

**Agenda Item:** 6.1

**Source:** Editor (Nortel Networks)

**Title:** S3.35 Iub Interface User Plane Protocols for CCH Data Streams

**Document for:**

---



# TS S3.35 V0.0.2 (1999-02)

---

*Technical Specification*

## 3GPP

**3<sup>rd</sup> Generation Partnership Project (3GPP);  
Technical Specification Group (TSG) RAN;  
I<sub>ub</sub> Interface User Plane Protocols for CCH Data Streams  
[UMTS <spec>]**

Reference

---

<Workitem> (<Shortfilename>.PDF)

Keywords

---

<keyword[, keyword]>

**3GPP**

Postal address

---

Office address

---

Internet

---

secretariat@3gpp.org  
Individual copies of this deliverable  
can be downloaded from  
<http://www.3gpp.org>

---

**Copyright Notification**

---

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

©  
All rights reserved.

---

# Contents

|       |   |   |
|-------|---|---|
| 1     | Scope .....   | 6 |
| 2     | References .....  | 6 |
| 3     | Definitions, symbols and abbreviations .....                            | 7 |
| 3.1   | Definitions.....  | 7 |
| 3.2   | Symbols.....  | 7 |
| 3.3   | Abbreviations .....   | 7 |
| 4     | General aspects .....   | 7 |
| 4.1   | RACH/FACH Data Streams User Plane Protocol Services .....               | 7 |
| 4.2   | Downlink Shared Channels Data Streams User Plane Protocol Services..... | 7 |
| 4.3   | Services expected from data transport .....                             | 7 |
| 5     | Frame Structure and Coding.....   | 7 |
| 5.1   | RACH/FACH Channels .....  | 7 |
| 5.1.1 | Data frame structure .....  | 7 |
| 5.1.2 | Control frame structure.....  | 7 |
| 5.1.3 | Coding .....  | 7 |
| 5.2   | Downlink Shared Channels .....  | 8 |
| 5.2.1 | Data frame structure .....  | 8 |
| 5.2.2 | Control frame structure.....  | 8 |
| 5.2.3 | Coding .....  | 8 |
| 6     | Data Streams User Plane Procedures .....                                | 8 |
| 6.1   | RACH/FACH Channels .....  | 8 |
| 6.1.1 | Data Transfer.....  | 8 |
| 6.1.2 | Flow Control .....  | 8 |
| 6.1.3 | .....   | 8 |
| 6.2   | Downlink Shared Channels .....  | 8 |
| 6.2.1 | Data Transfer.....  | 8 |
| 6.2.2 | Flow Control .....  | 8 |
| 6.2.3 | .....   | 8 |
| 7     | Bibliography .....  | 8 |
| 8     | History .....   | 8 |

---

# Intellectual Property Rights

*[IPRs essential or potentially essential to the present deliverable may have been declared to ETSI/3GPP. The information pertaining to these essential IPRs, if any, is publicly available for ETSI members and non-members, free of charge. This can be found in the latest version of the ETSI Technical Report: ETR 314: "Intellectual Property Rights (IPRs); Essential or potentially Essential, IPRs notified to ETSI in respect of ETSI standards". The most recent update of ETR 314, is available on the ETSI web server or on request from the Secretariat.*

*Pursuant to the ETSI Interim IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in the ETR 314, which are, or may be, or may become, essential to the present document.]*

*Note: The content has to be reviewed according to the 3GPP IPR rules*

---

## Foreword

This Technical Specification (TS) has been produced by the 3<sup>rd</sup> 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 user plane protocols for CCH data streams as agreed within the TSG-RAN working group 3.

*Note : by CCH one must also understand DSCH.*

### 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] [1] Merged version of Iub interface Description

[2]

*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 General aspects

### 4.1 ~~RACH/FACH Common Channels Data Streams User Plane Protocol Services~~

*[Editor's Note: This chapter describes the services that the User Plane Protocols provide such as data transfer, flow control, etc.]*

### 4.2 Downlink Shared Channels Data Streams User Plane Protocol Services

*[Editor's Note: This chapter describes the services that the User Plane Protocols provide such as data transfer, flow control, etc.]*

### 4.3 Services expected from data transport

## 5 Frame Structure and Coding

### 5.1 ~~RACH/FACH Common Channels~~

#### 5.1.1 Data frame structure

#### 5.1.2 Control frame structure

#### 5.1.3 Coding

## 5.2 Downlink Shared Channels

### 5.2.1 Data frame structure

### 5.2.2 Control frame structure

### 5.2.3 Coding

## 6 Data Streams User Plane Procedures

### 6.1 ~~RACH/FACH Common Channels~~

[Editor's Note: This chapter specifies the user plane procedures for ~~CCH~~RACH/FACH data streams. Typical related scenarios at Iub interface should be described.]

#### 6.1.1 Data Transfer

#### 6.1.2 Flow Control

#### 6.1.3 ...

### 6.2 Downlink Shared Channels

[Editor's Note: This chapter specifies the user plane procedures for DSCH data streams. Typical related scenarios at Iub interface should be described.]

#### 6.2.1 Data Transfer

#### 6.2.2 Flow Control

#### 6.2.3 ...

## 7 Bibliography

## 8 History

| Document history              |                      |  |
|-------------------------------|----------------------|--|
| Edition x                     | <MMMM yyyy>          | Publication as <old doctype> <old docnumber>   |
| 0.0.1                         | February 1999        | Proposal for document structure.   |
| <u>0.0.2</u>                  | <u>February 1999</u> | <u>Renaming of section 4.1, 5.1 and 6.1 to RACH/FACH instead of common channels.</u> |
| Editor for 3GPP RAN S3.25 is: |                      |  |



Jean-Marie Calmel  
Nortel Networks

Tel.: +33 1 39 44 52 82

Fax : +33 1 39 44 50 54

Email : **Error! Bookmark not defined.**

This document is written in Microsoft Word version 7/97.