Source:	**TSG SA WG2 (S2-042272)**
Title:	**WID on IMS enhancements for NGN**
Agenda Item:	**7.2.3**

Work Item Description

Title: IMS enhancements for NGN

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

none identified

3   Justification

The standardization of the Next Generation Network (NGN) is addressed by a number of SDOs and ITU-T. ETSI TISPAN has liaised to 3GPP their intention to use the 3GPP IMS and was seeking coordination with 3GPP. SA Plenary#23 agreed that 3GPP would support the TISPAN decision to use IMS as a component of NGN.

A Next Generation Network (NGN) architecture is under development, which intends to use the 3GPP IMS. This will embed IMS as the framework for conversational multimedia services for many types of operators. It is expected that some enhancements of the 3GPP specifications will be needed for IMS to meet the NGN requirements.

This work item studies and intends to implement the necessary enhancements to IMS within 3GPP for NGN, as seen appropriate from a 3GPP system perspective. Note that 3GPP intends to evaluate whether those enhancements are expected to be generally useful to IMS when deciding to incorporate them.
Also note that NGN may need to use 3GPP specifications which are not specifically IMS.

4   Objective

This work item is to provide possible architectural enhancements necessary in the 3GPP system to support NGN based on IMS, for NGN release 1 (ETSI TISPAN release 1). Where there are impacts to the IMS core 3GPP intends to develop their specifications to meet the NGN requirements, as seen appropriate from a 3GPP system perspective.

The NGN Requirements, received from other 3GPP OPs and MRPs, shall be considered as well to study the impacts on the IMS.

5 Service Aspects

For NGN requirements, refer to ETSI TR 01016: TISPAN_NGN; Release 1: Release Definition.
NGN requirements impacting 3GPP service requirements within the scope of this Work Item will
have to be analyzed by SA1

6 MMI-Aspects
No MMI aspects are expected in context of this WI.

7 Charging Aspects
For NGN charging aspects, refer to ETSI TR 01016: TISPAN_NGN; Release 1: Release
Definition.
NGN charging aspects impacting 3GPP charging architecture and mechanisms within the scope of
this Work Item will have to be analyzed by SA5.

8 Security Aspects
For NGN security aspects, refer to ETSI TR 01016: TISPAN_NGN; Release 1: Release Definition.
NGN security aspects impacting 3GPP security architecture and mechanisms within the scope of
this Work Item will have to be analyzed by SA3.

9 Impacts

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

10 Expected Output and Time scale (to be updated at each plenary)

Note that an ETSI TISPAN – 3GPP workshop will be held on 22-23 June 2004 from which it is
expected that further details on sections 5-8 will be provided.

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
23.228		Changes to fulfil NGN requirements		#27		
		Other specs may be identified as requiring changes as work progresses e.g. 23.141 for presence				

11 Work item rapporteurs
Steve Tsang-Kwong-U, Orange

12   Work item leadership

SA 2

13   Supporting Companies

Nortel Networks, Siemens, Lucent, Orange, BT, TeliaSonera, Nokia, Ericsson

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

Building Blocks and Work Tasks are anticipated to be identified when the stage 2 is presented "for information".

14b   The WI is a Building Block: parent Feature

(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)