

TSG-RAN Meeting #19
Birmingham, UK
11th – 14th March 2003

RP-030015

Title: Proposed Update of Work Item Description sheet on: “**Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN**”
Document for: Approval
Source: WI Editor- Nokia
Agenda Item 9.5.1

Introduction

The following changes are proposed to the RAN MBMS WID (latest version RP- 020444, from RAN#16):

1. Addition of new MBMS WIs in section 2.
2. 2ndary resp. WGs have been adjusted in section 10.
3. MBMS RAN TR and TS numbers and names have been updated in section 10.
4. Estimated date of WI (stage-2 and stage-3) completion has been added in section 10.
5. Adjustment of TR 25.992 presentation to RAN plenary for info and approval dates in section 10.
6. Addition of parent feature name in section 14.

Work Item Description

Title: Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

-TSG SA WG1 WI title: "**Enhancement of Broadcast and Introduction of Multicast**"

=> TS 22.146: "Multicast Broadcast Multimedia Service (MBMS)-Stage 1"

-TSG SA WG2 WI title: "**Multimedia Broadcast/Multicast Service Architecture**"

=> TRS 23.846: "Multimedia Broadcast/Multicast Service; Architecture and Functional Description- Stage 2"

=> TS 23.246 "Multimedia Broadcast/Multicast Service (MBMS); Architecture and Functional Description"

-TSG CN WG1 WI title "**Support of the Multicast Broadcast Multimedia Service (MBMS) in CN protocols**"

=> TR 29.846, "Multimedia Broadcast Multicast Service; CN1 Procedure Description (Rel-6)": ~~Approved during CN1#23 (in Tdoc N1-020739)~~

- TSG GERAN WI title "**Support of the Multimedia Broadcast Multicast Service (MBMS) in GERAN**"

- TSG SA3 WI title: "**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**"

=> TS 33.246 " Security of Multimedia Broadcast/Multicast Service "

- TSG SA4 WI: expected to be generated to address codec issues for MBMS.

~~More WIs could be generated during the course of 2002.~~

3 Justification

TSG SA1 has been working on the service requirements of MBMS which is a new bearer service. TS 22.146 is the specification for the MBMS service requirements defined by TSG SA WG1.

TSG SA2 has already started discussions (SA WG2 #20 meeting) on the architectural issues of MBMS.

The intention of this WI is to address the RAN issues and required changes in order to accommodate MBMS.

4 Objective

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The objective of this WI is to analyse and provide the necessary changes and additions required for the efficient support of MBMS in the current RAN specifications. Some possible study areas are listed below:

- analysis and creation/modification of UTRAN functions needed to be standardized for the efficient support of MBMS
- impact on the logical/transport/physical channels
- impact on the radio interface protocols
- impact on the “MBMS context” concept on RAB signalling
- impacts on Iu-b and Iu-r and Iu-ps
- decision making process between point-to-point or point-to-multipoint configurations needed for MBMS Multicast mode
- interaction between MBMS and Iu-flex
- security aspects

5 Service Aspects

Multimedia Broadcast and Multicast service capabilities have been introduced.

6 MMI-Aspects

None

7 Charging Aspects

It shall be possible to charge the receiver of the MBMS multicast mode.

8 Security Aspects

It shall be possible to secure multicast.

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X	X	X	
No	X				
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. WG	2 nd ary resp. WG(s)	Presented for endorsement at plenary#	Approved at plenary#	Comments
TR 25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN.	R2	R3, R1, GERAN2 R4	RAN #19 7	RAN #20 18	New Technical Report
TS 25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (Stage-2)	R2	R3	RAN #20	RAN#20	New Technical Specification
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

[Estimated date of RAN MBMS WI completion \(stage-2 and stage-3\): September 2003.](#)

11 Work item rapporteurs

Nokia (Dimitris Koulakiotis)

12 Work item leadership

TSG-RAN WG2

13 Supporting Companies

Nokia, Nortel Networks, Siemens, Samsung, Ericsson, Vodafone Group, 3

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

[14b The WI is a Building Block:](#)

[This WI is a building block part of the SA1 "Multimedia Broadcast and Multicast Service" feature.](#)