

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 lur in ETSI and TTC/ARIB

1. Introduction

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

2. Source

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

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

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

[2] (UMTS ZZ.12 Description of lur interface) ver 0.1.0 Jan. 1999.

Comparison table of Description of Iur Interface

Contents	UMTS-ZZ.12 Description of Iur Interface	TTC/ARIB- Description of Iur Interface	Comparison	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 Capabilities	Description exists.	Description exists.	E: DCH, CCH, DSCH and FAUSCH for data stream are described. TA: Only DCH for data stream is described.	Need to discuss.
6.4 Iur-Interface Characteristics	Description exists.	No description	E: Editor's Note is described.	Need to discuss.
7 Iur-Interface Functions	Description exists.	Description exists.	E: No existence of Radio Link Setup functions. TA No existence of URA paging, Measurement Reporting and Traffic management.	Need to discuss (As for no existence of URA paging function, TTC/ARIB assumption is there doesn't exist CCH on Iur. But, It needs to discuss.)
8. Iur-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: Editor's Note is described.	Need to discuss.
9.2.2.1 Radio Link Setup	No description	Description exists. (9.2.2.1)		Take TTC/ARIB description as a base
9.2.2.2 Radio Link Addition	Description exists. (9.2.2.1)	Description exists. (9.2.2.2)	Terminology: E: Channelisation Code, RNS, AAL2 address, RL ADDITION REQUEST, RL ADDITION PROCEEDING TA: Spreading Code, RNC, ATM Address, RADIO LINK ADDITION, RADIO LINK ADDITION RESPONSE Others: E: The need for a RL ADDITION COMPLETE message and the time at which the DRNC allocates the spreading code are FFS. RL ADDITION REQUEST message contain transport format sets (TFSS) for each active DCH. TA: "Unsuccessful case" is also described.	Need to discuss.
9.2.2.3 Radio Link	Description exists. (9.2.2.2)	Description exists. (9.2.2.3)	Terminology E: RNS	Need to discuss

Contents	UMTS-ZZ.12 Description of lur Interface	TTC/ARIB- Description of lur Interface	Comparison	Proposal
Deletion			RL DELETION REQUEST RL DELETION CONFIRM TA: RNC RADIO LINK DELETION RADIO LINK DELETION RESPONSE	
9.2.2.3 Radio Link Reconfiguration	Description exists. (9.2.2.3)	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.
9.2.2.5 DL Power Control	N 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	Description exists. (9.2.2.4).	Description exists. (9.2.2.7)	Terminology: E: Down Link Code Reconfiguration TA: Down Link Code Reconfiguration Trigger Others: ETSI and TC/ARIB documents describe almost same things.	As for terminology, take TTC/ARIB description because it indicate a clearer concept. As for others, to discuss is needed.
9.2.2.8 RNC Relocation	Description exists. (9.2.2.10).	Description exists. (9.2.2.8)	Terminology: E: SRNC Relocation Commit T/A: RNC Relocation Others: Procedure may be different.	Take TTC/ARIB description as a base.
Cell/URA Update indication	Description exists. (9.2.2.5).	No description.	TA: CCH doesn't exist on lur.	Need to discuss. (It needs technical to discuss.)
Radio Link Dropped Notification	Description exists. (9.2.2.6)	No description		Need to discuss.
Load Indication	Description exists. (9.2.2.7)	No description		Need to discuss.
Radio measurement Reporting	Description exists. (9.2.2.8)	No description		Need to discuss.
URA Paging Request	Description exists. (9.2.2.9)	No description	TA: CCH doesn't exist on lur.	Need to discuss. (It needs technical to discuss.)
9.2.3 RNSAP Messages	No description	Description exists.	TA: RNSAP 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.
9.2.4 Signaling Element Coding	No description.	Description exists.		Take TTC/ARIB description as a base.
9.3.1 General	Description exists.	Description exists.	Terminology: E: RNS, TA: RNC Others: E: Editor's Note is described.	Need to discuss.
9.3.2 Service	Description exists.	Description exists.	No difference.	As it is.

Contents	UMTS-ZZ.12 Description of Iur Interface	TTC/ARIB- Description of Iur Interface	Comparison	Proposal
provided by the signaling bearer				
9.3.3 Signaling Bearer	Description exists.	Description exists.	TA: TCP/IP stack doesn't exist.	Need to discuss.
10. Iur-Interface Protocol Layer Specification for Transport Network Control Plane	Description exists.	Description exists.	E: Editor's Note is described.	Need to discuss.
11.1 Introduction	Description exists.	No description		Need to discuss.
11.2 Radio Network Layer	Description exists.	Description exists.	E: Editor's Note is described. DSCH Frame Protocol is described.	Need to discuss.
11.3 Transport Layer	Description exists.	Description exists.	E: Editor's Note is described. TA: DSCH is deleted.	Need to discuss.
12. Physical Layer	No description.	No description		As it is.
13. Example Sequences	Description exists.	No description		Need to discuss.