Source: **TSG SA WG2 (S2-030955)**
Title: **Push WID update**
Agenda Item: **7.2.3**

Work Item Description Update

Title   **Support of Push Services – Stage 2**

1   **3GPP Work Area**

	Radio Access
X	Core Network
	Services

2   **Linked work items**

Support of Push Services – Stage 1 (31004)

3   **Justification**

A feasibility study on Push Services architecture was undertaken in 2001, (TR 23.875) ; the conclusion of this study was that work on Push Service architecture should be placed on hold until service requirements (i.e. a stage 1 specification) were available. TSG SA1 have now produced a stage 1 requirements specification (TS 22.174) for Push Services for Release 6 that introduces additional requirements over those that were assumed during the previous feasibility study. The previous work needs to be continued by SA2 to review the stage 1 requirements, particularly in the areas of Subscription Profile and Quality of Service (latency, priority).

4   **Objective**

The SA2 work will build on the requirements of TS 22.174 and the results of the feasibility study in TR 23.875 to review what changes, if any, might be needed to SA2 specifications to specify the necessary capabilities for the support of Push Services, in line with the requirements in TS 22.174 applicable to various access technologies and utilising, where

applicable, established CS Domain, PS Domain, and IMS functionality. The results of the investigation on how the existing network capabilities meet the stage 1 requirements will be collected in TR ~~23.8xx~~23.976. Any necessary changes identified during this work will be introduced by means of CRs to the appropriate specifications.

This work will focus on the network capabilities necessary to support Push Services. It is recognised that service aspects of, and a general architecture for, Push Services are already specified by other groups, in particular OMA. SA2 should liase with OMA to ensure harmonization of Push related work.

5   Service Aspects

Service aspects are addressed in TS 22.174 and may be expanded in OMA.

6   MMI-Aspects

None

7   Charging Aspects

The stage 1 specifies that the Push Service shall support various charging mechanisms (e.g. reverse, prepaid and reply charging etc.). SA2 will look at the overall charging architecture while the specific aspects are for consideration by SA5.

8   Security Aspects

Yes – for consideration by SA3.

9   Impacts

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

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

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR 23.~~976~~8 ~~xx~~	Push Service	SA2		SA#21~~19~~ (Sept~~March~~ 03)	SA#2~~2~~0 (Dec~~Jun~~ 03)	~~Joint meeting proposed with SA1 Jan 03 to review requirements.~~
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
TS 23.002		Network Architecture		~~SA#20 (Jun 03)~~		
TS 23.060		GPRS Service Description		~~SA#20 (Jun 03)~~		
TS 23.228		IMS		~~SA#20 (Jun 03)~~		
TS 23.141		Presence		~~SA#20 (Jun 03)~~		
TS 23.234		UMTS / WLAN interworking		~~SA#20 (Jun 03)~~		
Note that the list of affected specifications may need to be revised dependent on the particular solutions adopted for the provision of push service.						

11   Work item raporteurs

Nick Alfano (RIM)

12   Work item leadership

SA2

13   Supporting Companies

RIM, Orange, Cisco, NTT Docomo, KPN, Telefonica Moviles

14   Classification of the WI (if known)

	Feature (go to 14a)	
X	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)
Support of Push Services (PUSH – 1365)

14c   The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)