

Status Report for WI to TSG

Work Item Name: UMTS 1.7/2.1 GHz, RInImp-UMTS1721

SOURCE: Rapporteur, Jussi Numminen, Nokia

TSG: RAN

WG: 4

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Ref. to WI sheet: RP-030186

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

In TSG RAN #19 meeting WI on UMTS1700/2100 was agreed. After this three TSG RAN WG4 and WG2 meeting has been held, and work regarding this subject has been continuing from last reporting period in RAN#21.

In TSG RAN WG4#29 a document R4-030939 Text proposal for UMTS1700/2100 MHz TR, Changes in TS25.101 and 104 [7] from Nokia was presented and revised version of this contribution R4-031120 [8] was later approved to be included into the technical report.

LS to RAN WG2 was sent requesting them to develop a signalling method to inform to the UE the UL transmission frequency prior first attachment procedure. This will solve the problem having different DL and UL pairing in different regions in the world.

Release-6 CRs from Ericsson in R4-031094 (25.101), R4-031095 (25.104) and R4-031096 (25.141) Introduction of new channel arrangement for bands IV, V and VI [9,10,11] were approved and they introduced channel frequencies and UARFCN for all new band variants UMTS1.7/2.1, UMTS850 and UMTS800.

Week after TSG RAN WG4#29 meeting FCC released the Service rules for Advanced Wireless Services in the 1.7 GHz and 2.1 GHz Bands. Text agreed for technical report for 1.7/2.1 GHz WI in TSG RAN WG4#29 is well in-line with rules from FCC.

List of Completed elements (for complex work items):

Frequency and channel arrangements, deployment scenarios, requirements for UE and BS, velocity scaling for performance requirements.

List of open issues:

- ?? CRs in TSG RAN WG4 to TS 25.101, TS 25.104, TS 25.14 to add band IV support in radio requirements
- ?? CRs in TSG RAN WG2 to TS25.331 and TS 25.307 that introduce signalling support and release independent requirements

Estimates of the level of completion (when possible):

The completion level is 90%.

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

WI is behind the schedule since FCC order for Service Rules for Advanced Wireless Services in the 1.7 GHz and 2.1 GHz Bands was not available until at the end of November 2003. Service rules have now been released and therefore it's expected that WI can be completed by TSG RAN # 23.

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

- [1] R4-030528, Introduction of UMTS 1.7/2.1 GHz WI, Nokia
- [2] R2-031026, Introduction of non-default duplex distances, Ericsson
- [3] R4-030822, TR on UMTS 1700/2100 MHz Work Item (r1), Nokia

- [4] R4-030830, TR on UMTS 1700/2100 MHz Work Item (r2), Nokia
- [5] R4-030727, Changes in TS25.101 and TS25.104 according to UMTS 1.7/2.1 GHz WI, Nokia
- [6] R4-030831, Text proposal for UMTS 1700/2100 MHz TR, Changes in TS25.101 and TS25.104, Nokia
- [7] R4-030939, Text proposal for UMTS1700/2100 MHz TR, Changes in TS25.101 and 104, Nokia
- [8] R4-031120, Text proposal for UMTS1700/2100 MHz TR, Changes in TS25.101 and 104, Nokia
- [9] R4-031094, Introduction of new channel arrangement for bands IV, V and VI (25.101), Ericsson
- [10] R4-031095, Introduction of new channel arrangement for bands IV, V and VI (25.104), Ericsson
- [11] R4-031096, Introduction of new channel arrangement for bands IV, V and VI (25.141), Ericsson