

Status Report for WI to TSG

Work Item Name: UE Performance Requirements for MBMS

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 this period a RAN4 MBMS phone conference was held 18th of March, a RAN4 MBMS and Enhanced Uplink adhoc, RAN 34bis, was held in Sophia Antipolis 4th – 6th of April and the RAN4#35 meeting in Athens have been held.

During the RAN4 MBMS phone conference 5 contributions were presented. The topic of the phone conference were alignment simulation assumptions and results for MTCH and MCCH. The report from the phone conference is found in R4AH-050019

During the RAN4 MBMS and Enhanced Uplink adhoc, RAN 34bis, 16 contributions were presented on MBMS. The main topic was continued work on the MBMS alignment simulations. During the meeting a joint RAN4/SA4 meeting was held discussing the application layer coding. Simulations based on the agreed assumptions during the adhoc meeting have been performed and a LS was sent to SA4 from the RAN4#35 meeting.

During RAN4#35, 15 contributions on MBMS performance requirements were handled. Four topics related to MBMS performance were discussed in the contributions:

- Conclusions of the alignment simulations
- Proposals for performance testcases and simulation assumption for the testcases.
- Proposals RRM requirements in 25.133, handling of intra- and inter-frequency measurements.
- The simulation results based on the joint RAN4/SA4 meeting.

The new proposed requirements were discussed during an adhoc meeting.

An offline meeting was held during the RAN4#35 meeting where agreements of the scenarios for the performance requirements were agreed. The conclusions of the offline meeting can be found in R4-050575.

It was also proposed in the plenary by an operator to increase the test coverage of MBMS compared with the plan today within the work item. The proposed items to study include e.g. a more comprehensive coverage of MBMS channel configurations and propagation conditions performance requirements. There were no agreements regarding this proposal but it was noted that in case the proposal is agreed, the completion date will be affected.

List of Completed elements (for complex work items):

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List of open issues:

Agreements on the MTCH and MCCH simulation assumptions are not finalised. Will be done over the email reflector.

MTCH performance requirement simulations not finalised.

MCCH performance requirement simulations not finalised.

Simulations for RRM requirements are not finalised.

Estimates of the level of completion (when possible):

40%

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

TSG RAN #29, September 2005

References to WG's internal documentation and/or TRs:RAN4#35

R4-050327	Collection of Simulation results for MBMS	Information	Ericsson	
R4-050328	Text proposal for 25.101 on MBMS	Approval	Ericsson	
R4-050389	MBMS simulation results	Discussion	Siemens AG	
R4-050390	Impact of inter-frequency and inter-RAT measurements on MBMS reception	Approval	Siemens AG	
R4-050417	MBMS requirement scenarios	Approval	Nokia	
R4-050419	Collection of results for SA4 simulations of MBMS	Information	Ericsson	Ericsson
R4-050430	MTCH Simulation Results	Discussion	Qualcomm	
R4-050431	MCCH Simulation Results	Discussion	Qualcomm	
R4-050440	MBMS selective and soft combining simulation results	Discussion		
		Samsung		
R4-050472	Simulation results for MBMS	Discussion	Lucent Technologies	
R4-050511	MTCH simulation results	Discussion	Fujitsu	
R4-050512	MCCH simulation results	Discussion	Fujitsu	
R4-050563	Compilation of simulation results for MBMS	Information	Ericsson	
R4-050575	Minutes from the MBMS Ad Hoc	Information	NEC	

RAN4#34bis

R4AH-05005	MBMS selective combining simulation results		Samsung	
R4AH-05010	MBMS/PSC/PSS Simulation Methodology for Application Layer Codecs			
		Qualcomm		
R4AH-05019	MBMS Phone Conference Summary		Ericsson	
R4AH-05025	SA4 FEC simulation assumptions		Digital Fountain	
R4AH-05030	MCCH Simulation Results		Siemens	
R4AH-05031	MTCH Simulation Results		Siemens	
R4AH-05032	Impact of MBMS Measurement Gaps		Siemens	
R4AH-05037	MBMS simulation results		Nokia	
R4AH-05041	MTCH Simulation Results and Discussion for Selection Combining			
		Panasonic		
R4AH-05042	MCCH Simulation Results		Panasonic	
R4AH-05048	MTCH simulation results		NTT DoCoMo	
R4AH-05051	Simulation guidelines for the evaluation of FEC methods for MBMS download and streaming services		Nokia	
R4AH-05052	SA4 description of FEC schemes and simulation work		Nokia	
R4AH-05053	MBMS Simulation Results		Ericsson	
R4AH-05059	MCCH and MTCH Simulation Results		Motorola	
R4AH-05063	Summary of joint RAN4-SA4 offline meeting		Ericsson	