
Work Item Description

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

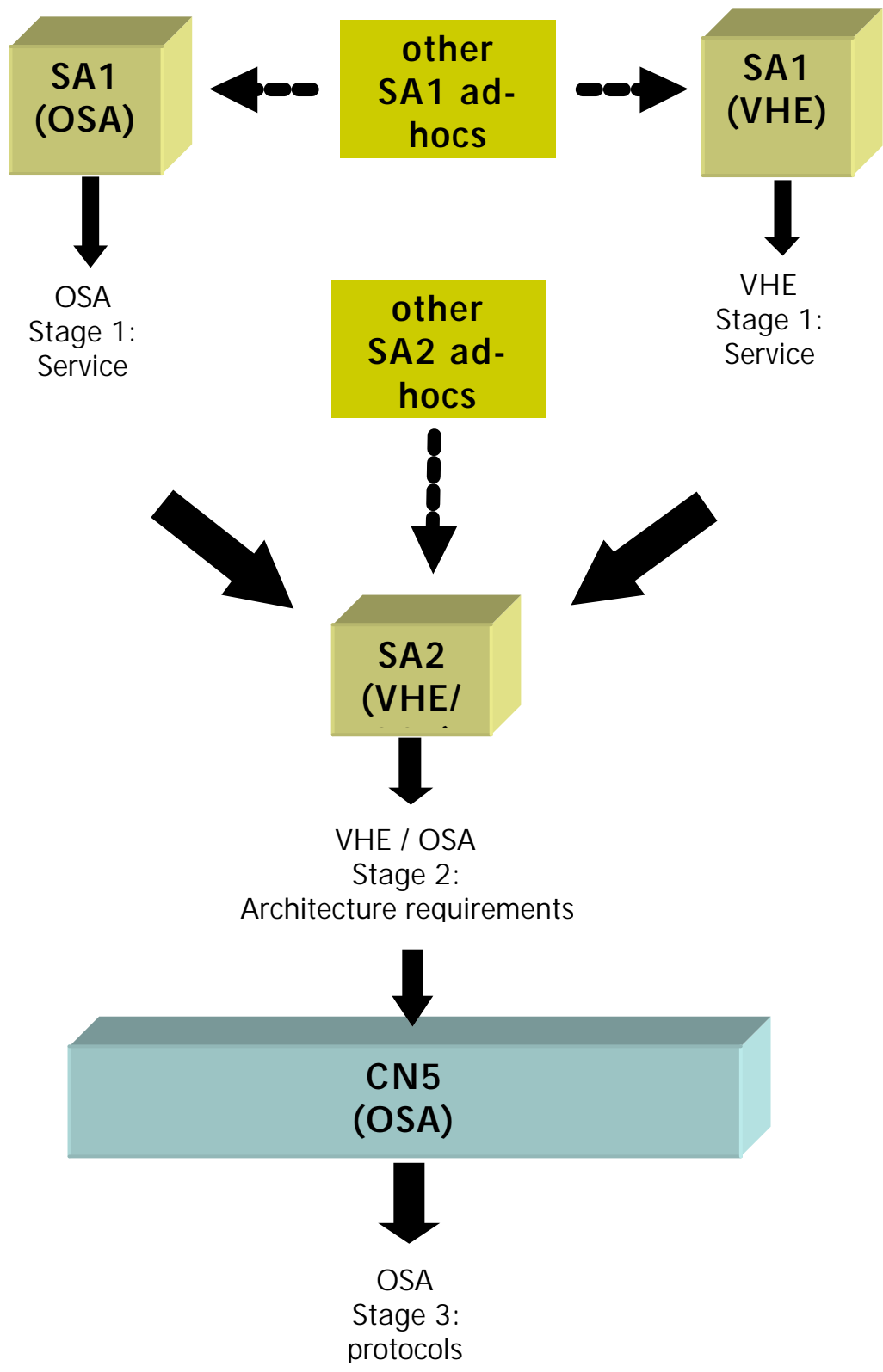
3 Justification

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 3rd 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 co-operation 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 co-operation with SA3. They can be found in TS 22.127, TS 22.121, TR 23.955, and in the security architecture.

9 Impacts

Affects:	USIM	ME	AN	CN	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	2ndary 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

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12 Work item leadership

CN5

13 Supporting Companies

Alcatel, BT, Ericsson, Lucent, Siemens, Marconi, Nokia

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 worktasks under the feature level Rel-6 OSA enhancements:

Worktask	WT ID
Support of a Generic Network Interface Function	15011
Local services	15012
Support for MMS Relay/Server to VASP Connectivity	15013
Support for the Push-Service	15014
Enhanced User Notification	15015
Support for GUP to enable applications access to the Users Profile	15016

NOTE: new items resulting from SA1#17 Durango meeting should be added.

3GPPSA1-#17	WG	12 - 16 Aug 2002	Durango, Colorado	US
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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#17 (08/02) (subject of SA#17 approval)**