

Doc For	TSG SA	TSG CN	TSG RAN	TSG T
Decision	X	X	X	X
Discussion	X	X	X	X
Information				

Agenda Item:

Source: QUALCOMM Europe SARL

Title: Transfer of work on Convergence from SMG2 to 3GPP

Document for: Decision

At the last two meetings of ETSI SMG the topic of convergence of WCDMA with cdma2000 was discussed. At the ETSI SMG Meeting #27 in Prague, ETSI SMG tasked ETSI SMG2 to set aside time for a discussion on convergence at its next meeting.

As a result of this discussion, ETSI SMG2, at the last meeting held in Dresden 16-20 November 1998, sent a liaison statement to ITU-R TG8/1 entitled "SMG2 activities related to the harmonization and convergence of 3G radio transmission technologies", Tdoc SMG2 550/98 (attached as Annex 1). This document was well received in the ITU-R TG8/1 Meeting which was being held in Jersey, UK at the same time.

More time is allocated for further discussion on convergence at the next meeting of SMG2 in January 1999, and it is expected that SMG2 will send a liaison explaining the results of that discussion to 3GPP. However this submission is made to give 3GPP an early indication of the work currently going on in SMG2 so that proper planning can be done to allow 3GPP to start the incorporation of convergence into the work plan.

In view of the intention for 3GPP TSG RAN to take over a large proportion of the work of SMG2 on UTRAN, it is logical that TSG RAN should also include convergence of WCDMA with cdma2000 and other RTT's in its work plan. Other TSG's should also take into account convergence of WCDMA with cdma2000 and other RTT's where this is appropriate in their work items.

The proposal is that a reference should be made in the Objectives and Work Plan of all TSG's to consider the issue of convergence of WCDMA with cdma2000 and other RTT proposals.

Annex 1

ETSI STC SMG2#28
Dresden, Germany
16-20 November 1998

Tdoc SMG2 550/98
Agenda Item: 6.13

Title: SMG2 activities related to harmonization and convergence of 3G radio transmission technologies
Source: SMG2
To: ITU-R TG8/1

1. Introduction

SMG2 thanks ITU-R TG8/1 for their interest in our work related to the IMT2000 specifications, and especially the interest in SMG2's view on the harmonization and convergence activities.

This liaison from SMG2 to ITU-R TG8/1 describes our view on harmonization and convergence of CDMA based RTT proposals (UTRA from ETSI, WCDMA from ARIB, cdma2000 from TTA, WP-CDMA from TTA/T1P1, CDMA I from TTA, CDMA II from TTA, TD-SCDMA from CATT). It also describes the planned activities in SMG2 regarding harmonization and convergence.

The UTRA RTT proposal is a radio access concept comprising two modes of operation, i.e., an FDD mode and a TDD mode. The harmonization between these two modes of operation is a strong requirement in SMG2. This implies that all discussions regarding harmonization and convergence where UTRA is involved should consider both modes (FDD and TDD) of operation.

SMG2 recognizes the harmonization and convergence work that has been done in different fora throughout the world. SMG2 appreciates the information received during the present SMG2#28 meeting in Dresden about the harmonization and convergence activities within Region 2 and Region 3. SMG2 also agrees that the conclusions from the ARIB coordination group (CG), including the conclusions from the Ad Hoc S and Ad Hoc CR groups, can provide useful input to the continuing discussions on harmonization and convergence within SMG2.

SMG2's view on harmonization and convergence is that work activities can be split into two areas: RF parameters and baseband issues. SMG2 believes that a harmonization and convergence of the RF parameters is important, independent of the baseband issues.

SMG2's view is that before the discussion regarding the baseband harmonization and convergence can be concluded, it is very important to understand and discuss the requirements used in design of the different CDMA RTT proposals mentioned above. This discussion could give insight and understanding as to why the CDMA RTT proposals are different today. If a difference in the CDMA RTT proposals stems from different requirements, the harmonization and convergence discussion should study whether it is possible to align the particular requirements at issue within the relevant standardization bodies (ETSI SMG, ARIB, CATT, T1P1, TTA, TTA). Further, SMG2's opinion is that the harmonization and convergence discussions should use the ARIB Ad Hoc S and Ad Hoc CR conclusions as the basis for further discussions.

2. Planned activities within SMG2

Based on the discussion above, SMG2 will contribute to work on harmonization and convergence through its work on RF parameters in SMG2. This includes a precise definition of the RF parameters and test methods of the RF parameters. The detailed work on the RF parameters will be done with high priority in SMG2's Layer 1 Expert Group* which will consider all contributions

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- The next SMG2 meeting will be in Sophia Antipolis, France, Jan, 25-29, 1999
 - The next SMG2 Layer 1 Expert Group meeting will be in Espoo, Finland, Dec 14-18, 1998
 - To get information on how to contribute to SMG2 meetings, please contact:
Paulo Usai, SMG2 secretary
email: **Error! Bookmark not defined.**
 - To get information on how to contribute to SMG2 Layer 1 Expert Group meetings, please contact:

equally. The intention is then to agree at the next SMG2 plenary meeting* on the RF parameter specification. This is also in line with the already existing time plan in SMG2. SMG2 encourages companies and standardization bodies from other regions to take part in these SMG2 and SMG2 Layer 1 Expert Group discussions.

SMG2 will allocate sufficient time to discussions on baseband harmonization at the next SMG2 plenary meeting. The discussion about the baseband differences at the next SMG2 meeting will be split into two parts:

- A discussion related to differences in requirements
- A discussion related to baseband parameters.

SMG2 encourages companies and standardization bodies from other regions to input papers about the requirements on the different CDMA RTT proposals and also information on the harmonization and convergence progress.