

Agenda item: Rel'4
Source: Rapporteur
Title: Status Report of Work Item 'LCRTDD' and
 'LCRTDD-Phys'
Document for: Information

Introduction

This document provides a status report of the work item 'low chip rate TDD'. TSG-RAN WG1 is the leading working group for this work item. Further more, this work item is divided into 5 building blocks with different TSG RAN WGs being the leading working group. 5 technical reports were created correspondingly.

LCRTDD-Phys	Low chip rate TDD physical layer	RAN1
LCRTDD-L23	Low chip rate TDD layer 2 and layer 3 protocol aspects	RAN2
LCRTDD-Uerac	Low chip rate UE radio access capability	RAN2
LCRTDD-lublur	Low chip rate TDD UTRAN network lub/lur protocol aspects	RAN3
LCRTDD-RF	Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	RAN4

The status of each involved WG is reported below:

RAN1:

WI: LCRTDD-Phsy

Work in RAN WG1 was start in RAN1#10 meeting in Beijing, China, Jan.2000 when the TR25.928 which will introduce the physical layer technologies of low chip rate TDD was created. The TR was completed in RAN#8 with the technologies analysis and comparison with high chip rate TDD included.

After the RAN#8, the work for low chip rate TDD WI was in the working CR phase in which the draft CRs for specification were created and completed step by step.

RAN1 held 10 working group meetings and 1 adhoc meeting since the creation of this work item - LCRTDD-Phys. In RAN1#19, the CRs were finalized and approved.

As a summary, in RAN1, the following works for 1.28Mcps TDD have been performed:

- Physical channel and mapping
- Multiplexing and channel coding

- Modulation and spreading
- Physical layer procedure
- Physical layer measurements

The following TR and CRs are completed for this work item:

TR25.928	V2.0.0
TS25.201	CR 006
TS25.221	CR 043
TS25.222	CR 055
TS25.223	CR 017
TS25.224	CR 047
TS25.225	CR 024
TS25.944	CR 005

This WI is completed in RAN1 for Rel-4.

RAN2:

WI: LCRTDD-Uerac

The following TR and CRs are completed for this work item:

TR25.843	V4.0.0
TR25.843	CR 001
TS25.306	CR 003

WI: LCRTDD-L23

The following TR and CRs are completed for this work item:

TR25.834	V4.0.0
TR25.834	CR003
TS25.301	CR042
TS25.302	CR090
TS25.303	CR043
TS25.304	CR057
TS25.321	CR064
TS25.331	CR706
	CR707
	CR708
	CR709

These two WIs are completed in RAN2 for Rel-4.

RAN3:

WI: LCRTDD- lublur

The following TR and CRs are completed for this work item:

TR25.937	V2.0.0
TS 25.401	CR 023
TS 25.402	CR 014
TS 25.433	CR 358
	CR 359

TS 25.423	CR 309
TS 25.425	CR 023
TS 25.427	CR 042
TS 25.430	CR 014
TS 25.435	CR 037

RAN4:

WI: LCRTDD-RF

The following TR and CRs are completed for this work item:

TR25.945	V2.4.0
TS25.102	CR
TS25.105	CR
TS25.113	CR
TS25.123	CR
TS25.142	CR
TS25.124	CR

This WI is completed in RAN2 for Rel-4.

Conclusion:

According to the above information, all the building block WIs of LCRTDD are completed in their corresponding leading group, RAN1 as the leading working group of the WI 'LCRTDD' and 'LCRTDD-Phys' agrees this WI to be included in Rel-4.