3GPP TSG RAN Meeting #28 **RP-050286**
Quebec, Canada, 1 - 3 June 2005

Title	**Work Item Proposal for IMS Call Control**
Source	**3GPP TSG RAN WG5 (Testing)**
Agenda Item	**8.14**

3GPP TSG-RAN5 Meeting #27 **R5-050960**
Bath, UK, April 25th – 29th 2005

Source:	**Motorola, Vodafone, Orange, Telecom Italia, NEC**
Title:	**Proposal for new work item for IMS Call Control**
Agenda item:	**6.1.1**
Document for:	**For Approval**

IMS Call Control Protocol based on SIP forms the basis for many of the IMS applications defined in Rel-6. IMS Call Control Protocol is also required for OMA Push to Talk over Cellular (PoC), which is one of the application enablers year marked for GCF certification in 2005.

IMS Call Control is defined in 3GPP Release 5 specification TS 24.229 IP Multimedia Call Control Protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP). It is proposed that a Release 5 WI for the conformance test aspects of IMS Call Control is created in RAN5.

The current RAN5 work item for IMS WT_40 'Testing for Support of IMS' could specifically cover IMS related functions in UTRAN (e.g. RABs). This new work item for IMS Call Control shall be common to both GERAN and UTRAN. Any conformance tests specified for IMS Call Control shall apply to GSM and UMTS terminals.

IMS/SIP is an extension of IETF SIP specified in RFC 3261. The scope of this work item is to cover conformance test aspects of 3GPP extensions to IETF SIP. ETSI Technical Committee Methods for Testing and Specification (MTS) has developed and published conformance test specification for IETF SIP (RFC 3261) in ETSI TS 102 027. Commercial test tools (TTCN-3) for IETF SIP are available based on ETSI TS 102 027. It is quite possible these test tools could be extended to cover the conformance test specifications developed for 3GPP SIP under this work item.

Work Item Description

WT_60. Conformance Test Aspects – IMS Call Control

1. 3GPP Work Area

	Radio Access
X	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1273	S1	P_F	Provisioning of IP based Multimedia Services
1274	S2	BB	Call control and Roaming to support IMS
2233	N1	BB	SIP Call Control protocol for the IMS
2255	N1	BB	IMS Session Handling; stage 2
1278	N1	BB	IMS Stage 3

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

IMS Call Control based on SIP forms the basis of IMS applications. Conformance test specifications must be developed for IMS Call Control Protocol to verify correct functionality of the UE when operating in an IMS network. This work item enables the conformance testing of IMS Call Control Protocol.

4. Objective

The technical objective of this work item is to provide for conformance testing of the IMS Call Control Protocol.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

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

10.Expected Output and Time scale

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TBD	User Equipment (UE) conformance testing for IMS Call Control	RAN5		TSG RAN#30, Dec 05	TSG RAN#31, March 06	Definition of IMS Call Control Test Cases

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 34.108		Common test environments for User Equipment (UE) conformance testing	TSG RAN#31, March 06	Definition of common test environment for IMS Call Control.
		TBD		

11.Work item rapporteurs

Mr Jacob John, Motorola

12 Work item leadership

TSG RAN5

13 Supporting Companies

Motorola, Vodafone, Orange, Telecom Italia, NEC

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. This WI is a Work task

See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.