

Agenda Item: 5

Source: Ericsson

Title: Proposal of Specification Structure for WG3

Document for:

1 INTRODUCTION

This paper proposes a set of specification that WG3 should produce by the end of 1999.

2 PROPOSAL

Table 1 lists the proposed specifications to be produced by WG3, and a relevant document to be taken as basis when creating the first version.

Table 1: Specifications for which WG3 has responsibility

S3.01	RAN Overall Description	This specification describes the architecture and functions of RAN.	ZZ.01 "UTRAN Architecture Description"
S3.10	General aspects of Iu interface between CN and RAN	Describes the objectives of the Iu interface including an overall description of the interface.	zz.11 Description of Iu interface
S3.11	Principles of Iu interface between CN and RAN (function split, protocol structure)	Specifies the function split and protocol structure over the Iu interface.	Based on: zz.11 Description of Iu interface
S3.12	Iu interface Layer 1	Specifies L1 standard(s) to be used on the Iu interface.	Based on: zz.11 Description of Iu interface
S3.13	Iu interface signalling transport	Specifies the data link and network layer standards to be used to carry the RANAP signalling protocol.	Based on: zz.11 Description of Iu interface
S3.14	Iu interface CN-RAN signalling	Specifies the RANAP protocol for signalling between CN and RAN.	Based on: zz.11 Description of Iu interface
S3.15	Iu interface data transport & transport signalling	Specifies the standards for user data transport protocols and related signalling protocols to establish user-plane transport bearers.	Based on: zz.11 Description of Iu interface
S3.16	Iu interface CN-RAN user plane protocols	Specifies RAN-specific user-plane protocols between CN and RAN (e.g. for inband signalling to a CODEC in the CN).	Based on: zz.11 Description of Iu interface
S3.20	General aspects of Iur interface	Describes the objectives of the Iur interface including an overall description of the interface.	zz.12 Description of Iur interface

S3.21	Principles of Iur interface (function split, protocol structure)	Specifies the function split and protocol structure over the Iur interface.	Based on: zz.12 Description of Iur interface
S3.22	Iur interface Layer 1	Specifies L1 standard(s) to be used on the Iur interface.	Based on: zz.12 Description of Iur interface
S3.23	Iur interface signalling transport	Specifies the data link and network layer standards to be used to carry the RNCAP signalling protocol.	Based on: zz.12 Description of Iur interface
S3.24	Iur interface RNC-RNC signalling	Specifies the RNCAP protocol for signalling between RNC and RNC.	Based on: zz.12 Description of Iur interface
S3.25	Iur interface data transport & transport signalling for CCH data streams	Specifies the standards for user data transport protocols and related signalling protocols to establish user-plane transport bearers over Iur for Common Channel data streams.	Based on: zz.12 Description of Iur interface
S3.26	Iur interface user plane protocols for CCH data streams	Specifies RAN-specific user-plane protocols between RNC and RNC for Common Channel data streams.	Based on: zz.12 Description of Iur interface
S3.27	Iur & Iub interface data transport & transport signalling for DCH data streams	Specifies the standards for user data transport protocols and related signalling protocols to establish user-plane transport bearers over Iur and Iub for Dedicated Channel data streams.	Based on: zz.12 Description of Iur interface and zz.13 Description of Iub interface
S3.28	Iur & Iub interface user plane protocol for DCH data streams	Specifies RAN-specific user-plane protocols between SRNC and Node B for Dedicated Channel data streams.	Based on: zz.12 Description of Iur interface and zz.13 Description of Iub interface
S3.30	General aspects of Iub interface	Describes the objectives of the Iub interface including an overall description of the interface.	zz.13 Description of Iub interface
S3.31	Principles of Iub interface (function split, protocol structure)	Specifies the function split and protocol structure over the Iub interface.	Based on: zz.13 Description of Iub interface
S3.32	Iub interface Layer 1	Specifies L1 standard(s) to be used on the Iub interface.	Based on: zz.13 Description of Iub interface
S3.33	Iub interface signalling transport	Specifies the standards to be used to carry the NBAP signalling protocol.	Based on: zz.13 Description of Iub interface
S3.34	Iub interface RNC-Node B signalling	Specifies the NBAP protocol for signalling between controlling RNC and Node B.	Based on: zz.13 Description of Iub interface
S3.35	Iub interface data transport & transport signalling for CCH data streams	Specifies the standards for user data transport protocols and related signalling protocols to establish user-plane transport bearers over Iub for Common Channel data streams.	Based on: zz.13 Description of Iub interface
S3.36	Iub interface RNC-Node B user plane protocols for CCH data streams	Specifies RAN-specific user-plane protocols between controlling RNC and Node B for Common Channel data streams.	Based on: zz.13 Description of Iub interface

Table 2: Technical Reports for which WG3 has responsibility

Nr	Name	Scope	Relevant ETSI input
I3.01	RAN Functions: Examples on Signalling Procedures	This document describes how the standardised procedures on different interfaces (Iu, Iur, Iub, Uu) can be combined to perform different system functions. The examples shown are not mandated to be implemented, and this is not necessarily a complete list of functions. It serves the purpose to guide the specification of each interface standard by identifying the procedures needed on each interface.	ZZ.02 “UTRAN Functions: Examples on Signalling Procedures”

3 CONCLUSION

It is proposed that the listed specifications and the technical report are adopted as the specification structure by WG3.