3GPP RAN#21 Meeting   RP-030569
Maui, Hawaii, USA
Tuesday 9th through Friday 12nd of December 2003

Title: **A-GPS Minimum Performance Specification WI Update**
Document for: Review and approval
Source: WI Rapporteur – Donglin Shen – AT&T Wireless Services
Agenda Item 8.3.3

Status Report for WI to 3GPP TSG RAN Plenary #22

Work Item Name: "A-GPS Minimum Performance Specification"

SOURCE: Rapporteur, Donglin Shen, AT&T Wireless Services   **TSG:** RAN WG4

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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:

In TSG RAN #20 meeting, WI on A-GPS Minimum Performance Specification was agreed. Since then, the work has been progressing through both E-mail discussion and TSG RAN WG4 meeting.

In TSG RAN WG4 #29, total 16 contributions were submitted to progress with the WI, which cover various aspects of the work item. A draft standalone specification for A-GPS was jointly prepared and submitted by Motorola, Nokia, Nortel and Siemens for discussion and comments. It is a general agreement that a standalone A-GPS performance specification is needed. All other contributions are still focusing on the requirements of A-GPS minimum specification, such as test scenarios or possible channel modes that should be considered in A-GPS performance specifications.

Three objectives of the work item were discussed in an Ad Hoc session of RAN4 #29 (R4-031155), which have been agreed to add into a revised WID (RP-030664). A step-by-step working plan proposed by operator has also been agreed and an E-mail discussion reflector has been created for A-GPS specific discussions on e-mail, in order to address the open issues identified during the RAN4 meeting and speed up the WI.

An Ad Hoc meeting on A-GPS performance specification has been proposed between Jan 19 to 21. It has been generally agreed. However, the final decision will be made before 12/21.

List of Completed elements (for complex work items):
- none

List of open issues:
- Alignment of performance requirements and test conditions
- UE test case and test procedure definition
- Location estimate accuracy
- Terminal conformance specification

Estimates of the level of completion (when possible):
- <30%

WI completion date review resulting from the discussion at the working group:
- RAN #24

References to WG's internal documentation and/or TRs (within this package):

[1] R4-030458   Proposed Requirement for AGPS Minimum Performance Specification Development, AWS, Nokia, China Mobile, Siemens, Ericsson, Rogers Wireless, Cingular and Nortel

[2] R4-030661   A proposal for the definition of A-GPS requirements, Telecom Italia Mobile
[3] R4-030832   UE based A-GPS performance requirements for 3GPP, Motorola, Nokia, Siemens and Ericsson
[4] R4-030800   A-GPS Minimum Performance Requirements and Testing Aspects, Qualcomm
[5] R4-030737   GPS/AGPS Variables, 3
[6] R4-030738   GPS/AGPS Classifications (discusses various classifications for GPS/AGPS), 3
[7] R4-030782   Harmonization for A-GPS performances, Nortel
[8] R4-030902   Channel model requirement for AGPS performance test, Huawei
[9] R4-030938   GPS measurement Issues, Three
[10] R4-030995   Performance Evaluation of UE-assisted A-GPS, Qualcomm
[11] R4-030996   E-Mail discussion summary of A-GPS performance specs, AWS
[12] R4-031015   Comparison of AGPS Field results and AWGN Simulation Results, Lucent
[13] R4-031017   Realistic scenarios for testing GPS in phones, Philips
[14] R4-031024   A-GPS Testing in Multipath Environment, Elektrobit Ltd.
[15] R4-031057   Performance requirements for AGPS, Ericsson
[16] R4-031082   New TS, AGPS performance requirements, Lucent, Nortel, Siemens, Nokia, Motorola
[17] R4-031083   AGPS performance requirements coversheet, Lucent, Nortel, Nokia, Siemens, Motorola
[18] R4-031139   Proposed objective and way forward on AGPS, ATT
[19] R4-031142   AGPS performance specification - talking points and next steps, SiRF Technology
[20] R4-031144   Requirements for support of AGPS; draft specification, Philips
[21] R4-031145   New TS, AGPS performance requirements, Philips
[22] R4-031152   Meeting report of AGPS performance requirements Ad Hoc, Nokia
[23] R4-031155   Proposed Objectives and Work Plan on A-GPS Performance Specification, AWS, 3, TIM, Roger and Cingular

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