

Source: RAN WG3 Convenor
Title: Status Report RAN WG3 22 Feb 1999
Document for: Decision
Agenda Item: 6.3

1. general

RAN WG3 has had one meeting, where the focus was on setting a document structure, merging documents from the partners and agree on a work plan and organisation. In addition, a number of contributions on general architecture, signalling procedures of functions and on the Iu interface were treated. There was no time to treat contributions on Iur and Iub interfaces.

2. list of wg3 documents

WG3 is working on 21 specifications (S3.xx) and 3 internal documents (I3.xx), as shown below. The titles of the documents may be modified. If needed, merging / splitting of specifications may be performed.

There are editors for all documents except the Layer 1 specifications.

Iu	Iur	Iub
S3.10 Iu Interface: General Aspects and Principles	S3.20 Iur Interface: General Aspects and Principles	S3.30 Iub Interface: General Aspects and Principles
S3.11 Iu interface Layer 1	S3.21 Iur interface Layer 1	S3.31 Iub interface Layer 1
S3.12 Iu interface signalling transport	S3.22 Iur interface signalling transport	S3.32 Iub interface signalling transport
S3.13 Iu interface RANAP signalling	S3.23 Iur interface RNSAP signalling	S3.33 Iub interface NBAP signalling
S3.14 Iu interface data transport and transport signalling	S3.24 Iur interface data transport and transport signalling for CCH data streams	S3.34 Iub interface data transport and transport signalling for CCH data streams
S3.15 Iu interface CN-RAN user plane protocols	S3.25 Iur interface user plane protocols for CCH data streams	S3.35 Iub interface user plane protocols for CCH data streams
-	S3.26 Iur and Iub interface data transport and transport signalling for DCH data streams	
-	S3.27 Iur and Iub interface user plane protocol for DCH data streams	
S3.01 (UT)RAN Overall Description		
I3.01 (UT)RAN functions: Examples on signalling procedures		
I3.02 Manifestations of handover and SRNS relocation		
I3.03 WG3 Workplan and study items		

3. organisation and workplan

A workplan has been agreed. Some of the specifications shall be finalised in April, others later.

Meetings will be held approximately every 6 weeks, and will last for one week. The following dates have been agreed:

Meeting no	Dates	Venue, host
2	15-19 March	Stockholm, Ericsson
3	26-30 April (Assuming RAN TSG meeting in the week before.)	Japan, Japanese companies
4	31 May – 4 June	Open
5	5 – 9 July	Helsinki, Nokia
6	23 – 27 August	Open

To speed up work, three subworking groups (SWGs) have been created, covering:

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

Note: After the meeting it has been contested whether this was really agreed at the WG3 meeting. This issue will be revisited at meeting # 2.

On the second WG3 meeting we will appoint chairman, vice chairman/men, secretary and rapporteurs for the SWGs. Currently, there are no candidates for vice chairman, secretary and rapporteur for the two Iur/Iub SWGs.

Critical issue: We need urgently a secretary acting on meeting #2!

4. merging of arib/TTC and ETSI documents

The documents from ETSI and TTC/ARIB were successfully merged. The merging was based on the ETSI documentation, to which TTC/ARIB had provided comparison information.

The issues where different solutions were described by ETSI and TTC/ARIB, or where the solution existed only in one partners documents but could not be agreed, were listed as study items. A responsible person was identified for each study item, and the discussion is ongoing on the mail reflector. The purpose is to provide a proposal for the second WG3 meeting, where decisions will be taken. The following table shows the list of study items and the current status.

#	Title	Status
ARC/1	CCH & DSCH in Iur Interface	Open
ARC/2	Allocation of DL channelisation codes.	Open
SIG/1	Synchronisation at DCH Establishment	Open
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
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.	Open
Iu/4	The triggering of SRNS relocation from the target RNS	Proposal: Only trigger from SRNC.
Iu/5	Separate or combined set up, modify and release of RAB	Open
Iu/6	Ciphering algorithms	Open
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.	Open
Iur/3	Cell and URA Update need to be clarified.	Open

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.

5. progress and status of technical documents

S3.01 (UT)RAN Overall Description

Editor: Jean-Marie Calmel, Nortel

Merged. Fairly stable. May need some reorganisation.

S3.10 Iu Interface: General Aspects and Principles

Editor: Richard Townend, BT

Merged and splitted version exists.

S3.11 Iu interface Layer 1

Editor: Vacant

No first version available. No contents to include.

S3.12 Iu interface signalling transport

Editor: Kiran Thakare, Telecom Modus

Merged and split. Currently debated whether to use SCCP/MTP3b or IP-based solution.

S3.13 Iu interface RANAP signalling

Editor: Jyrki Jussila, Nokia

Merged and split. Some progress on release procedures.

S3.14 Iu interface data transport & transport signalling

Editor: David Comstock, Ericsson

Merged and split. With the assumption of transcoder in CN, AAL2 and Q.AAL2 will be used to PSTN/ISDN domain.

Need reconsideration if the transcoder is in UTRAN. Towards the IP-domain an IP-based solution is the current working assumption but not agreed.

S3.15 Iu interface user plane protocols

Editor: Alain Maupin, Ericsson

Skeleton exists, no significant contents.

S3.20 Iur Interface: General Aspects and Principles

Editor: Urs Bernhard, Lucent

Merged and splitted version exists.

S3.21 Iur interface Layer 1

Editor: Vacant

No first version available. No contents to include.

S3.22 Iur interface signalling transport

Editor: Kiran Thakare, Telecom Modus

Merged and split. Currently debated whether to use SCCP/MTP3b or IP-based solution.

S3.23 Iur interface RNSAP signalling

Editor: Björn Ehrstedt, Ericsson

Merged and split.

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

Editor: Nicolas Drevon, Alcatel

Skeleton exists.. No contents yet.

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

Editor: Nicolas Drevon, Alcatel

Skeleton exists, no significant contents.

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

Editor: Sammi Kekki, Nokia

Merged and splitted.

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

Editor: Fabio Longoni, Nokia

Merged and splitted.

S3.30 Iub Interface: General Aspects and Principles

Editor: Mick Wilson, Fujitsu

Merged and splitted version exists.

S3.31 Iub interface Layer 1

Editor: Vacant

No first version available.

S3.32 Iub interface signalling transport

Editor: Mick Wilson, Fujitsu

Merged and split.

S3.33 Iub interface NBAP signalling

Editor: Nobutaka Ishikawa, NTT Docomo

Merged and split.

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

Editor: Magnus Aldén, telia

Merged and splitted.

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

Editor: Jean-Marie Calmel, Nortel

Merged and splitted.

I3.01 UTRAN Functions, examples on signalling procedures

Editor: Enrico Scarrone, CSELT

Merged and splitted.

I3.02 Manifestations of handover and SRNS relocation

Editor: Richard Townend, BT

Stable.

6. relation to other groups

RAN WG2: A number of liaison statements have been sent. There are interdependencies when it comes to functions, e.g. radio interface parts of the signalling procedures in I3.01 need to be aligned with most recent WG2 results. It is the responsibility of the participating companies to detect any inconsistencies and propose modifications.

SA WG2: A number of liaisons statements have been exchanged. Responsibility split for Iu issues clear: SA WG2 is responsible for Iu principles and RAN WG3 is responsible for the Access Stratum protocols over Iu.

SA WG5: Responsibility issue need to be clarified. RAN WG3 has assumed to specify the signalling protocol over Iub, including procedures for management of logical resources (including radio resources). It need to be confirmed that this is the task for RAN WG3 and not for SA WG5.

However, specification of "physical O&M" is regarded as separate from Iub and has not been considered in RAN WG3.