 is specified in [15]. The following figure shows the signalling bearer protocol stacks for the ALCAP on Iur interface.





MTP-3B based lur ALCAP Signalling Bearer

IP based Iur ALCAP Signalling Bearer

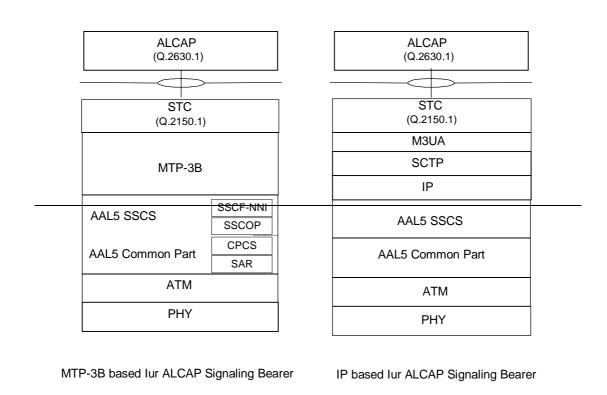


Figure 3: Signalling bearers for ALCAP on lur interface

3GPP TSG-RAN3 #25 Meeting Makuhari, Japan, November 26th – 30th 2001

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*	25.42	26 CR	017	ж	rev	1	¥	Current vers	sion:	4.0.0	#
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Reason for change: The presence of an AAL5 SSCS sublayer in Figure 3 depicting the IP-base protocol stack for the ALCAP signalling bearer is ambiguous for the follow reasons: RFC 2225 (Classical IP over ATM) makes no use of the "AAL5 SS and "AAL5 CPCS" terms, whereas the "AAL5" term is obviously us designate the latter; RFC 1483 and RFC 2684 (Multiprotocol Encapsulation over AAL5 specific about "routed and bridged PDUs [being] carried directly of CPCS of AAL5, i.e., when the Service Specific Convergence Subl (SSCS) of AAL5 is absent"; there is no mention of Classical IP over ATM in the text, although relevant IETF RFCs are listed in the references.							SSCS" used to L5) are over the ablayer				
Summary of change	R	tename th	e AAL5 C	ommon	Part s	sublay	er a	based proto s AAL5 in Fig plementation	gure 3	3.	ure 3.
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Clauses affected:

第 8.2

Other specs	¥	X	Other core specifications	ж	TS 25.426 v3.6.0 CR016
affected:			Test specifications O&M Specifications		
Other comments:	¥				

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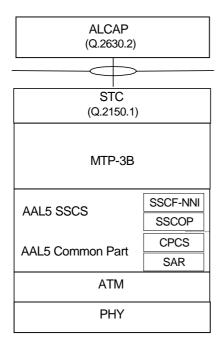
8 Signalling Bearer for ALCAP on I_{ur} Interface

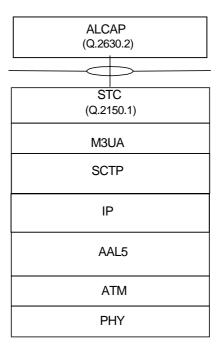
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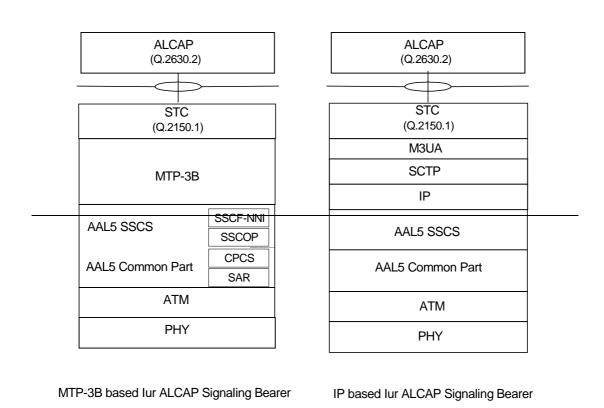


Figure 3: Signalling bearers for ALCAP on lur interface