

Source: CN5 (OSA)
Title: Draft update of Rel-6 WID for OSA Stage 3 to include responsibility for OSA Stage 2 transferred from SA2 etc. (Update of CN#23-approved NP-040144)
Agenda item: 6.5.1 (Status report from CN5)
Document for: DECISION

**joint-API-group (Parlay, ETSI Project OSA, 3GPP TSG_CN WG5)
Meeting #28, Piscataway, New Jersey, USA, 10-14 May 2004**

N5-040618

Summary of changes:

1. Add responsibility for maintenance of Stage 2 OSA Architecture (TS 23.127) transferred from SA2 at TSG#24/25 (Jun/Sep 2004).
2. Delete/remove OSA-GUP support for OSA Stage 3 in line with the SA1 decision to remove the Stage 1 Requirement in TS 22.127 (as per **S1-040730** Draft REPORT Version C of SA1#25 Plenary meeting, Montreal, Canada, 28 June - 02 July 2004).
3. Support for High-Availability

Work Item Description

Title: OSA Stage [2](#) & [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)

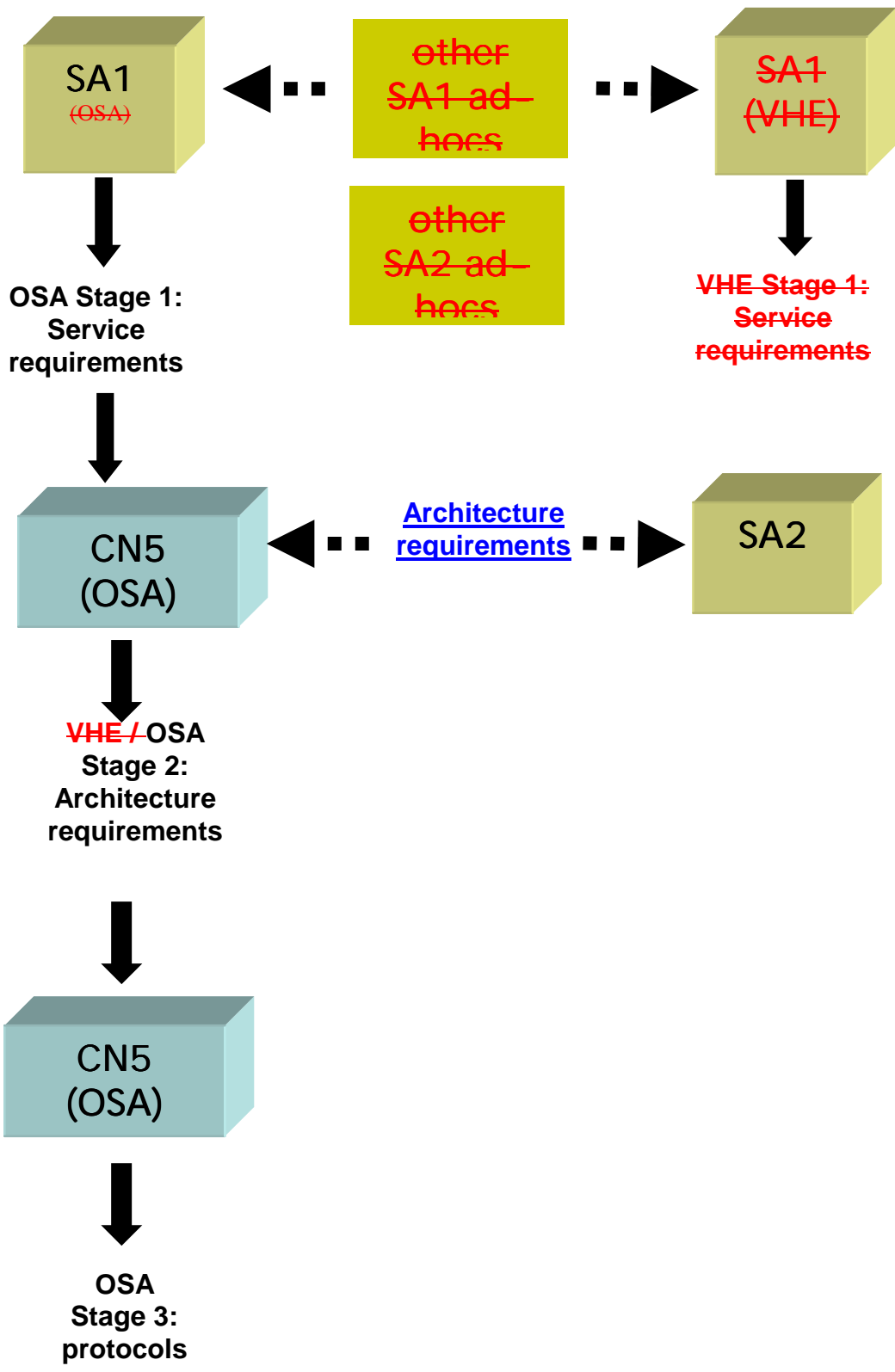
3 Justification

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 2 \(Architecture\)](#) and 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 2 and stage 3](#) specifications will be aligned with the service [requirements 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 which will be found in 22.127.

8 Security Aspects

The OSA API stage 3 specifications will satisfy the security requirements from SA1 and SA2 in co-operation with SA3.

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)

Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
23.(198)	Open Service Access (OSA): Stage 2 (This is a "new" 23.127; remove VHE)	CN5		12/2004	12/2004	ID=15040
29.198-15	Multi Media Messaging function	CN5		09/2004	09/2004	ID=15026, Completed
29.199-1 to 14x	Parlay X Web services (OSA interfaces at different levels of abstractions)	CN5		12/2003	06 09/2004	ID=15032, Completed
Spec No.	C R	Subject		Approved at plenary#	Comments	
29.198-x15	#	Multi Media Messaging function		06 09/2004	ID=15026	
29.198-x13	#	Policy management extensions		12/2003	ID=15028, Completed	
29.198-x14	#	Presence and Availability Management for 3GPP IMS (from the PRESNC-WI)		03/2004	ID=15029, Completed	
29.198-x3	#	Introduction of migration support mechanism		12/2003	ID=15033, Completed	
29.198-x	#	User Profile		03/2004	ID=15034 Input from SA1/2 needed.	
29.198-x3	#	Framework Function for Federation		12/2003	ID=15036, Completed	
29.198-3 to 14x	#	Support for High-Availability		09/2004	Completed	
23.127	#	Align 23.127 (VHE/OSA Stage 2 with 22.127 (OSA Stage 1) and 29.198/9 (OSA Stage 3)		12/2004	ID=15039	

11 **Work item raporteurs**
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12 **Work item leadership**
 CN5

13 **Supporting Companies**
 Alcatel, BT, Ericsson, Lucent, Marconi

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

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

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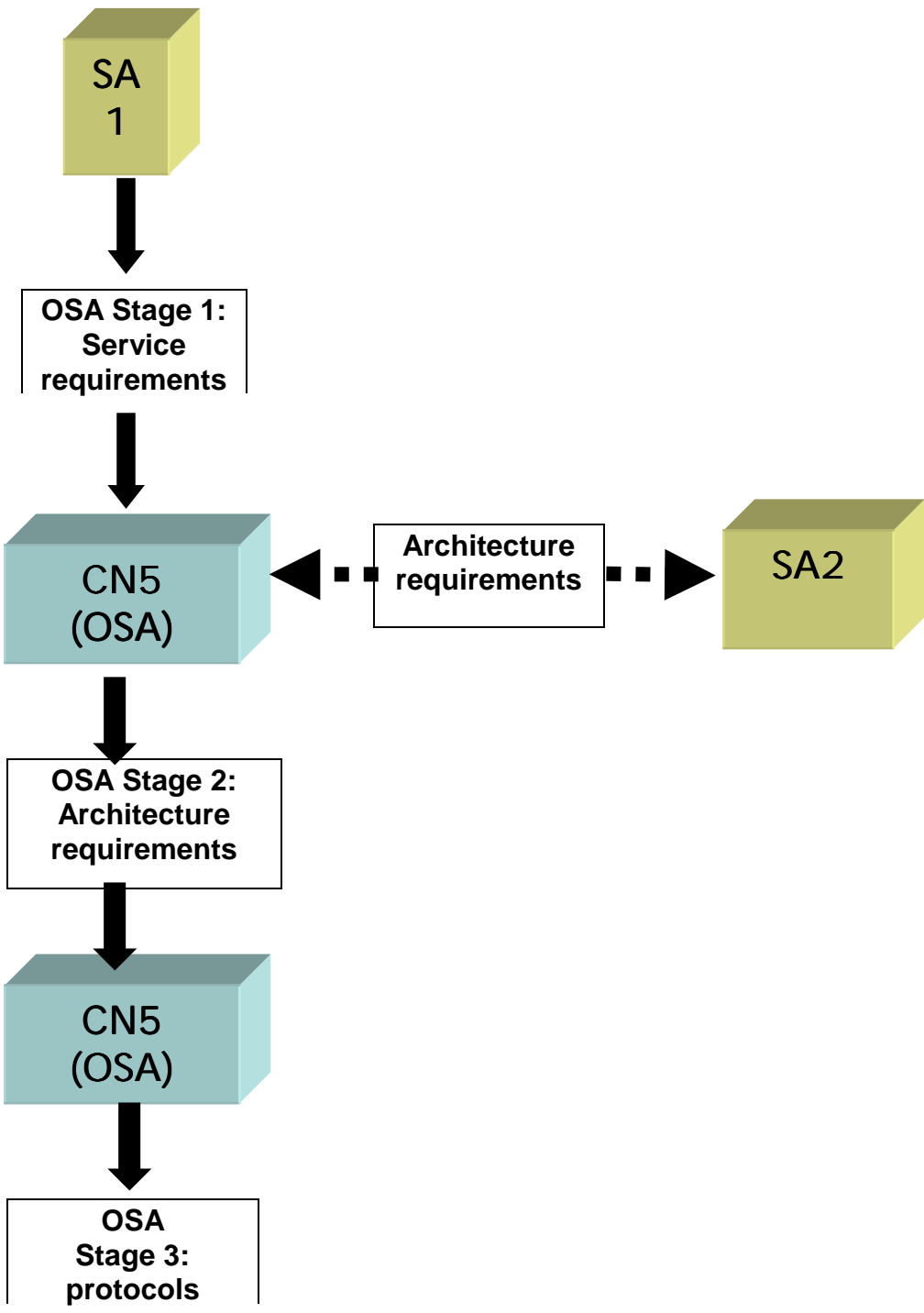
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29.198-14	#	Presence and Availability Management for 3GPP	03/2004	ID=15029, Completed
29.198-3	#	Introduction of migration support mechanism	12/2003	ID=15033, Completed
29.198-3	#	Framework Function for Federation	12/2003	ID=15036, Completed
29.198-3 to 14	#	Support for High-Availability	09/2004	Completed
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