

Source: SA1
Title: Updated IMS group management WI (update of workplan)
Document for: Approval
Agenda Item: 7.1.3

Work Item Description

Title IMS Group Management

1 **3GPP Work Area**

	Radio Access
X	Core Network
X	Services

2 **Linked work items**

IMS, Presence, IMS Messaging

3 **Justification**

This WID covers the new Group Management capability based on the IMS architecture as part of the Release 6 timeframe. By combining this Group Management capability with other IMS Service capabilities, such as Presence and Messaging, new rich and enhanced services for the end users can be created.

The Group Management enables the general service concepts by mean of a group of persons and their properties related to the group. The Group Management capability can enhance the services offered by IMS with the service components of group management. This Group Management Capability enhances all kind of IMS enabled services, like messaging services (Instant Messaging, Chat), conference and group call/session services with different real and non-real time media components, etc.

For example, IMS Multimedia Calls/Sessions shall use the group management to e.g. setting up a conference call as a IMS service. In a IMS conference service, the call control application server in the network shall use the group to set-up a conference call and multiplication of group media. In the IMS Messaging, the Group Management shall be utilised for example in IMS chat sessions and messaging distribution lists.

Group Management requirements are the management requirements for groups that can be utilised by a number of different kinds of services. This Group Management shall be a generic group management capability enabler for IMS so that groups can be created by end users, network operators or 3rd party service providers and uses by IMS services.

4 **Objective**

The objectives of this work item are to define and develop support of the Group Management capability in IMS to facilitate group-enabled (multimedia) services in IMS.

The Group Management capability in IMS shall utilise the existing IMS capabilities like privacy, security, charging, QoS, etc.

The purpose of the standardization of Group Management in IMS is the Interoperability between IMS terminals from different vendors and the IMS network elements. The Group Management requirements are such that 3GPP should specify the capabilities for Group management in IMS. The usage of the Group Management is a factor to differentiate operator's IMS service offering, but at the same time ensuring interoperability.

5 Service Aspects

The Group Management capability shall support the Group enhanced IMS services and interaction with other services in IMS. It shall be possible to manage groups by end users, network operators and 3rd party service providers.

6 MMI-Aspects

Services exploiting the Group Management capability in IMS, will enable all kind of enhanced services, currently specified by 3GPP.

7 Charging Aspects

The ability to charge for the Group Management capability shall be supported by using the IMS charging capabilities.

8 Security Aspects

The Group Management capability shall be secure for all involved parties (end user , network operator and 3rd party service providers). The IMS security capabilities shall be used.

9 Impacts

Affects:	USIM	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)

In order to clearly state the TSG-S1 Service Requirements to other TSG's and WG's in a timely fashion the following Work Plan is proposed.

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
22.XXX 250	TS on IMS group management			SA#17		In subsequent analysis it may be decided that only a set of CRs is needed.
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
22.XXX						

Below current, more detailed estimate how IMS group management work proceeds in TSG-S1.

Note: TSG-SA and TSG-S2 related items only illustrate potential outcome of other groups if TSG-S1 work is completed as planned.

Meeting	Date	Objective
TSG-S1#17	12 th -16 th August, 2002 (Durango)	<ul style="list-style-type: none"> IMS group management, TS 22.250 80% complete
TSG-S2#26	19 th -26 th August, 2002 (Toronto)	<ul style="list-style-type: none"> SA2 WID presented
TSG-SA#17	9 th - 12 th September, 2002 (Biarritz)	<ul style="list-style-type: none"> TS 22.250 presented for information SA2 WID for approval
TSG-S1 SWGs	14 th -18 th October, 2002 (Beijing)	<ul style="list-style-type: none"> TS 22.250 completed

		<ul style="list-style-type: none"> • <u>Support for other WGs</u>
<u>TSG-S2#27</u>	<u>14th-18th October, 2002 (Beijing)</u>	<ul style="list-style-type: none"> • <u>First IMS group management contributions</u>
<u>TSG-S1#18</u>	<u>11th-15th November, 2002 (Korea)</u>	<ul style="list-style-type: none"> • <u>Support for other WGs</u> • <u>Corrections to TS 22.250 if necessary</u>
<u>TSG-S2#28</u>	<u>11th-15th November, 2002 (Bangkok)</u>	<ul style="list-style-type: none"> • <u>Continue contributing to specification or report? Work 50% complete</u>
<u>TSG-SA#18</u>	<u>9th- 12th December, 2002 (New Orleans)</u>	<ul style="list-style-type: none"> • <u>TS 22.250 presented for approval</u> • <u>SA2 output for information</u>

11 Work item rapporteurs

N.N. (NOKIA)

12 Work item leadership

TSG-SA1

13 Supporting Companies

Nokia, Ericsson, Motorola, Vodafone

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

(list of Work Items identified as building blocks)

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)