

Status Report for WI to TSG

Work Item Name: DS-CDMA Introduction in the 800 MHz Band

SOURCE: Rapporteur

TSG: RAN

WG: 4

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Ref. to WI sheet: RP-030178.doc, TSGRP#19 (2003)

Progress Report since the last TSG (for all involved WGs):

Each of TSG RAN-WG4 and RAN-WG2 has had one meeting respectively.

RAN WG4:

In RAN-WG4#28 meeting, the interference studies done in Japan for the introduction of IMT-2000 technologies in the 800MHz band was explained in [1].

Band numbering for UMTS1.7/2.1, UMTS850 and DS-CDMA800 was proposed in [2] and agreed.

All necessary changes for the Release 6 specifications were listed in [3] and three CRs, [4], [5] and [6], were proposed. In the CRs, 830-840MHz for UL and 875-885MHz for DL were assumed and described with square brackets since the common understanding has not been gained in the industry in Japan at that time. There were several comments on channel numbering scheme, UE reference sensitivity level, blocking characteristics and intermodulation characteristics and they would be further discussed at the next RAN4 meeting. Possible coordination between DS-CDMA800 (UMTS800) and UMTS850 WI would be studied.

Status of the WI was explained in [7].

Finally it was concluded that TSG RAN plenary would decide on ITU-R submission and how to proceed with these three CRs. And then, only CRs on frequency band numbering, [8], [9] and [10], were agreed to submit to RAN plenary for approval.

Changes for the TR on this WI were proposed in [11] and endorsed. TR number, 25.805, was assigned to the TR after RAN4#28.

RAN WG2:

CRs for 25.307 and 25.331 were presented in [12]. Taking into account RAN4 status, approval of these CRs was put off by the next RAN2 meeting.

List of Completed elements (for complex work items):

- Existing band plan
- Possible deployment scenario in Japan [including tentative information]
- Channel numbering [Tentative proposal]
- Signalling related to the new band [Tentative proposal]
- Band numbering

List of open issues:

- UE radio requirements
- BS radio requirements

Estimates of the level of completion (when possible):

45%

WI completion date review resulting from the discussion at the working group:

RAN#22

References to WG's internal documentation and/or TRs:

- [1] R4-030687 Summary of Partial Report on effective use of mobile commercial-use frequency in the 800Mhz-range in Japan (ARIB)
- [2] R4-030688 Band numbering for UMTS1.7/2.1, UMTS850 and DS-CDMA800 (Ericsson, Fujitsu, NTT DoCoMo, Panasonic)
- [3] R4-030689 Essential changes for introducing DS-CDMA into 800MHz band in Japan (NTT DoCoMo, Panasonic, Fujitsu)
- [4] R4-030690 DS-CDMA Introduction in the 800 MHz Band (CR 268 to 25.101 Rel-6) (NTT DoCoMo, Panasonic, Fujitsu)
- [5] R4-030691 DS-CDMA Introduction in the 800 MHz Band (CR 194 to 25.104 Rel-6) (NTT DoCoMo, Panasonic, Fujitsu)
- [6] R4-030692 DS-CDMA Introduction in the 800 MHz Band (CR 303 to 25.141 Rel-6) (NTT DoCoMo, Panasonic, Fujitsu)
- [7] R4-030825 Status of the WI "Introduction of the DS-CDMA into 800MHz band" (Panasonic, NTT Docomo, Fujitsu)
- [8] R4-030835 Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850 (CR 271 to 25.101 Rel-6) (NTT DoCoMo, Panasonic, Fujitsu)
- [9] R4-030836 Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850 (CR 200 to 25.104 Rel-6) (NTT DoCoMo, Panasonic, Fujitsu)
- [10] R4-030837 Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850 (CR 319 to 25.141 Rel-6) (NTT DoCoMo, Panasonic, Fujitsu)
- [11] R4-030824 TR for "DS-CDMA introduction in the 800MHz band" Work Item (NTT Docomo, Panasonic, Fujitsu)
- [12] R2-031798 UMTS 800: Proposals of changes to 25.307 and 25.331 (NTT DoCoMo)