

3GPP RAN Plenary #22 Meeting

Lahaina, Maui, Hawaii

Tuesday 9th through Friday 12th December, 2003

RP-030560

T1P1.2/2003-116

Title: UMTS 850 WI Update
Document for: Review
Source: WI Rapporteur – Don Zelmer – Cingular Wireless
Agenda Item 8.1.2

Status Report for WI to 3GPP TSG RAN Plenary

Work Item Name: "UMTS 850"

SOURCE: Don Zelmer-Cingular Wireless LLC **TSG:** RAN

E-mail address Rapporteur: don.zelmer@cingular.com

Ref. to WI sheet: ftp://ftp.3gpp.org/tsg_ran/TSG_RAN/Work_Item_sheets/ (originally RP-020875)

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

Since RAN #21,

T1P1.2 meeting in Scottsdale, Az. – USA, 4-7 November 2003:

(A conference call was held during the regularly scheduled T1P1.2 meeting on the 5th of November):

- ?? T1P1.2/2003-107 was reviewed by Shin-De-Lin and Man Hung Ng of Lucent. The results compared favourably with earlier contributions.
- ?? T1P1.2/2003-108 was reviewed by Jam Shid Khun-Jush of Qualcomm. The results compared favourably with earlier contributions.
- ?? Mohamed El-Rayes (Nokia) presented a proposed summary/report document (T1P1.2/2003-110). After proper consideration, the group decided to continue the conference call the next morning at 7:30 AM local time to consider changes to the proposed summary/report document.
- ?? November 6, 2003, the discussion was continued and T1P1.2/2003-110R3 was agreed as the output of T1P1.2 and put forward for approval by T1P1 in Plenary session on Friday, 7 November 2003. The document (T1P1/2003-075) was approved by T1P1 to be moved forward to RAN 4 by the WI Rapporteur from T1P1.
- ?? Reviewed and updated participants concerning some of the regulatory issues coming out of the FCC, including some of the Public Safety interference issues in the US 850 Cellular band.
- ?? **R4-031025 is the approved output document from T1P1 concerning UMTS 850. T1P1 believes its work on the UMTS 850 WI is now complete**

3GPP TSG RAN WG4 meeting in San Diego, CA - USA, 17-21 November 2003

- ?? Reviewed R4-030870 "UMTS 850 WI Update" (WI Rapporteur Cingular Wireless)
- ?? Reviewed R4-031025 "Summary of T1P1.2 Conclusions Regarding UMTS850 Simulation Results"
- ?? Reviewed:
 - o R4-030867 "RACH preamble detection simulation results" (Lucent)
 - o R4-030868 "UMTS850 and TIA/EIA-95 Co-existence Simulation Results for Uplink" (Lucent)
 - o R4-030869 "UMTS850/GSM850 Co-existence Simulation Results for Uplink" (Lucent)

- R4-030913 “UMTS850 and 3G1x Co-existence Simulation Results for Uplink” (Lucent Technologies)
- R4-031035 “Downlink Simulations Results for WCDMA and TIA/EIA-95 Co-existence” (Qualcomm)
- R4-030974 “Options for UARFCN numbering in Bands IV, V and VI” (Ericsson)
- R4-030940 “Introduction of UMTS 850 requirements (CR286 to 25.101 Rel-6)” (Nokia)
- R4-030941 “Introduction of UMTS 850 requirements (CR 207 to 25.104 Rel-6)” (Nokia)
- R4-030942 “Introduction of UMTS 850 requirements (CR 328 to 25.141 Rel-6)” (Nokia)
- ?? Approved CR’s (R4-031094 – for 25.101 Rel 6, R4-031095 – for 25.104 Rel 6, & R4-031096 – for 25.031096 for 25.141 Rel 6) agreed for channel arrangements for 850 Band (Bands IV, V, & VI)
- ?? Approved performance requirements CR’s: R4-030940 – for 25.101 Rel 6; R4-030941 – for 25.104 Rel 6; R4-030942 – for 25.141 Rel for UMTS-850

List of Completed elements (for complex work items):

- ?? Analysis of existing 850 Cellular band plan – complete
- ?? Simulation assumptions – complete
- ?? In-band Interference scenarios – complete
- ?? Simulations – complete
- ?? Channel numbering - complete
- ?? Determine if additional velocity scaling test points are needed - complete
- ?? Additional consideration of performance requirements for base and mobile stations in 850 MHz. - complete
- ?? Approval of CR’s - complete

List of open issues:

- ?? Final Documentation to be decided by RAN4

Estimates of the level of completion (when possible):

- 100%

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

- The work for UMTS 850 has been completed at this meeting - RAN #22 – December 2003 (WI originally called for completion at RAN#23 - March 2004) A special thanks to: Nokia, Lucent, Motorola, Qualcomm, Ericsson, and all other contributors for helping to get the simulations & work completed in such a timely fashion.

End of Document
