

Status Report for WI to TSG

Work Item Name: UMTS 900 MHz (RInImp-UMTS900)

SOURCE: Rapporteur

TSG: RAN

WG: 4

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Ref. to WI sheet: ftp://ftp.3gpp.org/tsg_ran/TSG_RAN/Work_Item_sheets/

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

During RAN4#34, 7 contributions on UMTS 900 were discussed. The main topics of the discussion were:

- Deployment scenarios and simulation assumptions
- Proposal for the changes in TS25.104 and TS25.101 for the introduction of 900 MHz band

ECC-PT1 has requested 3GPP to perform sharing studies on three additional deployment scenarios, 3GPP RAN4 has identified more. 3GPP RAN WG4 plans to perform studies on the following scenarios:

Scenario_1: UMTS(macro)-GSM(macro) in Urban area with cell range of 577 m in uncoordinated operation

Scenario_2: UMTS(macro)-GSM(macro) in Rural area with cell range of 5000 m in uncoordinated operation

Scenario_3: UMTS(macro)-GSM(macro) in Rural area with cell range of 5000 m in coordinated operation

Scenario_4: UMTS(macro)-UMTS(macro) in Rural area with cell range of 5000 m in uncoordinated operation

Scenario_5: UMTS(macro)-GSM(micro) in Urban area in uncoordinated operation

Scenario_6: UMTS(macro)-GSM(pico) in Urban area in uncoordinated operation

Considering the number of simulation scenarios and the simulation work load, RAN WG4 agreed to propose the UMTS900 WI new completion date as December 2005, which will be reviewed with the progress of the simulation work.

A TR (TR25.8xx) will be generated to capture the simulation assumptions and simulation results for the planned sharing studies.

The responding LS (R4-050282) agreed at RAN WG4 will be sent to ECC-PT1 by 3GPP RAN after review by RAN plenary.

List of Completed elements (for complex work items):

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List of open issues:

- Simulation assumptions
- UE reference sensitivity

Estimates of the level of completion (when possible):

10%

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

TSG RAN #30, December 2005

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

RAN4#34:

- R4-050074 Sharing and compatibility Studies for UMTS in 900 MHz Band, LS from ECC-PT1
- R4-050120 Additional UMTS900 deployment scenarios and simulation assumptions, Nortel, Orange, Sagem, Telefonica Moviles, Alcatel
- R4-050121 Proposal of changes in TS 25.104 and TS25.101 for the introduction of 900 MHz band, Nortel, Orange, Sagem, Telefonica Moviles, Alcatel
- R4-050122 Co-existence of GSM and UMTS operating in 900 MHz and 1800 MHz bands in urban area, Nortel, Orange, Alcatel
- R4-050208 Deployment scenarios for GSM and UMTS coexistence in the 900 MHz band, Vodafone
- R4-050248 Additional Simulation Scenarios for UMTS900 work, 3GPP RAN4 UMTS900 ad hoc,
- R4-050282 draft LS to ECC PT1 on additional simulation scenarios for UMTS900, Nortel