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Technical Specification

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Foreword

This Technical Specification (TS) has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of this TS are subject to continuing work within 3GPP TSG RAN and may change following formal TSG RAN approval. Should the TSG modify the contents of this TS, it will be re-released with an identifying change of release date and an increase in version number as follows:

Version m.t.e

where:

m indicates [major version number]

x the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

y the third digit is incremented when editorial only changes have been incorporated into the specification.

Introduction

This clause is optional. If it exists, it is always the third unnumbered clause.

No text block identified.

1 Scope

This document shall provide a description of the UTRAN RNC-Node B (Iub) interface Data Transport and Transport Signalling for CCH data streams as agreed within the TSG-RAN working group 3.

2 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] Merged version of ZZ.01; UTRAN Architecture Description.

Editor's Note : [1] is a temporary reference only to ease the definition of what should be in the different sections of this document.

3 Definitions, symbols and abbreviations

3.1 Definitions

. *[Editor´s note: For list of definitions, see [1]. Only definitions specific to this document are listed below, in order to avoid inconsistency between documents. When list is stable, definitions relevant for this document should be extracted.]*

3.2 Symbols

3.3 Abbreviations

[Editor´s note: For list of abbreviations, see [1]. Only abbreviations specific to this document are listed below, in order to avoid inconsistency between documents. When list is stable, abbreviations relevant for this document should be extracted.]

4 I_{ub} Data Transport for CCH Data Streams

[Editor's Note: This chapter specifies the transport layers that support Common Channels (FACH, RACH, DSCH) data streams. Limitations in usage of options of the protocol should be described.]

4.1 Introduction

4.2 Transport Layer

ATM and AAL2 type 2 (I363.2 and I366.1) is used at the standard transport layer for Iub RACH and FACH data streams.

Note: This assumes that MAC scheduling is in the RNC. This decision is to be confirmed when protocol termination points are decided.

5 I_{ub} Transport Signalling for CCH Data Streams

[Editor's Note: This chapter specifies the transport signalling protocol(s) used to establish the user plane transport bearers. Limitations in usage of options of the protocol should be described]

5.1 Introduction

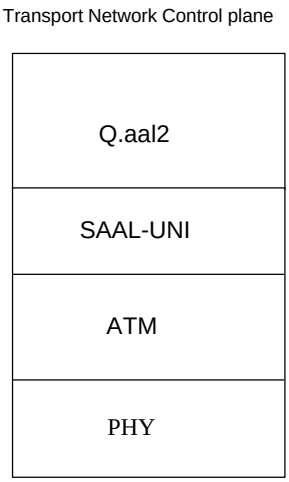

Figure 2: Transport Network Control plane protocol structure on Iub.

5.2 Transport Signalling

Working assumption: Q.aal2 under development by ITU SG11 [9] is selected as that standard AAL2 signalling protocol for Iub.

6 Signalling Bearer for Transport Signalling on I_{ub} Interface

[Editor's Note: This chapter specifies the signalling bearer protocol stack that supports the transport signalling protocol(s). Limitations in usage of options of the protocol should be described]

6.1 Introduction

6.2 Signalling Bearer

Working assumption: SAAL-UNI is the standard signalling bearer for the AAL Type Signalling protocol (Q.aal2) on Iub.

Note: A signalling bearer converter needs to be added to the protocol stack; Q.aal2 does not include this. The converter relevant for Iub is Q.21MT (needs to be checked).

7 Bibliography

8 History

Document history		
0.0.1	February 1999	Document structure proposal.
0.0.2	February 1999	Proposed incorporation of contents from ‘Merged Description of
0.0.3	March 1999	Removal of previous chapter 7 on O&M. Editorials on front page (e.g. title).
0.1.0	April 1999	Only raised to v 0.1.0 for the April-99 release.
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