Technical Specification Group, Radio Access Network *TSGR#3(99)187*
Meeting #3, Yokohama, 21-23 April 1999

Source:	**Editor**
Title:	**S3.10 UTRAN Iu Interface: General Aspects and Principles v.0.1.0**
Document for:	**Approval**
Agenda Item:	

TS S3.10 V0.1.0 (1999-04)

Technical Specification

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

UTRAN I_u Interface: General Aspects and Principles

UMTS <spec>

3GPP

Reference
<Workitem> (<Shortfilename>.PDF)

Keywords
<keyword[, keyword]>

3GPP

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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 and may change following formal TSG 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

The present document …

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, 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] S3.01, UTRAN Overall Description

[2] UMTS 23.30, Iu Principles

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the [following] terms and definitions [given in ... and the following] apply.

3.2 Symbols

For the purposes of the present document, the following symbols apply:

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

4 General Aspects

Editor's Note – Discussion is required about what information should be transferred from the UTRAN Architecture description to this document. Also, from other relevant documents (e.g. UMTS 23.30 Iu Principles).

4.1 UTRAN Architecture

Editor's Note – this chapter should describe enough of the system architecture for the role of the interface to be understood.

See [1], chapter 8.1.

4.2 I_u Interface General Principles

4.3 I_u Interface Specification Objectives

4.4 I_u Interface Capabilities

[Editor´s note: This chapter should shortly describe the I_u –Interface Capabilities. In order to avoid inconsistency between documents, reference to [2], chapters 4 and 5, has been made]

See [2], chapters 4 and 5.

4.5 I_u Interface Characteristics

See [2], chapters 4 and 5.

5 Functions of the I_u Interface Protocols

Editor's Note – this section will either contain a functional division across the interface, and/or a reference to the appropriate bit of the UTRAN Architecture Specification

Congestion control shall be performed over the Iu user plane toward the IP domain using buffer management and no flow control.

6 I_u Interface Protocol Structure

Editor's Note – The protocol structure figures have not been altered yet, as this will be included in a combined editorial review of S3.10, S3.20, S3.30 and S3.01.

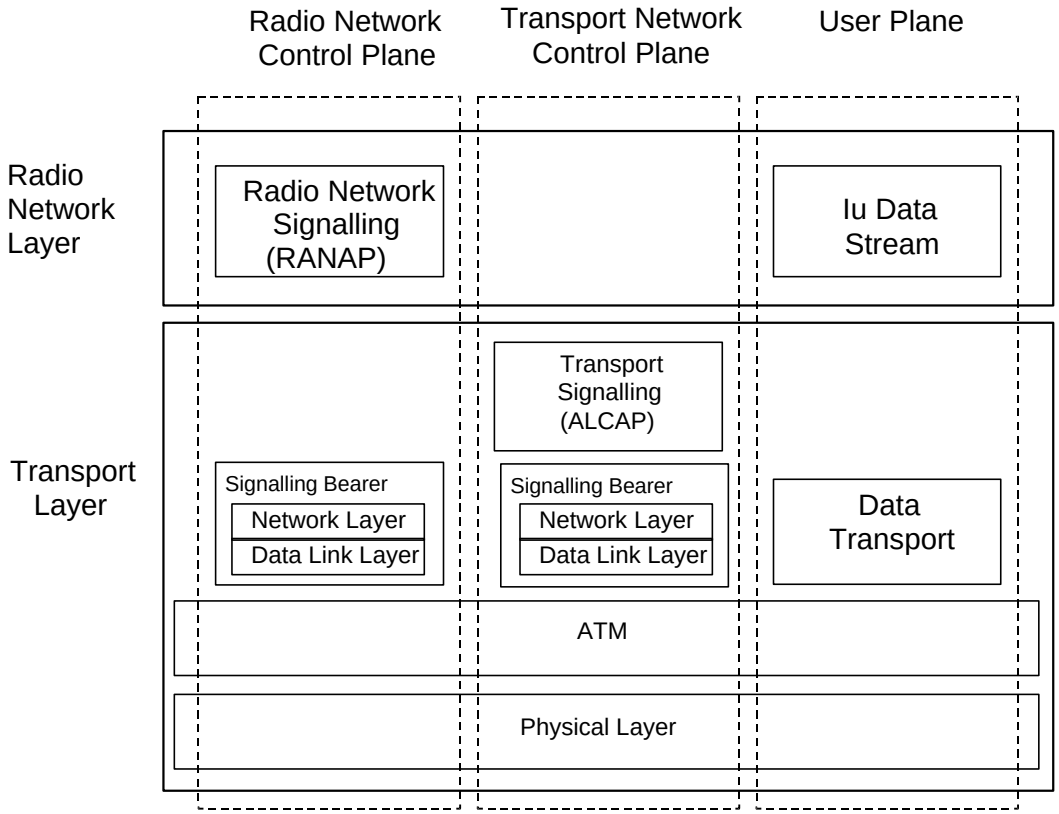
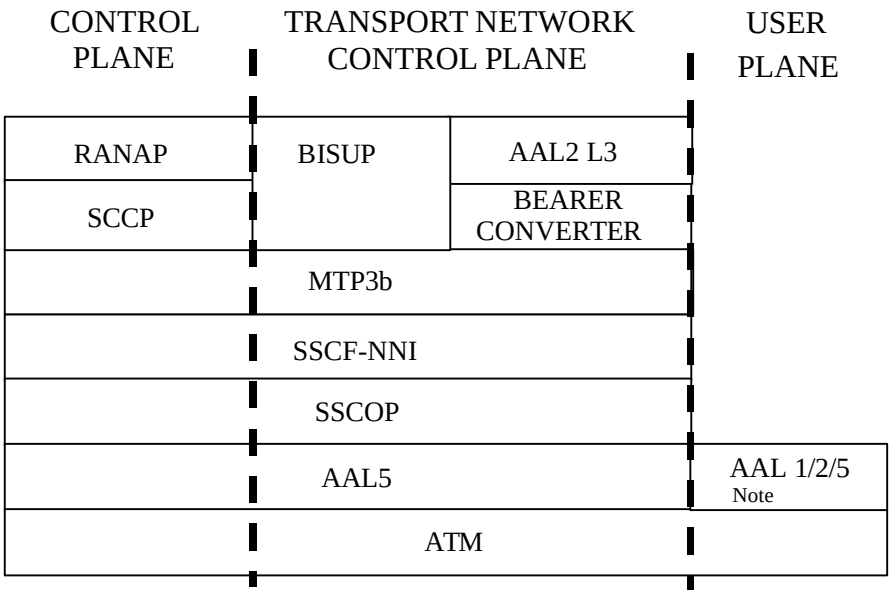


Figure 1. I_u –Interface Protocol Structure

[Editor's note: Figure 1 is different in TTC/ARIB document (see below). TTC/ARIB has decided to use SS7 as a signalling bearer. ***Study item 1: The use of SS7 as a signalling bearer.]***



Note : AAL 1 is FFS

Figure 1. Iu -Interface Protocol Structure

7 Other I_u Interface Specifications

8 Bibliography

The following material, though not specifically referenced in the body of the present document (or not publicly available), gives supporting information.

9 History

Document history		
v 0.0.1	1999-02	Initial Specification Structure
V0.0.2	1999-02	Text from merged document included.
V0.0.3	1999-03	Updated with decision from WG3 #2 (inclusion of IP domain congestion control)
V0.1.0	1999-04	Approved by WG3

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