Source:	**Ericsson, Telia, Telenor, Vodafone**
Title:	**Prepaid/Online Charging Work Item**
Document for:	**Decision**
Agenda Item:	**7.11**

Introduction

The attached and revised prepaid/online charging WI proposal (S2-010600) was discussed at the TSG SA/WG2#17. There was general support for the work item, but it was agreed it should be submitted to TSG SA#11 for guidance on the distribution of work between the different working groups.

Proposal

It is proposed that TSG SA#11 endorse the following work split:

TSG SA/WG1: Defines the service requirements for prepaid/online charging (e.g. support for content based charging, charging models to be supported)

TSG SA/WG2: Performs the initial architecture analysis (i.e. drafts the first high level stage 2)

TSG SA/WG5: Specifies the detailed stage 2 (i.e. detailed information flows and the contents of the "CDRs")

If the proposed work split is accepted, updated WI sheets will be submitted to SA1, SA2 and SA5.

3GPP TSG-SA2 Meeting
Göteborg, Sweden, 26ᵗʰ February – 2ⁿᵈ March 2001

Title:	**Work Item Description for Release 5: Pre-pay/real-time charging in IM subsystem [WI for Building Block]**
Source:	**Ericsson**
Purpose:	**SA2 : 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 architecture for IM subsystem to support pre-paid/real-time charging

5   Service Aspects

None

6   MMI-Aspects

None

7   Charging Aspects

Yes

8   Security Aspects

Charging data should be secured.

9   Impacts

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

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

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
23.xxx	~~Charging~~ Prepaid architecture for IP multimedia subsystem	~~TSG~~ SA2	~~TSG~~ SA5	~~TSG~~ SA#12	~~TSG~~ SA#13	
~~32.xxx~~	~~Charging data for IP multimedia subsystem~~	~~TSG SA5~~		~~TSG SA#12~~	~~TSG SA#13~~	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
22.115						IP multimedia subsystem requirements
32.105						IP multimedia subsystem aspects
23.228						IP multimedia subsystem aspects
23.002						Network architecture aspects
32.xxx		Charging data for IP multimedia subsystem (~~editoriell comment~~note: such a document is still to be created, but it is part of ~~(supplementary)~~ the work item on charging data for IP multimedia.		TSG SA#13		

11   Work item raporteurs

Ericsson

12   Work item leadership

TSG-SA2

13   **Supporting Companies**

Ericsson, Siemens, KPN, Telia, Telenor, Vodafone …

14   **Classification of the WI (for TSG-SA1)**

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

15   **Classification of the WI (for TSG-SA2)**

	Feature (go to 15a)
X	Building Block (go to 15b)
	Work Task (go to 15c)

15a   The WI is a Feature: List of building blocks under this feature

15b   The WI is a Building Block: parent Feature

Prepaid Charging architecture for IMS

15c   The WI is a Work Task: parent Building Block

16   **Classification of the WI (for TSG-SA5)**

	Feature (go to 16a)
	Building Block (go to 16b)
X	Work Task (go to 16c)

16a   The WI is a Feature: List of building blocks under this feature

16b   The WI is a Building Block: parent Feature

16c   The WI is a Work Task: parent Building Block

Call, event, prepaid charging data for IMS