

Source: CN5  
Title: Updated Rel-6 Work Item Description for OSA Stage 3  
Agenda item: 9.7  
Document for: Decision

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~~3GPP TSG CN Plenary Meeting #17 NP-020421  
4 - 6 September 2002, Biarritz, FRANCE~~

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### Work Item Description

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Title: OSA Stage 3

1 3GPP Work Area

	Radio Access
X	Core Network
X	Services
	Terminals

2 Linked work items

- ?? Feature-level WI ID#15010 Rel-6 OSA enhancements
- ?? [Feature-level WI ID# 31028](#) [Rel-6 Presence Service Enhancements \(CN1\)](#)

3 Justification

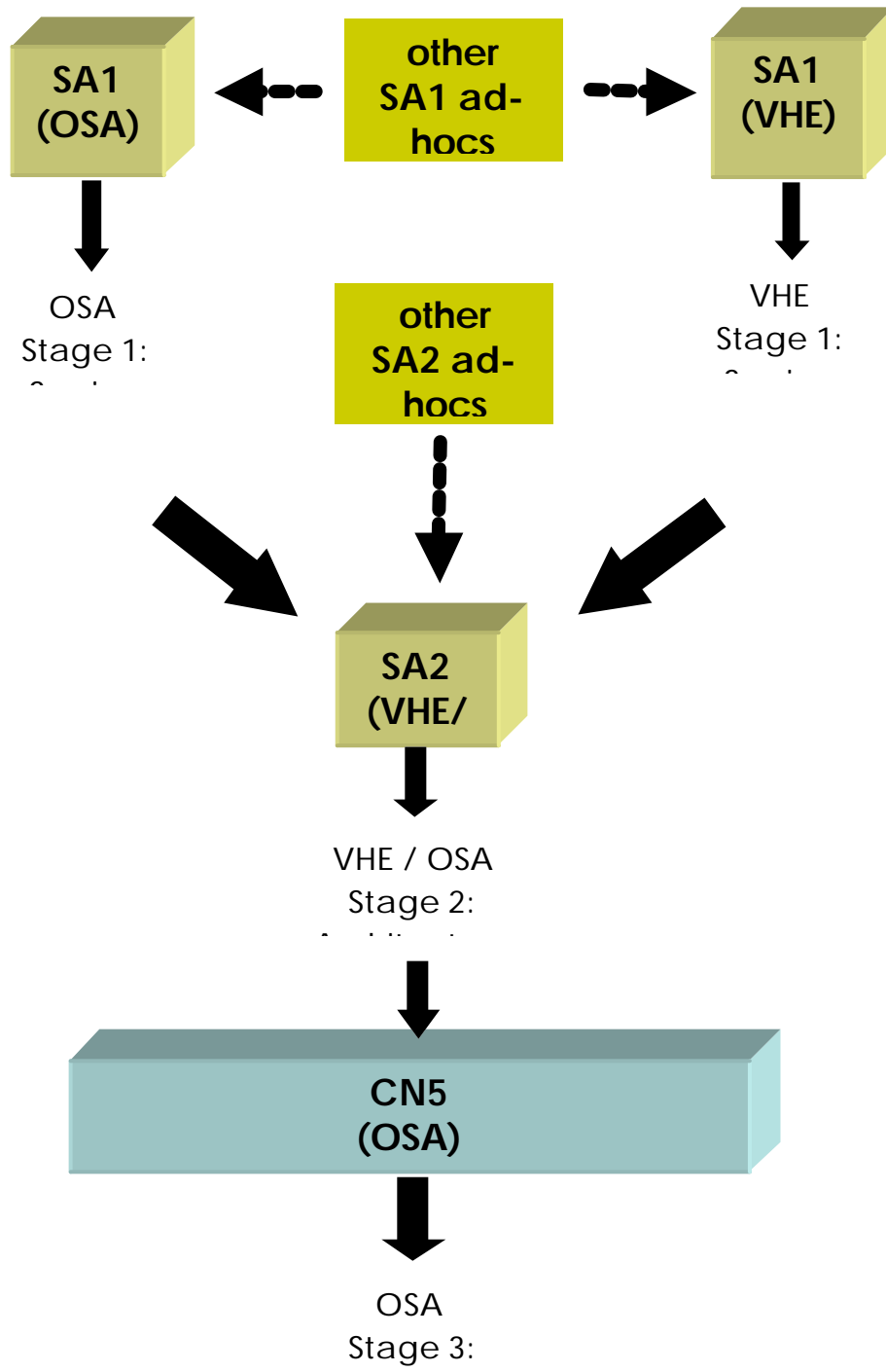
The Open Service Access (OSA) enables service application developers to make use of network functionality through open, standardised, secure, extensible and scalable interfaces. Applications see the network functionality offered to them as a set of Service Capability Features (SCFs) in the OSA API. These SCFs provide access to the network capabilities on which the application developers can rely when designing their applications. The OSA API is independent of where or which network capabilities are implemented in the network, and of vendor specific solutions and programming languages.

A secure OSA API is a key enabler for the Virtual Home Environment (VHE) system concept, which requires users to be consistently presented with the same personalised services in whatever network and terminal, subject to the capabilities of both.

4 Objective

Within the organisation of 3GPP TSG CN (Core Network), CN5 is in charge of the stage 3 specifications of the OSA API. The functionality provided by the API is defined in terms of requirements and their impact in the overall architecture defined by 3GPP, as shown in the following figure:





The figure above depicts the main OSA workflow; besides, co-ordination with other 3GPP groups will be necessary in some areas, some of which have already been identified, like Charging (SA5) and Security (SA3). Additionally CN5 is actively involved in liaisons of different natures with related bodies and fora, with the objective to ensure that there is a single API specified for the whole development community. In its joint work with these external bodies CN5 ensure that the 3GPP working process is respected – i.e. input from them is translated in terms of requirements and contributed to SA1.

**5 Service Aspects**

The OSA API stage 3 specifications will be aligned with the service provisioning architecture specified by 3GPP TSG SA (SA1 and SA2). As such, it will enable the provision of 3<sup>rd</sup> Party services for UMTS.

**6 MMI-Aspects**

None.

**7 Charging Aspects**

The OSA API stage 3 specifications will satisfy the charging requirements from SA1 and SA2 in cooperation with SA5, which will be found in 22.127 and 32.200 Charging principles & 32.225 Charging data description for the IP Multimedia Subsystem (IMS).

**8 Security Aspects**

The OSA API stage 3 specifications will satisfy the security requirements from SA1 and SA2 in cooperation with SA3. They can be found in TS 22.127, TS 22.121, TR 23.955, and in the security architecture.

**9 Impacts**

Affected:	UM	ME	AI	CI	Others
Yes				X	
No	X	X	X		
Don't know					X

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

New specifications						
Spec No.	Title	Prime resp. WG	Secondary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
29.198		CN5		TSG#20 (06/03)	TSG#21 (09/03)	
29.998		CN5		TSG#20 (06/03)	TSG#21 (09/03)	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
29.198				TSG#21 (09/03)		
29.998				TSG#21 (09/03)		

**11 Work item rapporteurs**

Ard-Jan Moerdijk ([Ard-Jan.Moerdijk@ELN.ERICSSON.SE](mailto:Ard-Jan.Moerdijk@ELN.ERICSSON.SE))

**12 Work item leadership**

CN5

**13 Supporting Companies**

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

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

**15 Work Tasks under this Building Block**

In correspondence with the Service Aspects defined for Rel-6, the OSA Stage 3 Building Block contains the following work tasks under the feature level Rel-6 OSA enhancements:

Worktask	WT ID
Support of a Generic Network Interface Function	15011
<del>Local services- (Requirement removed by SA1 from 22.127)</del>	<del>15012</del>
<del>Support for MMS Relay/Server to VASP Connectivity (Requirement removed by SA1 from 22.127)</del>	<del>15013</del>
<del>Support for the Push Service- (Requirement removed by SA1 from 22.127)</del>	<del>15014</del>
<del>Enhanced User Notification- (Requirement removed by SA1 from 22.127)</del>	<del>15015</del>
Support for GUP to enable applications access to the Users Profile. (title changed by SA1 in 22.127) User Data Management / User data security management	15016
Retrieval of Visited Network capabilities	15024
Access to IP Session information	15025
Multi Media Messaging function	15026
Enhanced user privacy in LCS	15027
Policy management extensions	15028
Presence and Availability Management (linked to CN1's WI 31028 "Rel-6 Presence Service Enhancements")	15029
Information Services	15030
Information Transfer	15031

NOTE: new items resulting from SA1#187 ~~Busan~~Durango meeting should be added.

<del>3GPPSA1 #17</del>	<del>WG</del>	<del>12-16 Aug 2002</del>	<del>Durango, Colorado</del>	<del>US</del>
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- ?? ~~Plus Rel-5 work moved by SA1/2 into Rel-6 (subject of SA#17 approval)~~
- ?? ~~New requirements added by SA1#187 (1008/02) (subject of SA#187 approval)~~