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**Source:** Lucent Technologies  
**Title:** New Feasibility study on ~~Adding media~~Combining ~~to~~ CS calls and IMS sessions (Building Block) (revision of SP-040305)  
**Document for:** Approval  
**Agenda Item:** 7.1.3

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### Work Item Description

Title

Feasibility Study on ~~Adding media to~~Combining CS calls and ~~IPMM~~IMS sessions

**1** 3GPP Work Area

	Radio Access
X	Core Network
X	Services

**2** **Linked work items**

*(list of linked WIs)*

**3** **Justification**

From an end-user point of view, one of the possible fast deployment scenarios for ~~IP-MM~~IMS services is to build on existing service such as CS ~~voice~~ calls and enhance it by adding ~~multimedia components~~IMS sessions.

As an example, the user may want to send a picture while on a voice call. Or alternatively, the user may want to add a voice call to a chat session, e.g. to speak to a ~~n-anonymous~~ member of the chat room.

The purpose of the Work Item ~~proposed below~~ is to make such adding of media simple from user point of view and manageable from an operator point of view.

In addition, the purpose of this Work Item is to assure a single, interoperable solution for adding media to CS-~~voice~~ calls and ~~IPMM~~IMS sessions including terminals, infrastructure and services from various vendors.

It is assumed that the proposed solution will have no or very minor impact on existing CS and ~~IP~~MMIMS services and infrastructure

**4** **Objective**

The objective is to study solutions ~~standardise a solution~~ for adding ~~IP-media~~IMS sessions

~~(picture, video, clip, file...)~~ to a CS-voice call or a CS-voice call to an IP-MMIMS session.

~~The first step is to conduct a feasibility study on the rRequirements, possible solutions; and their tradeoffs, as well as user experience will be analysed during the study. Subsequent steps (e.g. the production of a TS and/or CRs; stage 2 and 3; and any other work) should be identified during the concluding phases of the feasibility study.~~

## 5 Service Aspects

If the address to the other party is already available (e.g. the user already entered a MSISDN) then the reuse of the existing address for the added media should be investigated.

In order to minimise trial-and-error, negotiation and verification of the ability to add a particular medium in both terminals and in their ir respective serving mobile networks before offering the service to the user should be investigated.

Impacts of Supplementary Services during a multimedia session should be investigated.

~~Negotiation of capabilities for two users registered in different PLMN's and to add media to an ongoing call/session should be investigated.~~

## 6 MMI-Aspects

None presently identified

## 7 Charging Aspects

The possibility to charge services, which combine CS callsvoice with IP-IMS media sessions at premium or at a discount, compared to aggregating the individual charges of CS call and IP MMIMS sessions should be investigated.

The disconnection of both CS calls and IP-IMS media sessions when exhausting a prepaid account should be investigated.

## 8 Security Aspects

The restriction and disclosure of terminal capabilities should be investigated.

**Note:** Adding a medium might require separate authorisation.

## 9 Impacts

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

**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
TR 22.abc	TR on combined CS <del>calls and /IPMM</del> <del>services</del> IMS sessions	SA1		SA#25 <del>6</del>	SA#26 <del>7</del>	
<a href="#">TR 23.899</a>	<a href="#">Report on Alternative Architectures for Combining CS Bearers with IMS</a>	<a href="#">SA2</a>		<a href="#">SA#25</a>	<a href="#">SA#26</a>	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
		TBD				

**11 Work item rapporteurs**

TBD

**12 Work item leadership**

SA1

**13 Supporting Companies**

Ericsson, Vodafone, Telecom Italia, TeliaSonera , Orange, [Telefonica](#), [NEC](#)

**14 Classification of the WI (if known)**

The WI is a Feasibility Study

	Feature (go to 14a)
<a href="#">x</a>	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

[Feasibility Study on IMS with real time services deployments](#) ~~(one Work Item identified as a feature)~~

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

(one Work Item identified as a building block)

form change history:  
2002-07-04: "USIM" box changed to "UICC apps"