

3GPP RAN#24 Meeting

RP-040150

Seoul, Korea

Wednesday 2nd through Friday 4th of June 2004

Title: A-GPS Minimum Performance Specification WI Update
Document for: Review and approval
Source: WI Rapporteur – Donglin Shen – AT&T Wireless Services
Agenda Item 8.4.2

Status Report for WI to 3GPP TSG RAN Plenary #24

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

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

TSG: RAN

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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:

One RAN4 meeting (RAN4 #31) was hold after RAN #23. A-GPS performance specification is one of the major topics in the meeting. Total 20 A-GPS performance related documents were submitted in the meeting, which cover all aspects of the work item.

During the meeting, the baseline document structure for A-GPS minimum performance specification (25.171) has been agreed (R4-040387) and other two documents (R4-040233 and R4-040362) have also been presented as input documents for the final agreement on test conditions and performance values. Discussions on the actual requirements are ongoing to have as much progress as possible until the next meeting.

Nortel's proposal for "Minimum Assistance data IE's for the A-GPS test cases" - R4-040364 has been agreed and will be included in updated version of 25.171.

Considering only one RAN4 meeting left before September RAN plenary meeting, the completion of the work item is facing the risk of further delay to RAN #26. In order to keep up with the schedule, 2nd A-GPS Ad Hoc meeting has been proposed in late June or early July of 2004. We need to make a decision in this meeting.

List of Completed elements (for complex work items):

- ?? 25.171v0.0.0 baseline document structure

List of open issues:

- ?? Alignment of performance requirements and test conditions
- ?? UE test case and test procedure definition
- ?? Location estimate accuracy
- ?? Response time/TTFF/TTSF requirements
- ?? Terminal conformance specification

Estimates of the level of completion (when possible):

- o <40%

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

- o RAN #25

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
- [24] R4AH-04005 TS 25.xxx Requirements for support of A-GPS (FDD) (Revision of R4-031156), Motorola
- [25] R4AH-04011 Status Report for WI to 3GPP TSG RAN4 A-GPS Ad Hoc Meeting, AWS
- [26] R4AH-04018 Background for the draft specification proposed in R4-031156, Several companies
- [27] R4AH-04004 Issues for Consideration in Establishing A-GPS Performance Criteria, SiGe
- [28] R4AH-04006 A-GPS performance parameters , Philips
- [29] R4AH-04017 Proposal for A-GPS Realistic Scenario Performance Requirements for 3GPP, Sprient
- [30] R4AH-04023 A-GPS sensitivity requirement, Philips
- [31] R4AH-04008 A-GPS sensitivity and node B time stamping accuracy, Ericsson
- [32] R4AH-04007 Handset Classifications, Three
- [33] R4AH-04009 Definition of performance classes of A-GPS capable UEs, Ericsson
- [34] R4AH-04012 Information on service requirements for A-GPS Performance, DoCoMo
- [35] R4AH-04013 Discussion on A-GPS performance class for 3GPP, DoCoMo
- [36] R4AH-04020 A-GPS performance type, Motorola
- [37] R4AH-04022 Operators proposal for A-GPS minimum requirements, TIM
- [38] R4AH-04014 Proposal for required assistance data IE's in the test cases, Qualcomm
- [39] R4AH-04015 Proposal for message sequence charts for UE-assisted A-GPS, Qualcomm
- [40] R4AH-04016 Proposal for general measurement parameter definition, Qualcomm
- [41] R4AH-04019 Text correction to R4-031156, Motorola
- [42] R4AH-04024 A revision of R4AH-04005, Operators
- [43] R4AH-04025 Latest draft version of TS, Editor
- [44] R4AH-04026 Latest draft version of TS with additional editorial corrections, Editor
- [45] R4AH-04021 LS to RAN 2 and T1 on new message and mis-alignment of satellite sequence, Adhoc
- [46] R4-040008 Document list and notes from the AGPS Ad Hoc (28-29 Jan 2004), AGPS AH Chairman
- [47] R4-040025 Proposal for Assistance Data IE for UE-based and UE-assisted test cases, SiGe
- [48] R4-040083 Introduction of A-GPS background information to TR25.942, Nokia
- [49] R4-040095 Background for the draft A-GPS specification, Philips
- [50] R4-040099 Proposed way forward on A-GPS testing Discussion, Vodafone
- [51] R4-040104 TS25.XXX Requirements for support of A-GPS (FDD), Motorola

- [52] R4-040107 AGPS measurements in various environments. Number of visible satellites, Globalocate
- [53] R4-040114 An operator's proposal for AGPS minimum requirements, Telecom Italia
- [54] R4-040115 A revision of TS on requirements for support of AGPS, Telecom Italia
- [55] R4-040127 Option for testing TTFF, Ericsson
- [56] R4-040133 GPS satellite signal strength measurement in different environments, Motorola
- [57] R4-040221 A-GPS Minimum Performance Spec Ways Forward, SiRF
- [58] R4-040233 A-GPS specification update to R4-040169, Motorola
- [59] R4-040234 Operators requirement for A-GPS performance specification, AWS & Others
- [60] R4-040235 Proposed Solution to Accuracy test with operational scenarios, AWS
- [61] R4-040253 Some Vodafone A-GPS test results and comments, Vodafone
- [62] R4-040268 Performance Evaluation for UE-assisted A-GPS, Qualcomm Europe
- [63] R4-040269 Assistance Data IEs for the A-GPS test cases, Qualcomm Europe
- [64] R4-040284 Mapping of A-GPS specifications, Philips
- [65] R4-040285 Update of indoor measurement results, Philips
- [66] R4-040305 Requirement for AGPS performance in different states, Ericsson, Motorola, Nokia, Siemens
- [67] R4-040308 Examples of GPS signal power measurements, Nokia
- [68] R4-040310 GPS satellite strength measurements in indoor environment, Motorola
- [69] R4-040313 Proposal for minimum set for assistance data in the AGPS test cases: UE based case, Nortel, Nokia, Ericsson, Lucent, Siemens, Motorola
- [70] R4-040361 Progressing towards an agreed A-GPS specification, AWS
- [71] R4-040362 A-GPS specification structure update to R4-040233, AWS
- [72] R4-040363 A-GPS specification structure and content update to R4-040233, Philips
- [73] R4-040364 Minimum assistance data set for AGPS test, Nortel
- [74] R4-040378 Objectives of the AGPS specification tests, Philips
- [75] R4-040386 A-GPS specification structure update to R4-040233, AWS
- [76] R4-040387 A-GPS specification structure update to R4-040233, Philips