Source:	**SA1**
Title:	**Various New WIs for Approval**
Document for:	**Approval**
Agenda Item:	**7.1.3**

Document Number	Title	To
S1-020575	IMS Messaging WID	SP-15
S1-020576	IMS Group management WID	SP-15
S1-020590	Scope of the Open Service Access Release	SP-15
S1-020630	Presence Service Release 6 WID	SP-15

Work Item Description

Title   IMS Messaging

1   3GPP Work Area

	Radio Access
	Radio Access
X	Core Network
X	Services

2   Linked work items

IMS, Presence, IMS Group management, Multimedia Messaging Service (MMS), Enhanced SMS (EMS), SMS

3   Justification

This WID covers the support of messaging in the IMS as part of the Release 6 timeframe. By combining the support of messaging with other IMS service capabilities, such as Presence, new rich and enhanced messaging services for the end users can be created.

Support of messaging in the IMS shall enable various messaging services like Instant Messaging, Chat, Store and Forward Messaging with rich multimedia components.

Support of messaging in the IMS shall also ensure continuation of existing SMS, EMS, and MMS messaging solutions from end user point of view. This work will determine interaction of existing messaging solutions and messaging in the IMS. This interaction may include interworking functionality in the 3GPP system.

4   Objective

The objectives of this work item is to identify support of messaging services in the IMS by first generating a technical report, followed by the creation of a technical specification and/or change requests as appropriate.

Support of messaging in the IMS shall utilise the existing IMS capabilities like privacy, security, charging, QoS, etc.

It is proposed that 3GPP shall standardise the support of messaging in the IMS in such a way that terminals from different vendors are interoperable. This means that the requirements for the support of messaging in the IMS are such that 3GPP should only specify the capabilities to enable the services in an interoperable way. The deployment of the IMS messaging services is a factor to differentiate an operator's IMS service offering, but at the same time ensuring interoperability between terminals and network IMS elements.

5   Service Aspects

Support of messaging in the IMS shall consider the current messaging services of 3GPP (SMS, EMS, MMS), and determine their interaction with the support of messaging in the IMS.

6   MMI-Aspects

Services exploiting the support of IMS messaging service, will enable all kind of messaging services, currently specified by 3GPP and other messaging services, such as Instant Messaging, Chat, store&forward messaging, etc.

7   Charging Aspects

The ability to charge for the support of IMS messaging service shall be supported by using the IMS charging capabilities.

8   Security Aspects

Support of the IMS messaging service shall provide secure messaging services in IMS. 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 rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
22.XXX	TR on support of messaging in the IMS	SA1	SA2/T2	SA#17	SA#18	Technical Report to investigate messaging in the IMS, and identify requirements and other issues
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
22.xxx						CRs to existing 22-series specifications

11   Work item raporteurs

N.N. (NOKIA)

12   Work item leadership

TSG-SA1

13   Supporting Companies

Nokia, Openwave, Hutchison 3G, mmO2, 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)

Work Item Description

Title   Presence Service Enhancements

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

Multimedia Messaging Service

3   Justification

The Presence Service was developed as part of Release 5, with the Stage 1 requirements stable and work commenced on the Stage2/3 specifications.

This WID covers any maintenance and enhancements which may be considered necessary or useful as part of the Release 6 timeframe.

4   Objective

The objectives of this work item are to refine and further develop support of the presence service to facilitate presence-enabled (multimedia) services in a wireless network.

In particular, updates to the requirements may be necessary as the Stage 2/3 work progresses. Further requirements enhancements covering privacy, security, charging or other areas may also be developed.

5   Service Aspects

The Presence Service shall support the current mobility information and mobility related services, and determine their interaction with the support of the Presence Service.

6   MMI-Aspects

Services exploiting the Presence Service, will enable monitoring status information of other users, and enable setting the visibility of users.

7   Charging Aspects

The ability to charge for access to, and use of, the Presence Service shall be supported.

8   Security Aspects

The Presence Service shall provide a secure procedure to gain access to, and use, presence information.

9   Impacts

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

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

The results of this Work Item shall be to provide CRs to Technical Standard 22.141.

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 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
22.141						CRs may be expected at TSG-SA #16 - #20

11   **Work item raporteurs**

Mark Cataldo (Openwave Systems)

12   **Work item leadership**

TSG-SA1

13   **Supporting Companies**

Openwave Systems, Hutchison 3G, Fujitsu, Vodafone, Nokia, Materna, AWS, Siemens

14   **Classification of the WI (if known)**

	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)

Source: SA1 SWG OSA

Work Item Description

Title: **Scope of the Open Service Access Release 6**

1   3GPP Work Area

	Radio Access
X	Core Network
X	Services

2   Linked work items

List of linked Work Items from OSA in Release 5 still applies and WI GUP is added.

3   Justification

The work item describes the requirements on the Open Service Access to offer sufficient opportunities for the creation of value added services by third parties.

4   Objective

The objective of this work item on OSA Release 6 is to enhance the OSA interface of previous releases.

5   Service Aspects

The OSA Release 6 API shall support the following functions:

- Support of a Generic Network Interface Function
  This enables an application to communicate with additional non-framework service capability features by using transparent communication means.

- Local services
  This enables the support of OSA-based local services to roaming subscribers

- Support for MMS Relay/Server to VASP Connectivity. This enables secure and trusted interaction of a MMS-VASP with the MMS Relay/Server.

- Support for the Push-Service., Existing user notification capabilities could be used for Push Services to notify a user. The current OSA support might be enhanced for a full-size support for Push Service.

- Enhanced User Notification. OSA provides facilities to notify a user. This facility is currently limited to either a SMS or USSD and shall be enhanced beyond these capabilities.

- Support for GUP to enable applications access to the Users Profile. Access to the Users Profile is supported in Release 5 first. Release 6 OSA shall be enhanced for the full-size support for GUP.

6   MMI-Aspects

None identified

7   Charging Aspects

None identified

8   Security Aspects

The OSA API shall provide security facilities to guarantee secure access to user confidential information. Sensitive information has to be prevented from unauthorised access.

9   Impacts

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

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

The results of this Work Item shall be provided in a Technical Standard (stage 1, and 3). There is no specific OSA stage 2 as architectural and functional OSA aspects are cared for in stage 2 for VHE (TS 23.127)The work shall be aligned as far as possible with other bodies, such as ETSI SPAN and Parlay.

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.

S1	*Dates*	*Actions*

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
TS 22.127		Stage 1 Service Requirement for the Open Service Access				
TS 23.127		Open Service Architecture;				
TS 29.198		Open Service Architecture;API Part 1				
TR29.998		Open Service Architecture;API Part 2				

11   Work item raporteurs

Dr. Jörg Swetina, Siemens AG

12   Work item leadership

TSG S1

13   Supporting Companies

Ericsson, Siemens, Fujitsu Laboratories of Europe, Nortel Networks, Lucent, Nokia, Materna, CMG

14   Classification of the WI (if known)

	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)

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 rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
22.XXX	TS on IMS group management					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						

11 Work item raporteurs

N.N. (NOKIA)

12 Work item leadership

TSG-SA1

13 Supporting Companies

Nokia, Ericsson, Motorola, Vodafone

14 Classification of the WI (if known)

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