# Technical Specification Group Services and System Aspects \*\*Meeting #12, Stockholm, Sweden, 18-21 June 2001\*\* \*\*TSGS#12(01)0268\*\* \*\*

Source: SA1

Title: WIs for approval from SA1

**Document for:** Approval

Agenda Item: 7.1.3

# TSG-SA WG 1 (Services) meeting #12 Helsinki, Finland, 7-11 May 2001

TSG S1 (01) 546 Agenda Item:

Title: Work Item Description for Release 5: Pre-pay/real-time charging in IM

subsystem [WI for Building Block]

Source: Ericsson

Purpose: SA1 : For Approval

This contribution proposes the Work Item Pre-pay/real-time charging in IM subsystem.

# **Work Item Description**

## Pre-pay/Real-time charging for IMS

#### 1 3GPP Work Area

	Radio Access
X	Core Network
X	Services

#### 2 Linked work items

-

#### 3 Justification

As IP Multimedia services are expected to generate considerable revenue streams for operators it is necessary to provide efficient mechanisms for charging (especially for real-time/prepaid charging) encompassing session level information from the IM subsystem.

#### 4 Objective

As Pre-pay/real-time charging is already available in both CS and PS domain the objective of this WI is to define the charging requirements for IM subsystem to support pre-paid/real-time charging

### 5 Service Aspects

None

#### 6 MMI-Aspects

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Affect	ts:	USIM	ME	AN	CN	Other	rs				
Yes					X						
No		X	X	X		X					
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# 14 Classification of the WI (for TSG-SA1)

**Supporting Companies** 

TSG-SA1

Ericsson, ...

13

None

X	Feature (go to 14a)
	Building Block (go to 14b)

	Work Task (go to 14c)
14a	The WI is a Feature: List of building blocks under this feature
	Requirements for prepaid charging in IMS
14b	The WI is a Building Block: parent Feature
14c	The WI is a Work Task: parent Building Block

S1-010578

Title: Proposed Work Item description sheet on "Enhancement of Broadcast

and Introduction of Multicast"

Document for: Approval

Source: Broadcast MM adhoc

## **Work Item Description**

#### **Title**

Enhancement of Broadcast and Introduction of Multicast

#### 1 3GPP Work Area

X	Radio Access
X	Core Network
X	Services

#### 2 Linked work items

RAN Workitem (agreed conditional on stage 1 and stage 2 availability): Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN

Work is also needed in other SA, T, CN and GERAN working groups.

#### 3 Justification

In Rel-99, service continuity regarding Cell Broadcast Service was implemented, but other point-to-multipoint services or applications are not covered. The intention of this WI is to provide SA1 requirements for Broadcast and Multicast services.

With increasing use of high bandwidth applications in third generation mobile systems, especially with a large number of users receiving the same high data rate services, efficient information distribution is essential. Thus, broadcast and multicast are promising techniques to decrease the amount of data within the whole network and use the resources more efficiently.

During the SA plenary #11, TSG RAN asked for guidance from SA regarding a proposed WI on the Enhancement of Broadcast and Introduction of Multicast Capabilities in UTRAN. It was noted that TSG SA had no Work Item on this subject, and it was agreed that the issue would be postponed until a related WI was produced in TSG SA (SA WG1).

#### 4 Objective

The objective of this WI is to analyse the service requirements and provide the necessary changes and additions required in the current SA1 specifications.

- General description of Broadcast and Multicast
- Definition of broadcast and multicast service capabilities
- Service areas
- QoS on broadcast and multicast services
- Multimedia support, Codecs

- Charging aspects
- Security aspects
- Roaming, Service availability and continuity
- Connectivity to external networks
- Optimized routing

## 5 Service Aspects

Broadcast and Multicast shall enable operators to distribute the same services to several users in an efficient way within their network.

## 6 MMI-Aspects

FFS.

## 7 Charging Aspects

Charging aspects have to be considerd.

## 8 Security Aspects

Transport and content security aspects have to be covered.

## 9 Impacts

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

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

	New specifications						
Spec No.	Title		Prime rsp. WG		Presented for information at plenary#	Approved at plenary#	Comments
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Spec No.	CR	Subject			Approved a	t plenary#	Comments

## Work item raporteurs

Hutchinson 3G UK

## Work item leadership

TSG-SA WG1

# 13 Supporting Companies

Hutchinson 3G/Omnitel/Siemens/Bamboo MediaCast/NTT DoCoMo/France Telecom/Mannesmann Mobilfunk/Nokia

# 14 Classification of the WI (if known)

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