TSG-RAN Meeting #10
Bangkok, Thailand, 6 - 8 December 2000

TSGRP#10(00)0631

Title: **Agreed CRs to TS 25.434**

Source: **TSG-RAN WG3**

Agenda item: **5.3.3**

Tdoc_Num	Specification	CR_Num	Revision_Nu	CR_Subject	CR_Categor	WG_Status	Cur_Ver_Nu	New_Ver_Nu
R3-002649	25.434	004		Editorial corrections to 25.434	D	agreed	3.3.0	3.4.0
R3-003259	25.434	005	1	Application of AAL2 Link Characteristics on Iub/Iur	F	agreed	3.3.0	3.4.0

3GPP TSG RAN WG3 Meeting #16
Windsor, England, 16.-20. October, 2000

***Document* R3-002649**
e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

25.434	CR	004	Current Version:	3.3.0

GSM (AA.BB) or 3G (AA.BBB) specification number ↑ *↑ CR number as allocated by MCC support team*

For submission to:	RAN#10	for approval	X	strategic		(for SMG use only)
list expected approval meeting # here ↑		for information		non-strategic		

Form: CR cover sheet, version 2 for 3GPP and SMG *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc*

Proposed change affects: *(at least one should be marked with an X)* (U)SIM [ ] ME [ ] UTRAN / Radio [X] Core Network [ ]

Source: R-WG3 **Date:** 06.10.2000

Subject: Editorial corrections to 25.434

Work item:

Category: *(only one category shall be marked with an X)*

F	Correction		**Release:**	Phase 2	
A	Corresponds to a correction in an earlier release			Release 96	
B	Addition of feature			Release 97	
C	Functional modification of feature			Release 98	
D	Editorial modification	X		Release 99	X
				Release 00	

Reason for change: Some typing errors and other errors have been corrected in order to improve the quality of the given Technical Specification

Clauses affected: 5.1, 5.2, 6.1, 6.2 and 7.2

Other specs affected:

Other 3G core specifications		→ List of CRs:
Other GSM core specifications		→ List of CRs:
MS test specifications		→ List of CRs:
BSS test specifications		→ List of CRs:
O&M specifications		→ List of CRs:

Other comments:


help.doc

<--------- double-click here for help and instructions on how to create a CR.

5 I_{ub} Data Transport for Common Transport Channel Data Streams

5.1 Introduction

This chapter specifies the transport layers that support Common Transport Channels (FACH, RACH, CPCH [FDD], DSCH, USCH [TDD]) data streams.

5.2 Transport Layer

ATM and AAL2 (I363.2 [1] and I366.1 [2]) is are used at the standard transport layer for Iub RACH, CPCH [FDD] FACH, DSCH, USCH [TDD] data streams.

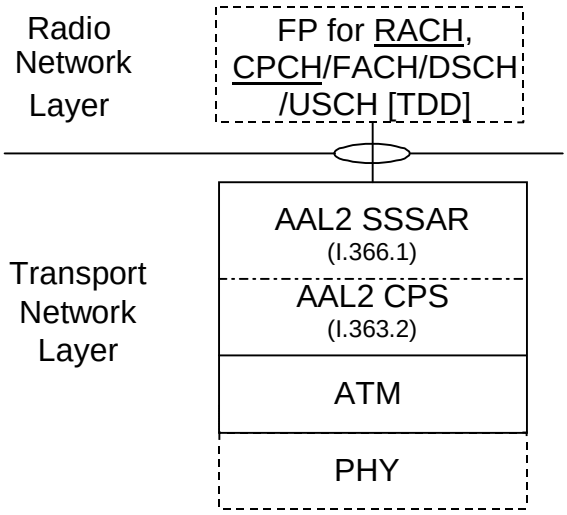

Figure 1: Protocol stack forRACH, CPCH [FDD], FACH, and DSCH Iub data stream transport

Figure 1 shows the protocol stack for the transport of RACH, CPCH [FDD], FACH, DSCH and USCH [TDD] Iub data streams. The Service Specific Segmentation and Reassembly (SSSAR) sublayer is used for the segmentation and reassembly of AAL2 SDUs (i.e. SSSAR is only considered from I366.1).

6 I_{ub} Transport Signalling for Common Transport Channel Data Streams

6.1 Introduction

This chapter specifies the transport signalling protocol(s) used to establish the user plane transport bearers. The protocol stack is shown in chapter ~~6~~ 7 (Figure 2).

6.2 Transport Signalling

Q.2630.1 as ~~development~~ developed by ITU-T [3] is selected as the standard AAL2 signalling protocol for Iub.

7.2 Signalling Bearer

SAAL-UNI is the standard signalling bearer for the AAL Type Signalling protocol (Q.2630.1) on Iub [4, 5]. The protocol stack is shown in Figure 2 below.

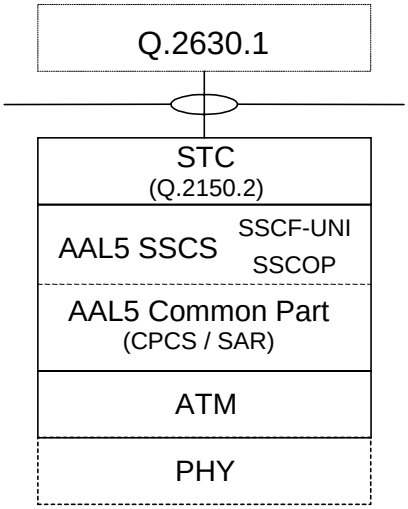

Figure 2: Transport Network Control plane protocol structure on Iub

Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [3].

~~A signalling transport converter (STC) is shown in the protocol stack, since Q.2630.1 does not include this.~~ The signalling transport converter (STC) relevant for Iub is Q.2150.2 [6]. The AAL5 Common Part contains CPCS and SAR.

3GPP TSG-RAN WG3 Meeting #17 ***R3-003259***
Chicago, U.S.A., 20.-24. November, 2000

CR-Form-v3

CHANGE REQUEST

⌘ **25.434** **CR** **005** ⌘ rev **1** ⌘ Current version: **3.3.0** ⌘

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network [X] Core Network ☐

Title:	⌘	Application of AAL2 Link Characteristics on Iub CCHs
Source:	⌘	R-WG3
Work item code:	⌘	***Date:*** ⌘ 22.11.2000
Category:	⌘	**F** ***Release:*** ⌘ R99

Use one of the following categories:
F *(essential 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:
2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
REL-4 (Release 4)
REL-5 (Release 5)

Reason for change:	⌘	Currently the application of AAL2 Link Characteristics (ALC) is ambiguous as nothing has been said of it. In the given reference Q.2630 the use of ALC is optional, but meant to be used in the switched case of AAL2. From the multivendor operability viewpoint it is required to be specified whether ALC is available or not in the UTRAN interfaces.
Summary of change:	⌘	The ALC is a mandatory parameter in ALCAP when there is AAL2 switching in the Transport Network Layer of the interface.
Consequences if not approved:	⌘	The TS is ambiguous and the multivendor operability is endangered.

Clauses affected:	⌘	6.2		
Other specs affected:	⌘	[X] Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	TS25.426 (CR009), TS25.424 (CR006)
Other comments:	⌘	The resulting revised CR of the contribution R3-003129		

6 I_{ub} Transport Signalling for Common Transport Channel Data Streams

6.1 Introduction

This chapter specifies the transport signalling protocol(s) used to establish the user plane transport bearers. The protocol stack is shown in chapter 6 (Figure 2).

6.2 Transport Signalling

Q.2630.1 as development by ITU [3] is selected as the standard AAL2 signalling protocol for Iub.

If there is an AAL2 switching function in the transport network layer of the interface, the AAL2 Link Characteristics parameter (ALC) in the Establish Request message of AAL2 signalling protocol shall be used.