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

I_{ur} Interface: General Aspects and Principles

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Contents

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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…

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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.

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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:

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4 General Aspects

4.1 UTRAN Architecture

[Editor´s note: This chapter should describe the UTRAN architecture from I_{ur} point of view. The RNS roles SRNS and DRNS are described to facilitate the description of functional split in chapter ~~7~~5.
In order to avoid inconsistency between documents, ~~reference to [1], chapter 8.1, has been made. When finally approved, applicable parts should be included below.]~~ appropriate references should be included.]
~~See [1], chapter 8.1.~~

4.2 I_{ur} Interface General Principles

[Editor's note: This chapter should shortly describe Iur-Interface General Principles]

4.3 I_{ur} Interface Specification Objectives

[Editor´s note: The text below is the editor's proposal.]
The I_{ur} interface specifications shall facilitate the following:
- Inter-connection of RNSs from different manufacturers;
- Support of continuation between RNSs of the UTRAN services offered via the Iu interface.
- Separation of I_{ur} interface Radio Network functionality and Transport Network functionality to facilitate introduction of future technology.

4.4 I_{ur} Interface Capabilities

[Editor´s note: ~~The structure of the chapter has been slightly changed to conform with the structure of the corresponding chapter in the Iub Interface Description [4].~~ 'Radio application related signalling' has been added to the list below as an own category of information transferred over the Iur interface. The structural change is an editor's proposal.]
The information transferred over the Iur reference point can be categorised as follows:

1. Radio application related signalling

The I$_{ur}$ interface provides capability to support radio interface mobility between RNSs, of UEs having a connection with UTRAN. This capability includes the support of handover and radio resource handling between RNSs.

2. Iub/Iur DCH data streams

For a description of the Iub/Iur DCH data stream see the Description of Iub Interface [4].

3. Iur RACH data streams

The contents of the RACH data streams is FFS.

4. Iur FACH data streams

The contents of the FACH data streams is FFS.

5. Iur DSCH data streams

The contents of the DSCH data streams is FFS.

The FAUSCH is FFS.

4.5 I$_{ur}$ Interface Characteristics

[Editor´s note: This chapter should shortly describe the I$_{ur}$ -Interface Characteristics.]

5 Functions of the I$_{ur}$ Interface Protocols

[Editor´s note: This chapter should describe the functions of the Iur interface ~~protocols~~. For information about the Iur interface functional division, see [appropriate specification].]

The list of functions on the Iur interface is the following:

1. Transport Network Management
2. Traffic management of Common Channels
   - URA Paging
3. Traffic Management of Dedicated Channels
   - Radio Link Setup/-Addition/-Deletion
   - Measurement Reporting
   - Dedicated Transport Channel Management
4. Traffic Management of Downlink Shared Channels

~~For information about the I$_{ur}$ Interface functional division, see [1].~~

6 I$_{ur}$ Interface Protocol Structure

[Editor´s note: This chapter should provide an introduction to the structure of the Iur interface protocols.]
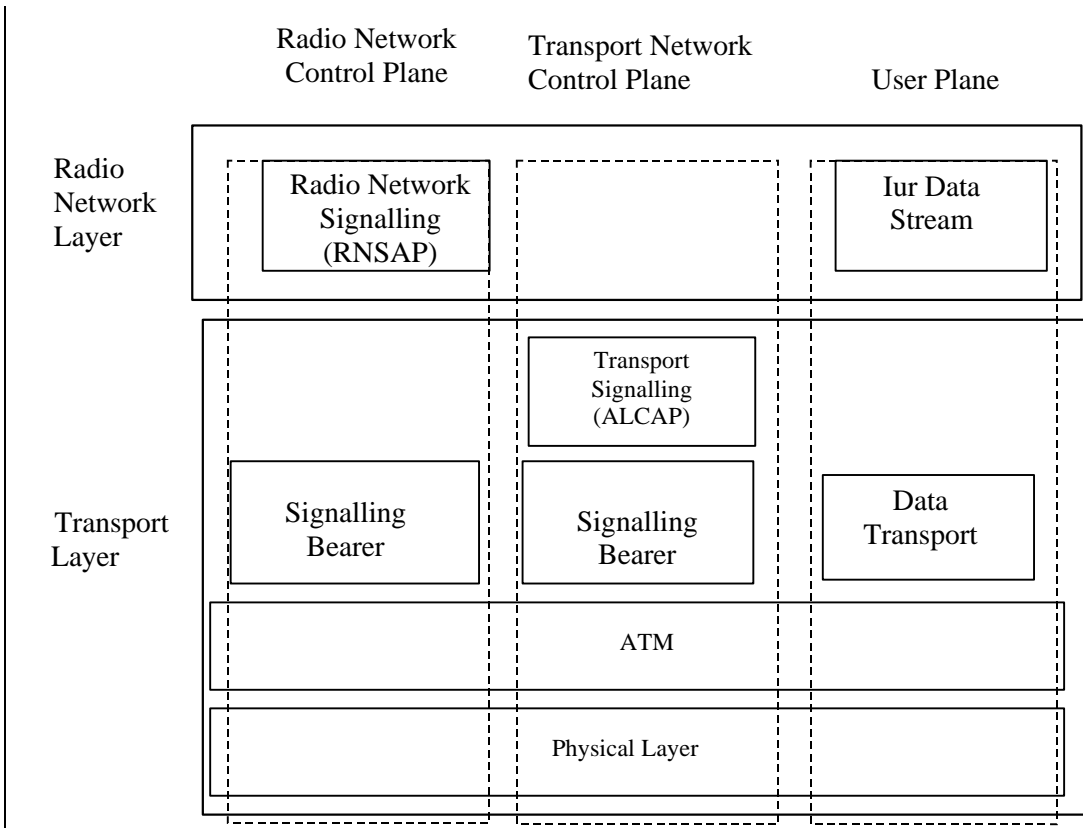
Figure 8 16-1. I$_{ur}$ -Interface Protocol Structure

[Editor´s note: Study item Iu/1 from TTC/ARIB-ETSI merging: Use of SS7 as signalling bearer for Iu & Iur.]

[Note *1]: It is FFS which signaling protocol sets up AAL5 connection.
[Note *2]: It is FFS whether AAL5 is applied to User-plane.

Figure 8 26-2: Iur Interface protocol Structure (TTC version)

7 Other I~ur~ 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			
V0.0.1	1999-02	Initial Specification Structure	
V0.0.2	1999-02	Inclusion of complete text from sections 6, 7 and 8 of the baseline specification entitled "Merged Description of Iur Interface, Version 0.0.2"	
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