3GPP TSG CN Plenary Meeting #19   **NP-030151**
12th - 14th March 2003. Birmingham, U.K.

Source: **CN1**

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

Agenda item: **9.8**

Document for: **Approval**

3GPP TSG-CN1 Meeting #28   *Tdoc N1-030275*
Dublin, Ireland,   10 – 14 February 2003

Source: 3

Title: **MBMS WID Update**

Agenda item: **8.2**

Document for: **Approval**

Introduction

Attached is an updated version of the MBMS WID. It has been updated to reflect the new SA2 Technical Specification defined for MBMS, along with changes to the time lines.
It is proposed to submit the WID to TSG CN#19 for approval.

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 Broadcast Multicast Service Architecture,32703 — SA
Enhancement of Broadcast and Introduction of Multicast Capabilities — RAN
Introduction of MBMS in RAN, 2481
Support of MBMS in GERAN, 50085

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 TR 23.846. 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.

9 Impacts

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

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				
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
24.008					CN #22 ~~118~~	Specialised PDP context for broadcast/multicast media streams is envisaged.
29.060					CN #22 ~~118~~	Specialised PDP context for broadcast/multicast media streams is envisaged.
29.061					CN #22 ~~118~~	Not defined what work is necessary yet.
Affected existing or new IETF specifications						
Spec No.	CR	Subject			Approved at plenary #	Comments

11 Work item rapporteurs

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12 Work item leadership

CN1

13 Supporting Companies

~~Hutchison 3G~~3, Lucent Technologies, Samsung, Dynamicsoft, 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)