

Source: Lucent Technologies
Title: IP Multimedia Core Network Subsystem WID
Agenda item: 7.04
Document for: APPROVAL

Work Item Description

Title

IMS Stage-3 ~~Enhancements~~ IETF Protocol Evolution Alignment (Phase 3)

1 3GPP Work Area

	Radio Access
X	Core Network
	Services

2 Linked work items

Emergency Call Enhancements for IP & PS Based Calls in stage 3 (32045)
Protocol impact from providing IMS services via fixed broadband (32074??????)

3 Justification

In Release 5, the IMS was defined to support IP Multimedia services. The feature set in Release 5 provides a basis for IP Multimedia support. At Release 6 further work was identified. At Release 7 the need for other new capabilities is being identified, and there is still significant ongoing work in IETF that should be documented in relation to its impact on IMS.

4 Objective

The objectives of this work item ~~are is~~ to ensure protocol alignment between 3GPP finalise Stage 3 ~~work on~~ postponed Release 5 and 6 IMS work features and IETF to refine and further develop support of the IP Multimedia services in a wireless network. The areas to be considered are:

1. Review of existing and future ~~additional~~ capabilities provided in SIP by IETF, and provide documentation as whether these capabilities are supported in the IM CN subsystem or not.

In addition to the above listed items, there may be minor technical improvements and enhancements to IMS, not of sufficient significance to be normally covered by a work item, that can be dealt with by this work item. The scope of this WID is protocol alignment, and those capabilities that may lead to new or enhanced IMS applications are not dealt with as part of this WID.

5 Service Aspects

None. Service aspects are covered by other work item descriptions.

6 MMI-Aspects

None. MMI Aspects are covered by other work item descriptions.

7 Charging Aspects

None. Charging Aspects are covered by other work item descriptions. Within release 5 and release 6 there are protocol mechanism providing in support of charging, and these may require enhancement by work areas described by this work item.

8 Security Aspects

None. Security Aspects are covered by other work item descriptions. Within release 5 and release 6 there are protocol mechanism providing in support of security, and these may require enhancement by work areas described by this work item.

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
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
23.218		Review of additional capabilities provided in SIP by IETF, and provide documentation as whether these capabilities are supported in the IM CN subsystem or not		CN#30		
24.229		Review of additional capabilities provided in SIP by IETF, and provide documentation as whether these capabilities are supported in the IM CN subsystem or not		CN#30		

11 Work item rapporteur(s)

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12 Work item leadership

CN1

13 Supporting Companies

Lucent Technologies, [Siemens](#), [Nokia](#), [Ericsson](#), [Infineon](#), [RIM](#), [T-Mobil](#)^{???}

14 Classification of the WI (if known)

X	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)~~ [Building blocks are identified by item list under objective.](#)

14b The WI is a Building Block: parent Feature

~~IHS Phase 3 (?????????)~~

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

(one Work Item identified as a building block)

form change history:
v1.11.0: includes those changes from v1.8.0 agreed at SP-25.
v1.10.0: full circle
v1.9.0: a clean sheet
v1.8.0: includes comments from SA#24
v1.7.0: includes comments from RAN, CN and T #24; also includes i early implementationi data
v1.6.0: includes comments made during review period prior to TSGs#24
v1.5.0: includes comments made at TSGs#23 (Phoenix)
v1.4.0: offered to SA#23 for approval
v1.3.0: offered to CN#23, RAN#23 and T#23 for comments
DRAFT4 v1.3.0: 2004-03-09: Incorporation of comments from Leaders list
DRAFT3 v1.3.0: 2004-02-19: Incorporation of comments from MCC members
DRAFT2 v1.3.0: 2004-01-29: Complete redraft:
v1.2.0: 2002-07-04: "USIM" box changed to "UICC apps"
2003-05-28: spelling of i rapporteuru corrected
2002-07-04: "USIM" box changed to "UICC apps"