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Technical Specification

**3rd Generation Partnership Project (3GPP);
Technical Specification Group (TSG) RAN;**

**I_{ub} Interface Data Transport & Transport
Signalling for CCH Data Streams
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Foreword

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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

Transport Network Control plane

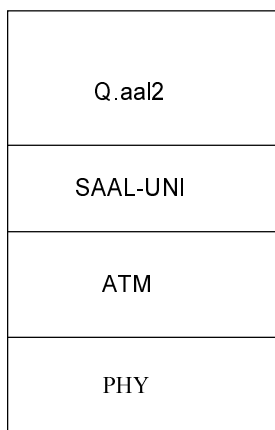


Figure 2: Transport Network Control plane protocol structure on Iub.

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 I_{ub}.

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

7 O&M Data Transport on I_{ub} Interface

[Editor's Note: This chapter addresses the transport of O&M.]

7.1 Introduction

7.2 O&M data transport layer

7.3 O&M data transport signalling

8 Bibliography

9 History

Document history		
0.0.1	February 1999	Document structure proposal.
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