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1. GENERAL

RAN WG3 had its second meeting the 15-19 March. During this week 1,5 days were spent on a joint meeting with SA WG2. The progress was good although there are very many open issues still to be solved.

2. LIST OF WG3 DOCUMENTS

At WG3#2 the proposed change of specification structure regarding Iur and Iub userplanes was discussed but not agreed. Thus, . WG3 is working on 21 specifications (S3.xx) and 5 internal documents (I3.xx), as shown below. The two new internal documents are I3.04 "Study items for future releases" and I3.05 "Node B O&M Functional Descriptions". The latter is intended to be a background document for writing the NBAP specification (S3.33).

After meeting #2 a renumbering of the documents has been discussed with the 3GPP secretariat, and below both the old and the proposed new numbers are shown

The titles of the documents have been modified to include the word "UTRAN".

There are editors for all documents except the Layer 1 specifications and the document I3.04 on future releases.

Iu	Iur	Iub
S3.10 = 25.410 UTRAN Iu Interface: General Aspects and Principles	S3.20 = 25.420 UTRAN Iur Interface: General Aspects and Principles	S3.30 = 25.430 UTRAN Iub Interface: General Aspects and Principles
S3.11 = 25.411 UTRAN Iu interface Layer 1	S3.21 = 25.421 UTRAN Iur interface Layer 1	S3.31 = 25.431 UTRAN Iub interface Layer 1
S3.12 = 25.412 UTRAN Iu interface signalling transport	S3.22 = 25.422 UTRAN Iur interface signalling transport	S3.32 = 25.432 UTRAN Iub interface signalling transport
S3.13 = 25.413 UTRAN Iu interface RANAP signalling	S3.23 = 25.423 UTRAN Iur interface RNSAP signalling	S3.33 = 25.433 UTRAN Iub interface NBAP signalling
S3.14 = 25.414 UTRAN Iu interface data transport and transport signalling	S3.24 = 25.424 UTRAN Iur interface data transport and transport signalling for CCH data streams	S3.34 = 25.434 UTRAN Iub interface data transport and transport signalling for CCH data streams
S3.15 = 25.415 UTRAN Iu interface CN-RAN user plane protocols	S3.25 = 25.425 UTRAN Iur interface user plane protocols for CCH data streams	S3.35 = 25.435 UTRAN Iub interface user plane protocols for CCH data streams

Iu	Iur	Iub
-	S3.26= 25.426 UTRAN Iur and Iub interface data transport and transport signalling for DCH data streams	
-	S3.27= 25.427 UTRAN Iur and Iub interface user plane protocol for DCH data streams	
S3.01 = 25.401 UTRAN Overall Description		
I3.01 = 25.4xx UTRAN functions: Examples on signalling procedures		
I3.02 = 25.4xx Manifestations of handover and SRNS relocation		
I3.03 WG3 Workplan and study items		
I3.04 WG3 Study Items for Future Releases		
I3.05 Node B O&M Functional Descriptions		

3. ORGANISATION AND WORKPLAN

The documents to be finalised in April will need to be discussed at WG3#3.

The following meeting dates are planned:

Meeting no	Dates	Venue, host
3	26-30 April	Japan, Fujitsu
4	31 May – 4 June	UK, Lucent+Motorola
5	5 – 9 July	Helsinki, Nokia
6	23 – 27 August	Tentative Sophia Antipolis, ETSI
7	Tentative 20-24 September	Open
8	Tentative 25-29 October or 1 – 5 November	Open
9	Tentative 6-10 December	Open

Two subworking groups (SWGs) have been created, covering:

- Iu controlplane+userplane
- Iur/Iub control plane + userplane

The SWGs will meet in parallel between opening and closing WG3 plenaries. At WG3#3 up to two days will be used for SWG sessions.

Only one candidate.... The following representatives have been appointed by WG3:

- WG3 chairman: Per Willars, Ericsson
- WG3 vice chairman: Jean-Marie Calmel, Nortel
- WG3 secretary: Richard Townend, BT (until september 1999)
- Iu SWG Rapporteur: Atte Länsisalmi, Nokia
- Iur/Iub SWG Rapporteur: vacant

It has been noted that for better balance between regions, a second vice chairman from another region than Europe should be appointed.

4. MERGING OF ARIB/TTC AND ETSI DOCUMENTS

Most study items from the merging process has 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
ARC/2	Allocation of DL channelisation codes.	Solved at second WG3 meeting.
SIG/1	Synchronisation at DCH Establishment	Solved at second WG3 meeting.

SIG/2	Radio Link setup/addition in the Iur Interface.	Solved at first WG3 meeting.
Iu/1	Use of SS7 as a signalling bearer for Iu & Iur	Open for Iur. Await decision on Iu from SA WG2.
Iu/2	Signalling Channel Set up as a separate procedure.	Solved at first WG3 meeting.
Iu/3	The SRNC Relocation procedure as a whole, especially the need for Proceeding 1 and Proceeding 2 messages.	Solved at second WG3 meeting.
Iu/4	The triggering of SRNS relocation from the target RNS	Solved at second WG3 meeting.
Iu/5	Separate or combined set up, modify and release of RAB	Open
Iu/6	Ciphering algorithms	Solved at second WG3 meeting.
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).	Open
Iur/1	Out-band or in-band Power Control (both UL and DL)	Open
Iur/2	Separate reconfiguration trigger and reconfiguration procedure, or combined DRNC initiated DL reconfiguration procedure.	Solved at second WG3 meeting.
Iur/3	Cell and URA Update need to be clarified.	Solved at second WG3 meeting. (Use RNSAP.)
Iur/4	It should be studied whether the parameters in the Examples on signalling procedures document should be presented in an Annex or with the procedures themselves.	Solved at first WG3 meeting.
Iub/1	Which Identity (e.g. Location Identity, URA id or a list of cells) to use in Paging procedure.	Two concrete alternatives with pros and cons exist. Still open.

5. PROGRESS AND STATUS OF TECHNICAL DOCUMENTS

S3.01=25.401 UTRAN Overall Description

Editor: Jean-Marie Calmel, Nortel

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

S3.10=25.410 UTRAN Iu Interface: General Aspects and Principles

Editor: Richard Townend, BT

Some work remaining.

S3.11=25.411 UTRAN Iu interface Layer 1

Editor: Vacant

No first version available.

S3.12=25.412 UTRAN Iu interface signalling transport

Editor: Kiran Thakare, Telecom Modus

Still debated whether to use SCCP/MTP3b or IP-based solution to IP-domain. Await S2 decision.

S3.13=25.413 UTRAN Iu interface RANAP signalling

Editor: Jyrki Jussila, Nokia

Some progress but much missing.

S3.14=25.414 UTRAN Iu interface data transport & transport signalling

Editor: David Comstock, Ericsson

Basic solutions agreed towards each CN domain.

S3.15=25.415 UTRAN Iu interface user plane protocols

Editor: Alain Maupin, Ericsson

Skeleton exists, no significant contents.

S3.20=25.420 UTRAN Iur Interface: General Aspects and Principles

Editor: Kevin Hegerty, Lucent

Some work remaining.

S3.21=25.421 UTRAN Iur interface Layer 1

Editor: Vacant

No first version available.

S3.22=25.422 UTRAN Iur interface signalling transport

Editor: Kiran Thakare, Telecom Modus

Currently debated whether to use SCCP/MTP3b or IP-based solution. To be decided at WG3#3.

S3.23=25.423 UTRAN Iur interface RNSAP signalling

Editor: Björn Ehrstedt, Ericsson

Some progress but much work remaining.

S3.24=25.424 UTRAN Iur interface data transport & transport signalling for CCH data streams

Editor: Nicolas Drevon, Alcatel

Skeleton exists.. No contents yet.

S3.25=25.425 UTRAN Iur interface user plane protocols for CCH data streams

Editor: Nicolas Drevon, Alcatel

Skeleton exists, no significant contents.

S3.26=25.426 UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams

Editor: Sammi Kekki, Nokia

Basic solution agreed. Some open issues and FFS-items to be clarified.

S3.27=25.427 UTRAN Iur and Iub interface user plane protocols for DCH data streams

Editor: Fabio Longoni, Nokia

Some progress but much work remaining.

S3.30=25.430 UTRAN Iub Interface: General Aspects and Principles

Editor: Mick Wilson, Fujitsu

Some work remaining.

S3.31=25.431 UTRAN Iub interface Layer 1

Editor: Vacant

No first version available.

S3.32=25.432 UTRAN Iub interface signalling transport

Editor: Mick Wilson, Fujitsu

More or less stable.

S3.33=25.433 UTRAN Iub interface NBAP signalling

Editor: Nobutaka Ishikawa, NTT Docomo

Some progress but much work remaining.

S3.34=25.434 UTRAN Iub interface data transport & transport signalling for CCH data streams

Editor: Magnus Aldén, telia

More or less stable.

S3.35=25.435 UTRAN Iub interface user plane protocols for CCH data streams

Editor: Jean-Marie Calmel, Nortel

Skeleton exists. No contents.

I3.01=25.4xx UTRAN Functions, examples on signalling procedures

Editor: Enrico Scarrone, CSELT

Progressed. Some procedures are stable, others include many open issues.

I3.02=25.4xx Manifestations of handover and SRNS relocation

Editor: Richard Townsend, BT

Stable.

I3.03 TSG RAN WG3 Work Plan and Study Items

Editor: Björn Ehrstedt, Ericsson

13.04 TSG RAN WG3 Study Items for Future Release

Editor: Vacant.

No first version exists.

13.05 NodeB O&M Functional Descriptions

Editor: Andrew DeLaTorre, Vodafone

First version being prepared. Internal document only (as a basis to define parts of NBAP protocol on Iub).

6. RELATION TO OTHER GROUPS

RAN WG2: Exchanged a number of LSs. The topics debated are:

- length and format of RNTI
- abbreviation of Common Channel (vs Control Channel)
- answer WG2 on the delay on Iub for discussion on the need of MAC-ack in the Node B

SA WG2: Had a joint meeting in March. Solved a number of Iu protocol architecture issues. Waiting for S2 decision on Iu signalling bearer to IP domain.

SA WG5: Will treat the LS from S5 at WG3#3.

6. OTHER ISSUES

Delay budget:

WG3 has identified the need to specify an overall delay budget of the Access Stratum in order to derive the delay requirements to be put on individual nodes and transmission links. This needs to consider the Radio Access Bearer delay requirements (not yet settled) and the radio interface delay. WG3 proposes to create a new document for this but asks TSG RAN for guidance how to handle it, since also other WGs should be involved.