3GPP TSG-CN Meeting #25 **NP-040369**
8th – 10th September 2004. Palm Springs, USA.

Source:	**TSG CN WG1**
Title:	**MBMS WID Update**
Agenda item:	**9.8**
Document for:	**APPROVAL**

This document contains **the update of MBMS WID** that has been agreed by TSG CN WG1 CN#35 meeting and forwarded to TSG CN Plenary meeting #25 for approval.

TDoc #	Tdoc Title	Type	WI	Status
N1-041621	MBMS WID Update	WID	MBMS	AGREED

3GPP TSG-CN1 Meeting #35 Tdoc N1-041621
Sophia Antipolis, France, 16-20 August 2004

Source: CN1

Title: MBMS WID Update

Agenda item: 7.3

Document for: APPROVAL

Introduction

Attached is an updated version of the MBMS WID based on the latest approved version, i.e. NP-030422. The changes are as follows:

- The Linked work items clause is updated
- The completion date has been moved to September 2004 (CN#25) for CN1 and CN4 related work and to September 2004 (CN#25) for CN3.
- New rapporteur of TR 29.846.
- The MBMS security aspects are added.
- New specifications are added as affected by the MBMS WID.

This version of the WI has been reviewed and endorsed by CN1, CN3 and CN4 for their respective areas.

Work Item Description

Title

Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

Multimedia Broadcastand Multicast Service – Stage 1, 2545
Multimedia Broadcast Multicast Service Architecture, 32703
Introduction of MBMS in RAN, 2481
Support of MBMS in GERAN, 50085
Security aspects of Multimedia Broadcast/Multicast Service (MBMS), 3308

3 Justification

The specification of MBMS stage 1 is complete and stage 2 is well advanced. The work should now be started in CN groups to support this functionality.

4 Objective

The objectives of this work item:

- To define and develop the Radio layer 3 and CN signalling protocols to support MBMS to facilitate broadcast of multimedia services in a wireless network
- To allow handover between RNS's of terminals currently receiving an MBMS transmission.
- To ensure efficient use of network resources when sending multimedia information to multiple users.

5 Service Aspects

MBMS should allow users to select one of a number of broadcast/multicast information sources, and to share with other users the network resources used to deliver that information.

Service level aspects are agreed in TS 22.146.

Architectural aspects are covered in TS 23.246.

6 MMI-Aspects

None – out of scope of this work item.

7 Charging Aspects

The ability to charge for access to, and use of, MBMS services shall be supported.

8 Security Aspects

Any MBMS solution must provide a secure procedure to gain access to MBMS information.
The security aspects of MBMS are defined by SA3. CN1 has to satisfy the security requirements on MBMS security that impact CN1 protocols given in TS 33.246.

9 Impacts

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

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

The results of this Work Item shall be provided in a Technical Standard or CRs to existing Technical Standards.

The following Work Plan is proposed.

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
29.846	Multimedia broadcast / multicast service; CN1 procedure description	CN1			CN #25 (Sep. 2004)	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
24.008			CN #25 (September 2004)	Specialised PDP context for broadcast/multicast media streams is envisaged.
24.109			CN #26 (December 2004)	MBMS security.
29.060			CN #25 (September 2004)	Specialised PDP context for broadcast/multicast media streams is envisaged.
29.061			CN #25 (September 2004)	Gmb interface protocol and messages.
23.003			CN #25 (September 2004)	Definition of new data structure(s) for MBMS, e.g. TMGI, is envisaged.
24.007			CN #25 (September 2004)	Definition and/or modification of primitives and/or interfaces between the MS and network within the 3GPP system because of MBMS seem to be needed.
44.065			CN #25 (September 2004)	Update of SNDCP.

Affected existing or new IETF specifications				
Spec No.	CR	Subject	Approved at plenary #	Comments

11 Work item rapporteurs

Christian Herrero – Ericsson
christian.herrero@ericsson.com

12 Work item leadership

CN1

13 Supporting Companies

3, Lucent Technologies, Samsung, Nokia, Ericsson, Siemens, NTT DoCoMo

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

MBMS, 2544

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a feature)

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No	X		X		X
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Christian Herrero – EricssonKevan Hobbis (3)
christian.herrero@ericsson.comkevan.hobbis@three.co.uk

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MBMS, 2544

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