

Title: Proposed Work Item description sheet on “Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN”
Document for: Approval
Source: Nokia,
Agenda Item 9.9

Work Item Description

Title: Enhancement of Broadcast and Introduction of Multicast Capabilities 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**"

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

The objective of this WI is to analyse and provide the necessary changes and additions required in the current RAN specifications.

- Analysis and enhancement of optimized solutions over the air interface for support of MBMS.
- Analysis and enhancement of the existing interfaces needed to support MBMS.
- Analysis and creation/modification of UTRAN functions needed to be standardized for the support of MBMS.

5 Service Aspects

Multicast service capabilities are introduced.

6 MMI-Aspects

None

7 Charging Aspects

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

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 information at plenary#	Approved at plenary#	Comments
TR	Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN	R2	R3, R1, R4	RAN #16	RAN #17	New Technical Report
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.301						
25.302						
25.304						
25.306						
25.321						
25.322						
25.324						
25.331						
25.419						

11 Work item rapporteurs

Nokia (Dimitris Koulakiotis)

12 Work item leadership

TSG-RAN WG2

13 Supporting Companies

Nokia, Siemens, Samsung Electronics Research Institute,

14 Classification of the WI (if known)

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