

Agenda Item: 7

Source: NTT DoCoMo, NEC, Fujitsu, Panasonic, NTT, Mitsubishi Electronic,
NTT Commware, Japan Telecom, Tu-Ka Phone Tokyo, Tu-Ka phone Kansai

Title: Comparison between lub in ETSI and TTC/ARIB

1. Introduction

The intention of this paper is to help the procedure of comparing lub description documents from ETSI (SMG2 ARCH expert group) and TTC/ARIB (TC6 SWG6-5-1, IMT-2000 SWG6) when the first version of 3GPP lub specification document.

2. Source

In TTC/ARIB, all relevant lub information is in one document:

[1] (Description of lub interface) ver 1.0.0 29 Jan. 1999.

In ETSI, all relevant lub information is also one document:

[2] (UMTS ZZ.13 Description of lub interface) ver 0.1.0 Jan. 1999.

Comparison table of Description of Iub Interface

Contents	UMTS-ZZ.13 Description of Iub Interface	TTC/ARIB-Description of Iub Interface	Comparison Result	Proposal
1. Intellectual Property Rights	Description exists.	No description		Put text for 3GPP document.
2. Foreword	Description exists.	No description		Put text for 3GPP document.
3. Scope	Description exists.	Description exists.	E: UMTS SMG2 ARC expert group TA:: TTC SWG6-5-1/ARIB SWG6	Put text for 3GPP document.
4. Reference	Description exists.	Description exists.		Put text for 3GPP document.
5.1 Definitions	Description exists.	No description	E: Editor's Note is described.	Need to discuss
5.2 Abbreviations	Description exists.	No description	E: Editor's Note is described.	Need to discuss
5.3 Notation	Description exists.	No description	E: Both FDD and TDD cases are considered.	Need to discuss
6.1 UTRAN Architecture	Description exists.	No description	E: Editor's Note is described.	Need to discuss
6.2 Iur-Interface General Principles and Specification Objectives	Description exists.	Description exists.	E: Sentence "Transmission sharing between the GSM/GPRS Abis interface and the Iub interface shall not be precluded." Existss.	Delete this sentence.
6.3 Iub-Interface Capabilities	Description exists.	Description exists.	E: Iub DSCH for data stream is described.	Need to discuss
6.4 Iub-Interface Characteristics	Description exists.	No description	E: Editor's Note is described.	Need to discuss
7. Iub-Interface Protocol Functions	Description exists.	No description	E: Editor's Note is described.	Need to discuss
7.1 Interface Functions	Description exists.	Description exists.	TA:: Traffic management of DSCH (FFS) is not described.	Need to discuss
8. Iub-Interface Protocol Structure	Description exists.	Description exists.	TA:: Protocol Structure is more concretely drawn.	Take TTC/ARIB description as a base because of more concretely.
9.1 Introduction	Description exists.	No description	E: Editor's Note is described.	Need to discuss
9.2.1 General	Description exists.	Description exists.	E: Editor's Note is described.	Need to discuss
9.2.2 NBAP Procedures	Description exists.	No description	E: Procedures are divided into common and dedicated procedures. TA: Procedures are not divided.	Take TTC/ARIB description as a base because no inevitability exists in divided procedures.
9.2.2.1 Radio Link Setup	Description exists. (9.2.2.1.7)	Description exists. (9.2.2.1)	Terminology: E: Channelisation Code, AAL2 address, RL SETUP REQUEST, RL SETUP COMPLETE TA: Spreading Code, ATM Address, RADIO LINK SETUP, RADIO LINK SETUP RESPONSE Others: TA: "Unsuccessful case" is also described.	Need to discuss
9.2.2.2 Radio Link Addition	Description exists. (9.2.2.2.1)	Description exists. (9.2.2.2)	Terminology: E: Channelisation Code, AAL2 address, RL ADDITION REQUEST, RL ADDITION PROCEEDING TA: Spreading Code, ATM Address, RADIO LINK ADDITION, RADIO LINK ADDITION RESPONSE	Need to discuss

Contents	UMTS-ZZ.13 Description of Iub Interface	TTC/ARIB- Description of Iub Interface	Comparison Result	Proposal
			Parameters: E: 'Power control info.' and 'OFF' exist. TA: 'Phase Difference' exists. Others: TA: "Unsuccessful case" is also described.	
9.2.2.3 Radio Link Reconfiguration	Description exists. (9.2.2.2.2)	Description exists. (9.2.2.3)	Terminology: E: RL Reconfiguration Request RL Reconfiguration Proceeding RL Reconfiguration Command Channelisation code, AAL2 address TA: Radio Link Prepare, Radio Link Ready, Radio Link Commit, Spreading code type, ATM address Others: Possible parameters are different. TA: "Unsuccessful case" is also described.	Need to discuss
9.2.2.4 Radio Link Deletion	Description exists. (9.2.2.2.3)	Description exists. (9.2.2.4)	Terminology: E: RL DELETION REQUEST, RL DELETION CONFIRM TA: RADIO LINK DELETION RADIO LINK DELETION RESPONSE	Need to discuss
9.2.2.5 DL Power Control	No description.	Description exists. (9.2.2.5)		Take TTC/ARIB description as a base.
9.2.2.6 Outer Loop Power Control	No description.	Description exists. (9.2.2.6)		Take TTC/ARIB description as a base.
9.2.2.7 Down Link Code Reconfiguration Trigger	No description.	Description exists. (9.2.2.7)		Take TTC/ARIB description as a base.
9.2.2.8 Paging	No description	Description exists. (9.2.2.8)		Take TTC/ARIB description as a base.
9.2.2.9 Common Channel Management	Common Channel Management (9.2.2.2.9)	No description.		Need to discuss .
9.2.2.10 Interference Measurement	No description.	No description.		Need to discuss .
9.2.2.11 Cell Configuration Management	Description exists. (9.2.2.11)	No description.		Need to discuss .
9.2.2.12 Notification of Available Logical Resources	Description exists. (9.2.2.12)	No description.		Need to discuss .
9.2.3 NBAP Messages	No description	Description exists.	TA: NBAP Messages are listed in Table.	Take TTC/ARIB description as a base with some modifications based on Chapter 9.2.2..
9.2.3.1 Message Contents	No description	Description exists.	TA: Information Elements are listed for each message.	Take TTC/ARIB description as a base, because of no description in ETSI.

Contents	UMTS-ZZ.13 Description of Iub Interface	TTC/ARIB- Description of Iub Interface	Comparison Result	Proposal
9.2.4 Signaling Element Coding	No description.	Description exists.		Take TTC/ARIB description as a base.
9.3.1 Transport Layer	Description exists.	No description	E: Editor's Note is described.	Need to discuss .
9.3.2 Signaling Bearer	Description exists.	Description exists.	No difference.	As it is.
10.1 Introduction	Description exists.	No description	E: Editor's Note is described.	Need to discuss .
10.2 Transport Layer			No difference.	Need to discuss .
11.1 Introduction	Description exists.	No description	E: Editor's Note and so on are described.	Need to discuss .
11.2 Radio Network Layer	Description exists.	Description exists.	E: Editor's Note is described. FAUSH Frame Protocol is described. DSCH Frame Protocol is described .	Need to discuss .
11.3 Transport Layer	Description exists.	Description exists.	E: Editor's Note is described. Iub/Iur DCH data stream for soft handover [TDD] is described.	Need to discuss .
12. Physical Layer	Description exists.	No description	E: Editor's Note is described.	Need to discuss .
13. Example Sequences	Description exists.	No description	E: Editor's Note is described.	Need to discuss .