3GPP TSG-RAN meeting #5
Kyongju, Korea, 6-8 October 1999

RP-99518

Title: Approved Change Requests on TS 25.424
Agenda item: 6.4.3

TDOC	STATUS	SPEC	CR	REV	SUBJECT	CAT	CURRENT	NEW
R3-99a33	approved	25.424	001		Mapping of binding id	D	3.0.0	3.1.0
R3-99d07	approved	25.424	002		ATM switching layer	B	3.0.0	3.1.0

3GPP TSG-RAN-WG3 meeting #6 *Document* ***R3-99A33***
Sophia Anitpolis, France, August 23-27, 1999 *Agenda Item : 22*

3G CHANGE REQUEST

25.424 **CR** **001** Current Version: 3.0.1

3G specification number ↑ *↑ CR number as allocated by 3G support team*

For submission to TSG *list TSG meeting no. here ↑* for approval [X] for information [ ] *(only one box should be marked with an X)*

Form: 3G CR cover sheet, version 1.0 *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf*

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

Source: Mitsubishi **Date:** Aug 23-27, 1999

Subject: Mapping of binding id

3G Work item:

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

F	Correction	
A	Corresponds to a correction in a 2G specification	
B	Addition of feature	
C	Functional modification of feature	
D	Editorial modification	X

Reason for change: Precise how to map binding Identifier within the current transport network (when using AAL2)

Clauses affected:

Other specs affected:

Other 3G core specifications	[X]	→ List of CRs:	25.414, 25.434, 25.426
Other 2G 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:

7 I_{ur} Transport Signalling for Common Transport Channel Data Streams

7.1 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).

7.2 Transport Signalling

AAL2 signalling protocol Capability Set 1 Q.2630.1 [4] is the signalling protocol to control the AAL2 connections on Iur interfaces. AAL2 transport layer addressing is based on embedded E.164 or AESA variants of the NSAP addressing format [5]. Native E.164 addressing shall not be used.
Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [4]

3GPP TSG-RAN-WG3 meeting #7

Sophia Antipolis, France, September 20-24, 1999

Document R399D07

3G CHANGE REQUEST

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

25.424 **CR** **002** Current Version: 3.0.0

3G specification number ↑ *↑ CR number as allocated by 3G support team*

For submision to TSG *list TSG meeting no. here ↑*

for approval [X]
for information [ ]

(only one box should be marked with an X)

Form: 3G CR cover sheet, version 1.0 *The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf*

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

Source: Motorola **Date:** Sept 20-24, 1999

Subject: ATM switching layer

3G Work item:

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

F	Correction	
A	Corresponds to a correction in a 2G specification	
B	Addition of feature	X
C	Functional modification of feature	
D	Editorial modification	

Reason for change: For multivendor operability it is required to specify the mechanism by which redundancy of pathways between SRNC and DRNC will be accomplished when redundancy is supported.

Clauses affected:

Other specs affected:

Other 3G core specifications	[ ]	→ List of CRs:
Other 2G 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.

1 References

References may be made to:

a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply;

b) all versions up to and including the identified version (identified by "up to and including" before the version identity);

c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or

d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] ITU-T Recommendation I.361 B-ISDN ATM Layer Specification (11/95)

[2] ITU-T Recommendation I.363.2 B-ISDN ATM Adaptation Layer type 2 (9/97)

[3] ITU-T Recommendation I.366.1 Segmentation and Re-assembly Service Specific Convergence Sublayer for the AAL type 2 (6/98)

[4] Draft new ITU-T Recommendation Q.2630.1 AAL Type 2 signalling protocol (Capability Set 1)

[5] ITU-T Recommendation E.191 B-ISDN numbering and addressing (10/96)

[6] 3GPP TS 25.426 UTRAN I_{ur} and I_{ub} Interface Data Transport & Transport Signalling for DCH Data Streams V2.0.0

[7] ITU-T Rec. **I.630** (2/99) ATM Protection Switching

2 Definitions, symbols and abbreviations

2.1 Definitions

Common Transport Channels are defined as transport channels that are shared by several users i.e. RACH, FACH and DSCH.

1.22.2 Symbols

2.3 Abbreviations

AAL2	ATM Adaptation Layer type 2
AESA	ATM End System Address
ALCAP	Access Link Control Application Part
ATM	Asynchronous Transfer Mode
CPS	Common Part Sublayer
DSCH	Downlink Shared Channel
FACH	Forward Access Channel
MTP	Message Transfer Part
NNI	Network-Node Interface
NSAP	Network Service Access Point
RACH	Random Access Channel
SAAL	Signalling ATM Adaptation Layer
SSCOP	Service Specific Connection Oriented Protocol
SSCF	Service Specific Co-ordination Function
SSCS	Service Specific Convergence Sublayer
SSSAR	Service Specific Segmentation and Re-assembly sublayer
STC	Signalling Transport Converter
UNI	User-Network Interface

4 ATM Layer

4.1 General

ATM shall be used in the transport network user plane and the transport network control plane according to I.361[1].

4.2 Protection Switching at ATM Layer

If redundancy of pathways at ATM layer between RNCs is supported, it shall be implemented using ATM Protection Switching according to I.630 [7].

3 I_{ur} Data Transport for Common Transport Channel Data Streams

~~1.1~~3.1 Introduction

This chapter specifies the transport layers that support Common Channels (FACH, RACH, DSCH) Iur data streams.

~~1.2~~3.2 Transport Layer

ATM [1], AAL type 2 (I363.2 [2] and I366.1 [3]) is used as the standard transport layer for RACH, FACH and DSCH Iur data streams.

These AAL2 connections are established via the transport signalling protocol described in chapter 5.