3GPP TSG CN Plenary Meeting #18 **NP-020572**
4th - 6th December 2002. New Orleans, USA.

Source:	**CN1**
Title:	**Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3**
Agenda item:	**9.11**
Document for:	**APPROVAL**

3GPP TSG-CN1 Meeting #27 ***Tdoc N1-022479***
Bangkok, Thailand, 11 – 15 November 2002

Source:	**ERICSSON**
Title:	**Work Item Description: Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3**
Agenda item:	**8.4**
Document for:	**APPROVAL**

Work Item Description

Title

Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

- Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"
- IMS stage-2 enhancements (specifically the work task on IPv4-IPv6 interworking).
- IMS stage-3 enhancements
- WLAN Interworking – Architecture Definition
- Dynamic Policy control enhancements for end-to-end QoS

3 Justification

Currently the 3GPP Release 5 IM CN subsystem is optimised for the 3GPP UMTS and GSM access networks. However, economies of scale (in terms of hardware, software and application development) should be improved by increasing the commonality of the IM CN subsystem to different "IP-connectivity networks" (including specifically the 3GPP, 3GPP2 and W-LAN systems).

Similarly, it is necessary for users of one system to be able to “phone” (ie make a multimedia call with a speech component) users on another system. At least between 3GPP and 3GPP2 systems, this is currently problematic because the different systems use different transcoders in their mobiles.

4 Objective

To improve the commonality between the IMS systems used by 3GPP, 3GPP2 and that needed for W-LAN.

To ensure that users of the different IM CN subsystems can inter-operate.

The proposed time plan is outlined below. It should be copied into, and maintained within, the 3GPP Work Plan.

Task	**Planned Start**	**Planned Finish**
Work Item Revision	July 2002	Sept 2002
Work Item Approval		Sept 2002
Drafting and discussion, updates of stage 3 specifications	October 2002	July 2003
Submission to TSG CN for approval of stage 3 CRs		September 2003
Stage 3 CRs drafting and discussion	December 2002	September 2003
Possible remaining corrections and clarifications	April 2003	June 2003

5 Service Aspects

As indicated in the objective. These form part of the overall feature WID and not part of this WID.

6 MMI-Aspects

None.

7 Charging Aspects

Charging work is the subject of SA5, which is covered by the overall feature WID, and not part of this WID. However there are charging related parameters within the IM CN subsystem protocols, and any necessary changes to these parameters are covered by this WID.

8 Security Aspects

As yet, none identified, however, SA3 should monitor, and contribute as needed to the ongoing work.

9 Impacts

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

Differences between the above table and that for the feature reflect the reduced scope of CN in this work.

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
24.xyz	Access dependent parts for different access methods	CN1		CN#22(July 2003)	CN#23(September 2003)	Possible new Specification which includes access dependent parts for the different access methods. If determined to be required otherwise these may stay in 24.229 / 24.228.

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
24.229			CN#21(September 2003)	Review access dependent parts and decide best way of delimiting these (e.g. separate specification; or separate clauses within specification)

11 Work item raporteurs

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12 Work item leadership

CN1
Note: this may be amended when the extent of the work in the various CN working groups becomes more apparent.

13 Supporting Companies

Lucent Technologies, Vodafone (UK) Ltd, Siemens, dynamicsoft, Qualcomm, Nokia

14 Classification of the WI (if known)

	Feature (go to 14a)
X	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

(one Work Item identified as a feature)
Interoperability and Commonality between IP Multimedia Systems using different “IP-connectivity Networks”

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

(one Work Item identified as a building block)