Source:	**SA1**
Title:	**Update of WI for Combined CS Calls and IMS Sessions**
Document for:	**Approval**
Agenda Item:	**7.1.3**

3GPP TSG-SA1 Meeting #28.
Beijing, China, 4th – 8th April 2005

Tdoc S1-050515

Source:	**SA1 SWG CSICS**
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Title:	**Revised WID for Combining CS and IMS services & Capability Detection and Exchange mechanism**
Agenda item:	**Plenary**
Document for:	**APPROVAL**

Following SA1's decision to produce a stage 1 TS for Combinational services (TS22.279), rather than just CRs to existing specifications, and considering the need to reference the new CSI WID recently approved by CT, it is proposed to amend the existing SA WID (SP-050074) to reflect these changes.

Work Item Description

Title

Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism.

1   3GPP Work Area

	Radio Access
	Radio Access
X	Core Network
X	Services

2   Linked work items

Feasibility Study on IMS services using CS bearers (SP-040479)
Combining CS and IMS services & Capability Detection mechanism, CT (NP-050063)

3   Justification

The current TR22.979 and TR 23.899 havehas been progressed substantially so that the specification of combining CS and IMS services can be initiated. The TR 23.899 concludes a recommended architecture solution to be specified to address the combinational requirements, identified in TR22.979 and being specified in TS22.279, including the identified need for radio/terminal capability exchange.

The specification of CSI Phase 1 is needed to address the urgent market needs to make IMS services available to the end-users. This specification will enable fast deployment scenarios for IMS services that are build on existing service such as CS calls and IMS sessions.

4   Objective

The objective is to elaborate on the stage 1 (based on the details identified in TR 22.979), stage 2 and appropriate CRs to current specifications addressing the details of those CSI phase 1 capabilities as identified in TR 23.899 that are already supported by the current set of specifications or require limited standardization needs. These CSI phase 1 capabilities are:
- Radio capability exchange;
- SIP based terminal capability exchange;
- E.164 number exchange in SIP (if it can be accomplished in time)
- Adding IMS session to an ongoing CS call;
- Adding CS speech call to an ongoing IMS session.

The capabilities shall support interoperability between different operator networks and roaming.

It is assumed that a Building Block Work Item will exist for the stage-3 specification work.

5   Service Aspects

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

6   MMI-Aspects

None presently identified

7 Charging Aspects

Inter-operator accounting and roaming charging aspects will be considered for combined CS calls and IMS sessions.

8 Security Aspects

The restriction and disclosure of terminal capabilities should be investigated.

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes		X		X	
No			X		
Don't know	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
TS 22.279	Combined CS Calls and IMS Sessions	SA1		SA#28	SA#28	Service requirements for combining CS and IMS services
TS 23.279	Combined CS Calls and IMS Sessions	SA2		SA#27	SA#28	Detailed description of combining CS and IMS services and Radio/Terminal capability detection and exchange mechanisms
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
22.228				TS SA#28		Exchange of service capabilities between the UEs
22.115				TS SA#28		Inter-operator accounting and roaming charging aspects will be considered for combined CS calls and IMS sessions
23.228				TS SA#28		Terminal Capability Detection and Exchange
23.221				TS SA#28		Radio Capability Exchange
		Others t.b.d.				

11 Work item rapporteur(s)

Robert Frank, TeliaSonera

12 Work item leadership
SA1

13 Supporting Companies

3, Ericsson, Huawei, Nortel Networks, Orange, TeliaSonera, TIM, Vodafone, Siemens, Nokia, NEC

14 Classification of the WI (if known)

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

Stage 3 Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism.

14b   The WI is a Building Block: parent Feature

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