

**Source:** CN5  
**Title:** Draft update of Rel-6 Work Item Description for OSA Stage 3 (Update of CN#22-approved NP-030558)  
**Agenda item:** 9.7  
**Document for:** DECISION

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**joint-API-group (Parlay, ETSI Project OSA, 3GPP TSG\_CN WG5) Meeting #26, Atlanta, GA, USA, 16-20 February 2004** **N5-040121**

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**Summary of changes:**

1. After the closing the clean-up process of OSA Requirements from SA1 (22.127) not progressed by 3GPP Members in CN5 (Stage 3) it is proposed to:

merge the "Static" part of the WID section **10 Expected Output and Time scale** with the "Dynamic" part i.e. the complimentary section **15 Work Tasks under this Building Block**

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**Work Item Description**

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**Title:** OSA Stage 3

**1 3GPP Work Area**

	Radio Access
<b>X</b>	Core Network
<b>X</b>	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)

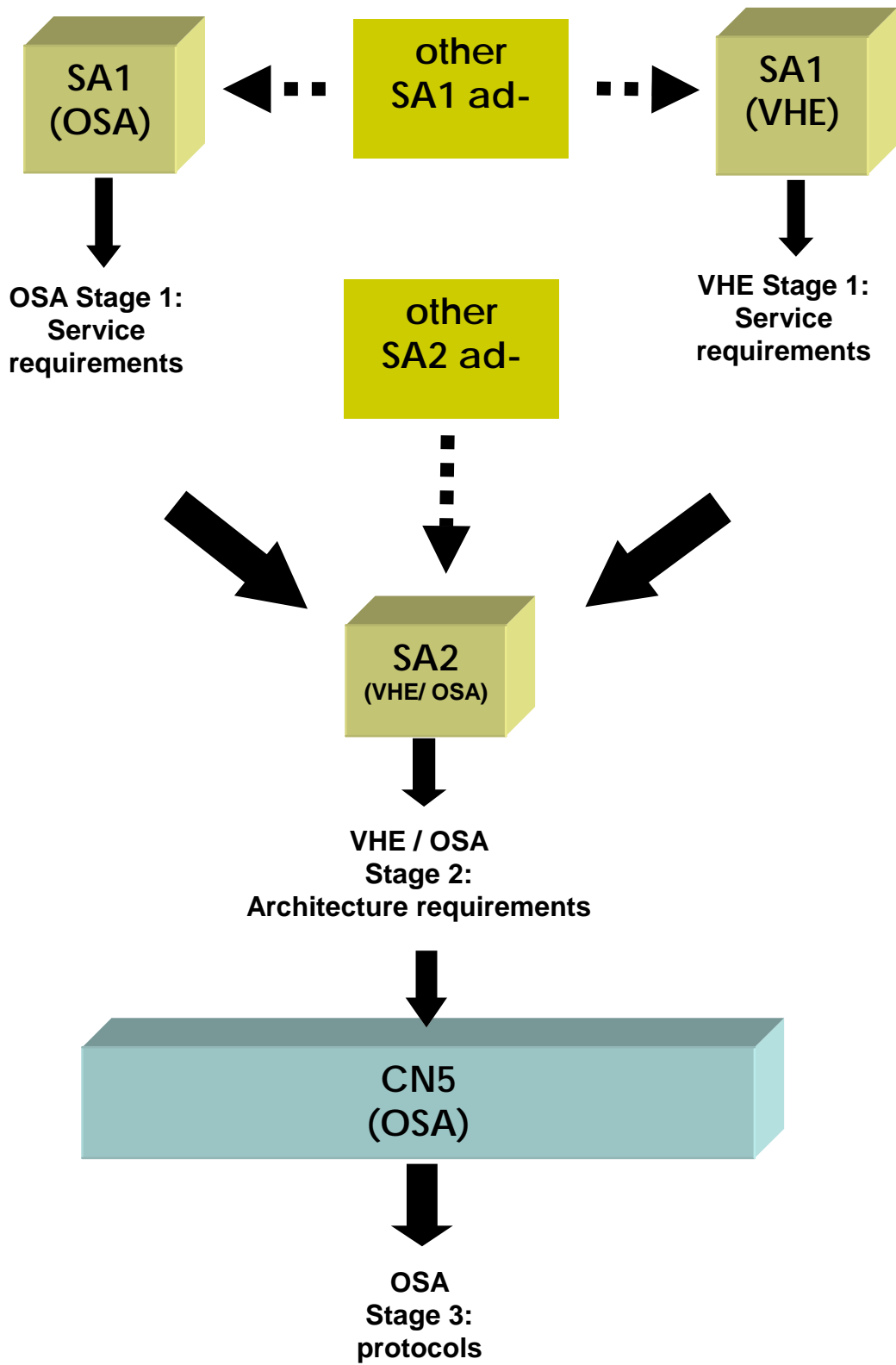
**3 Justification**

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 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)**

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
29.199	Parlay X Web services (OSA interfaces at different levels of abstractions)	CN5		12/2003	06/2004	ID=15032
29.998-14	OSA API; Mapping for Open Service Access; Part 14: Presence and Availability Management (PAM) Mapping to SIP	CN5		06/2004	09/2004	ID=15029 Completion 09/04; consistent with CN1 delayed Rel-6 completion.
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
29.198-x	#	Multi Media Messaging function		06/2004	ID=15026	
29.198-x	#	Policy management extensions		06/2004	ID=15028	
29.998-x	#	Policy management extensions		06/2004	ID=15028	
29.198-x	#	Presence and Availability Management for 3GPP IMS (from the PRESNC W1)		12/2003	ID=15029	
29.198-x	#	Introduction of migration support mechanism		12/2003	ID=15033	
29.998-x	#	Introduction of migration support mechanism		12/2003	ID=15033	
29.198-x	#	Framework Function for Federation		12/2003	ID=15036	
29.998-x	#	Framework Function for Federation		12/2003	ID=15036	
29.198-x	#	User Profile		03/2004	ID=15034 Input from SA1/2 needed.	
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11            **Work item raporteurs**  
Chelo ABARCA ([Chelo.Abarca@alcatel.fr](mailto:Chelo.Abarca@alcatel.fr))

12            **Work item leadership**  
CN5

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

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

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

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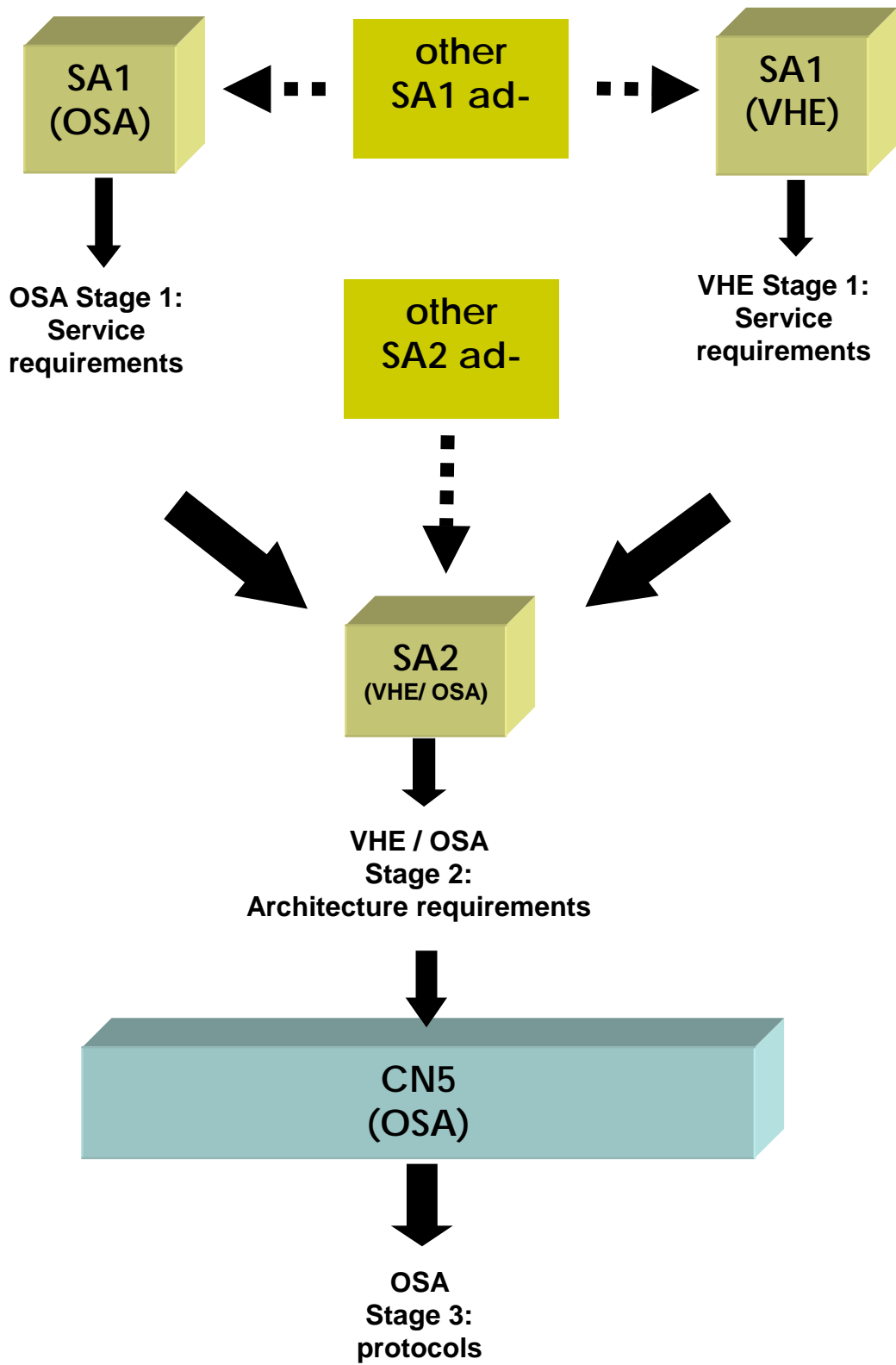
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<b>Yes</b>				<b>X</b>	
<b>No</b>	<b>X</b>	<b>X</b>	<b>X</b>		
<b>Don't know</b>					<b>X</b>

10

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

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29.998-14	OSA API; Mapping for Open Service Access; Part 14: Presence and Availability Management (PAM) Mapping to SIP	CN5		06/2004	09/2004	
Affected existing specifications						
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29.198-1/14				06/2004		
29.998-1/8				06/2004		

New specifications						
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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:



ID	Name	WG	Finish	% Compl.	Impacted-specs	Notes
15026	Multi-Media-Messaging function	N5	06/2004	50%	29.198, 29.998	N5#25: No-progress reflected in the specs.
15028	Policy-management extensions	N5	03/2004 12/2003	90%	29.198, 29.998	N5#25: Good progress 40%->90%
15029	Presence and Availability Management for 3GPP IMS (from the PRESNC-WI)	N5	TBD	80%	29.198, 29.998	N5#25: Completion-09/04; consistent with CN1 delayed-Rel-6 completion- TS completion in 12/2003 & TR completion in 09/2004. Good progress 40%->80%
15032	OSA-interfaces at different levels of abstractions (Parlay X-Web services)	N5	06/2004	90%	29.199	N5#25: Draft TS 29.199 v100 submitted to CN#22 for Information- Will be submitted for CN#24 approval in 06/2004.
15033	Introduction of migration support mechanism	N5	12/2003	100%	29.198, 29.998	N5#25: completed
15034	User Profile	N5	03/2004	0%	29.198, 29.998	N5#24&25: Still Pending input from SA1/2.
15036	Framework Function for Federation	N5	12/2003	100%	29.198, 29.998	N5#25: completed