

Meeting #20, Hämeenlinna, Finland

09-12 June 2003

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**Source:** TSG SA WG2 (S2-031549)  
**Title:** Revised WID for IMS Stage-2 Enhancements  
**Agenda Item:** 7.2.3

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## Introduction

The Work Item Description for Release 6 IMS Stage-2 Enhancements has not been updated for some time. The completion dates are incorrect and some other areas need correction. In addition, we should verify that all of the topics mentioned are still intended to be covered.

## Recommendation

Review and adopt the attached revised WID for IMS2.

## Work Item Description

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# Title    **IMS Stage-2 Enhancements**

### 1    3GPP Work Area

	Radio Access
X	Core Network
X	Services

### 2    Linked work items

2048	Interworking between IMS and IP networks	WG CN3	IMS-CCR-IWIP	"23.821, 29.061, 29.162"	NP-010568
2047	Interworking between IMS and CS networks	WG CN3	IMS-CCR-IWCS		NP-010569
<del>32046</del>	<del>IP-based emergency calls Stage-2</del>	<del>WG SA2</del>	<del>EMC1</del>		
1653	<a href="#">Emergency Call Enhancements for IP&amp; PS Based Calls – stage 3</a> <del>Emergency Calls in IMS</del>	WG CN1	EMC1-PS		NP- <del>010137</del> <a href="#">030149</a>
32017	QoS and Service Based Local Policy Enhancements	WG SA2	QoS1		SP-010719
<del>TBD</del> <a href="#">32028</a>	Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"	WG SA2	<del>TBD</del> <a href="#">IMSC OOP</a>		<del>TBD</del> <a href="#">SP-020543</a>
<del>TBD</del>	<del>Service continuity IMS to UMTS/GSM-CS</del>	<del>WG SA2</del>	<del>TBD</del>		<del>TBD</del>
<a href="#">14014</a>	<a href="#">Enhancement to the Cx and Sh interfaces</a>	<a href="#">WG CN4</a>	<a href="#">TBD</a>		<a href="#">NP-030229</a>

### 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. For some capabilities already identified, Stage 2 was not completed as part of Release 5 and the need for other new capabilities is being identified.

### 4    Objective

The objectives of this work item are to finalise Stage 2 work on postponed Release 5 features and to refine and further develop support of the IP Multimedia services in a wireless network. The areas to be considered include:

~~—Identity portability in IMS~~

~~This item is to provide any architecture and stage 2 specification necessary to provide the analog to number portability for IMS user's public user IDs.~~

- IMS local services  
This item is to provide any additional stage-2 work that may be necessary to support access to services in the local serving IMS network.
- IMS to PS interworking  
This item is to provide architecture and stage-2 specification for interworking with IP endpoints including transcoding and IPv4/IPv6 interworking.

- **IMS to CS interworking**  
This item is to address any additional stage-2 work that may be necessary to support CS interworking e.g., work potentially remaining for Roaming scenarios.
- **IMS Group management**  
This item is to provide architecture and stage-2 specification necessary to support the IMS capabilities to facilitate group-enabled services (e.g., chat).
- **IMS Conferencing**  
This item is to provide any additional stage-2 specification that may be necessary in support of conferencing services.

~~—PSS alignment to IMS~~

~~This item is to provide any architecture and stage 2 specification necessary to support the reuse of IMS elements for PSS support.~~

- **IMS Messaging**  
This item is to provide the architecture and stage-2 support necessary to support the capabilities required for messaging services in the IMS being defined by SA1.
- **Additional SIP Capabilities Support**  
This item is to provide any stage-2 specification necessary to support desired SIP capabilities that are not covered in Release 5 (e.g., forking).

**5 Service Aspects**  
*TBD*

**6 MMI-Aspects**  
*TBD*

**7 Charging Aspects**  
Impacts on stage 2 aspects of IMS charging should be reviewed.

**8 Security Aspects**  
*TBD*

**9 Impacts**

<b>Affects:</b>	<b>USIM</b>	<b>ME</b>	<b>AN</b>	<b>CN</b>	<b>Others</b>
<b>Yes</b>		X		X	
<b>No</b>					
<b>Don't know</b>	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 23.228.

In order to clearly state the TSG-SA2 Network Capabilities to other TSG's and WG's in a timely fashion the following Work Plan is proposed. The intention is to ensure that the Stage 2 is 80% stable by TSG#~~18~~ 1920 in order to allow time for stage 3 work to complete by ~~June~~ December 2003.

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		IMS Stage-2			CRs may be expected at TSG-SA # <del>17-18</del> - # <del>18-19</del> <a href="#">1920</a>	

**11 Work item raporteurs**

Thomas Towle (Lucent)

**12 Work item leadership**

TSG-SA2

**13 Supporting Companies**

Lucent Technologies, ~~Dynamics~~soft, Alcatel, Orange, T-Mobile, AWS, Nokia, Siemens, Ericsson, Nortel, Rogers Wireless Inc

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

14b The WI is a collection of independent Building Blocks as identified in Section 4 above: parent Feature

	IMS Enhancements (Phase 2)	WG SA1	<del>IMS-CCR-</del> <del>WIP</del> <a href="#">IMS2</a>	22.228	
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