

**Source:** RAN WG3 Chairman  
**Title:** Status Report RAN WG3  
**Document for:** Information  
**Agenda Item:** 5.4

## 1. GENERAL

RAN WG3 had its third meeting the 26-30 April in Kawasaki, Japan, and its fourth meeting the 1-4 June in Warwick, UK. The progress has been good and is increasing. The organisation with two SWGs is efficient. However, there is still very much work to do to have stable and good quality specifications by the end of this year. Functions and features not necessary for the basic operation of UMTS should be considered to not be included in Release 99.

## 2. LIST OF WG3 DOCUMENTS

RAN WG3 has created a new specification: 25.442 UTRAN Implementation specific O&M transport. The list of document is shown below.

| <b>Iu</b>  | <b>Iur</b>   | <b>Iub</b>   |
|--|--|--|
| 25.410<br>UTRAN Iu Interface: General Aspects and Principles         | 25.420<br>UTRAN Iur Interface: General Aspects and Principles                                      | 25.430<br>UTRAN Iub Interface: General Aspects and Principles                              |
| 25.411<br>UTRAN Iu interface Layer 1                                 | 25.421<br>UTRAN Iur interface Layer 1  | 25.431<br>UTRAN Iub interface Layer 1  |
| 25.412<br>UTRAN Iu interface signalling transport                    | 25.422<br>UTRAN Iur interface signalling transport   | 25.432<br>UTRAN Iub interface signalling transport   |
| 25.413<br>UTRAN Iu interface RANAP signalling                        | 25.423<br>UTRAN Iur interface RNSAP signalling   | 25.433<br>UTRAN Iub interface NBAP signalling  |
| 25.414<br>UTRAN Iu interface data transport and transport signalling | 25.424<br>UTRAN Iur interface data transport and transport signalling for CCH data streams         | 25.434<br>UTRAN Iub interface data transport and transport signalling for CCH data streams |
| 25.415<br>UTRAN Iu interface CN-RAN user plane protocols             | 25.425<br>UTRAN Iur interface user plane protocols for CCH data streams                            | 25.435<br>UTRAN Iub interface user plane protocols for CCH data streams                    |
| -  | 25.426<br>UTRAN Iur and Iub interface data transport and transport signalling for DCH data streams |  |
| -  | 25.427<br>UTRAN Iur and Iub interface user plane protocol for DCH data streams                     |  |
| 25.442<br>UTRAN Implementations specific O&M transport               |  |  |

| Iu   | Iur | Iub |
|--|-----|-----|
| 25.401   |     |     |
| UTRAN Overall Description                          |     |     |
| 25.931   |     |     |
| UTRAN functions: Examples on signalling procedures |     |     |
| 25.832   |     |     |
| Manifestations of handover and SRNS relocation     |     |     |
| 30.531   |     |     |
| WG3 Workplan and study items                       |     |     |
| 25.831   |     |     |
| WG3 Study Items for Future Releases                |     |     |
| I3.05  |     |     |
| Node B O&M Functional Descriptions                 |     |     |

### 3. ORGANISATION AND WORKPLAN

The following representatives have been appointed for WG3:

- WG3 chairman: Per Willars, Ericsson
- WG3 vice chairman: Jean-Marie Calmel, Nortel
- WG3 secretary: Richard Townend, BT (until september 1999)

WG3 has two subworking groups (SWGs):

- Iu SWG (Chairman: Atte Lämsä, Nokia)
- Iur/Iub SWG (Chairman: Per Willars, Ericsson)

The SWGs meet in parallel between opening and closing WG3 plenaries during a WG3 meeting.

In addition, WG3 has had and is planning O&M Ad Hoc group meetings (chaired by Andrew DeLaTorre, Vodafone).

The following meeting dates are planned:

| Meeting        | Dates                     | Venue, host            |
|----------------|---------------------------|------------------------|
| WG3 O&M ad hoc | 29-30 June                |                        |
| WG3#5          | 5 – 9 July                | Helsinki, Nokia        |
| WG3#6          | 23 – 27 August            | Sophia Antipolis, ETSI |
| WG3#7          | Tentative 20-24 September | Open                   |
| WG3#8          | Tentative 25-29 October   | Abiko, Japan, NEC      |
| WG3#9          | Tentative 6-10 December   | Open                   |
|                |                           |                        |
|                |                           |                        |

### 4. MERGING OF ARIB/TTC AND ETSI DOCUMENTS

Most study items from the merging process have been resolved but some remain open and are being discussed on the mail reflector. The following table shows the list of study items and the current status.

| #     | Title   | Status   |
|-------|---|--|
| ARC/1 | CCH & DSCH in Iur Interface   | Open for further study of solutions for CCH on Iur, and optionality of Iur interface |
| Iu/1  | Use of SS7 as a signalling bearer for Iu & Iur  | Open for Iur.  |
| Iu/7  | Usage of abstract syntax (ASN.1 with CSN.1 as encoding rules, as recommended by SMG2) versus explicitly coding the transfer syntax (bit matrix, as proposed by TTC/ARIB). | Will use ASN.1. Coding is FFS.   |

### 5. DOCUMENTS

#### 5.1 Radio network layer specifications

##### 25.401 UTRAN Overall Description

Editor: Jean-Marie Calmel, Nortel

Some basic issues remain to be fully solved (e.g. synchronisation, optionality on Iur interface, delay requirements).

#### **25.410 UTRAN Iu Interface: General Aspects and Principles**

Editor: Richard Townend, BT

Some work remaining.

#### **25.420 UTRAN Iur Interface: General Aspects and Principles**

Editor: Kevin Hegerty, Lucent

Some work remaining.

#### **25.430 UTRAN Iub Interface: General Aspects and Principles**

Editor: Mick Wilson, Fujitsu

Some work remaining.

#### **25.413 UTRAN Iu interface RANAP signalling**

Editor: Jyrki Jussila, Nokia

Progressed.

#### **25.423 UTRAN Iur interface RNSAP signalling**

Editor: Göran Rune, Ericsson

Progressed. Specifically, the issue of inter-RNC cell/URA update solved.

Agreed that the current set of procedures is the complete set of RNSAP procedures, except for possibly needed additional procedures for common channels handling on Iur..

#### **25.433 UTRAN Iub interface NBAP signalling**

Editor: Nobutaka Ishikawa, NTT Docomo

Progressed, especially in the area of logical O&M.

Agreed that the current set of is complete with the following exceptions:

- Radio link failure from Node B is needed.
- A couple of procedures for Logical O&M are probably missing.
- Possibly need special procedure for physical channel reconfiguration

#### **25.415 UTRAN Iu interface user plane protocols**

Editor: Alain Maupin, Ericsson

Progressed.

#### **25.425 UTRAN Iur interface user plane protocols for CCH data streams**

Editor: Nicolas Drevon, Alcatel

Very little contents and progress.

#### **25.435 UTRAN Iub interface user plane protocols for CCH data streams**

Editor: Jean-Marie Calmel, Nortel

Very little contents and progress.

#### **25.427 UTRAN Iur and Iub interface user plane protocols for DCH data streams**

Editor: Fabio Longoni, Nokia

Progressed.

## **5.2 Transport layer specifications**

#### **25.411 UTRAN Iu interface Layer 1**

Editor: Achim von Brandt, Siemens

V2.0.0 sent to TSG RAN for approval. v2.0.1 presented with minor change to TSG RAN.

#### **25.421 UTRAN Iur interface Layer 1**

Editor: Achim von Brandt, Siemens

Sent to TSG RAN for approval.

#### **25.431 UTRAN Iub interface Layer 1**

Editor: Achim von Brandt, Siemens

Sent to TSG RAN for approval.

**25.412 UTRAN Iu interface signalling transport**

Editor: Kiran Thakare, Telecom Modus

Sent to TSG RAN for approval.

**25.422 UTRAN Iur interface signalling transport**

Editor: Kiran Thakare, Telecom Modus

V2.0.0 sent to TSG RAN for approval.v2.0.1 with minor editorial update presented to TSG RAN.

Three alternatives are described. Which one to keep is to be decided at RAN#4.

**25.432 UTRAN Iub interface signalling transport**

Editor: Mick Wilson, Fujitsu

Sent to TSG RAN for approval. Contains one “working assumption”.

**25.414 UTRAN Iu interface data transport & transport signalling**

Editor: David Comstock, Ericsson

Sent to TSG RAN for approval.

**25.424 UTRAN Iur interface data transport & transport signalling for CCH data streams**

Editor: Nicolas Drevon, Alcatel

Sent to TSG RAN for approval.

**25.434 UTRAN Iub interface data transport & transport signalling for CCH data streams**

Editor: Magnus Aldén, telia

Sent to TSG RAN for approval.

**25.426 UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams**

Editor: Sammi Kekki, Nokia

Sent to TSG RAN for approval.

**25.442 UTRAN Implementations specific O&M transport**

Editor: Stephan Recker, Mannesman

First version exists.

## **5.3 Technical reports**

**25.931 UTRAN Functions, examples on signalling procedures**

Editor: Enrico Scarrone, CSELT

Probably includes a number of inconsistencies. Note that this document shows only examples.

Only some functions remain to be solved on a principle level (e.g. SRNS relocation, RRC connection reestablishment).

**25.831 TSG RAN WG3 Study Items for Future Release**

Editor: Nicolas Drevon, Alcatel

First version exists.

**25.832 Manifestations of handover and SRNS relocation**

Editor: Richard Townend, BT

Stable. Being out for comments from SA WG2 and others.

**13.05 NodeB O&M Functional Descriptions**

Editor: Andrew DeLaTorre, Vodafone

First version agreed. WG3-internal document only (as a basis to define parts of NBAP protocol on Iub).

## **5.4 Administrative documents**

**30.531 TSG RAN WG3 Work Plan and Study Items**

Editor: Björn Ehrstedt, Ericsson

## **6. RELATION TO OTHER GROUPS**

**RAN WG2:** Exchanged a number of LSs on e.g. DSCH solutions, hybrid ARQ, inter-RNC cell/URA update etc.

**SA WG2:** Exchanged a number of LSs on e.g. QoS issues, SRNS relocation, node identifiers, paging, cell broadcast center, radio access bearer subflows etc.

**CN WG2:** Will cooperate regarding GTP-U protocol.

**T2:** Received LSs on terminal capabilities. No response needed from RAN WG3.