

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

Summary of changes:

1. changed Rapporteur (Reason: due to change of Chair).
2. delayed TSG approval target from 09/2003 to 12/2003 (Reason: in order to align with the ETSI/Parlay delivery of Parlay 5.0 (Parlay X, OMA; Access to Service Capability Features realised by using modern state-of-the-art access technologies - Web Services technologies).
3. added new Work Tasks comming from SA1 requirements (SP-020659: CRs to 22.127 OSA Stage 1).

~~**3GPP TSG CN Plenary Meeting #18** **NP-020537**
4th - 6th December 2002. New Orleans, USA.~~

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Work Item Description

Title: OSA Stage 3

1 **3GPP Work Area**

	Radio Access
X	Core Network
X	Services
	Terminals

2 **Linked work items**

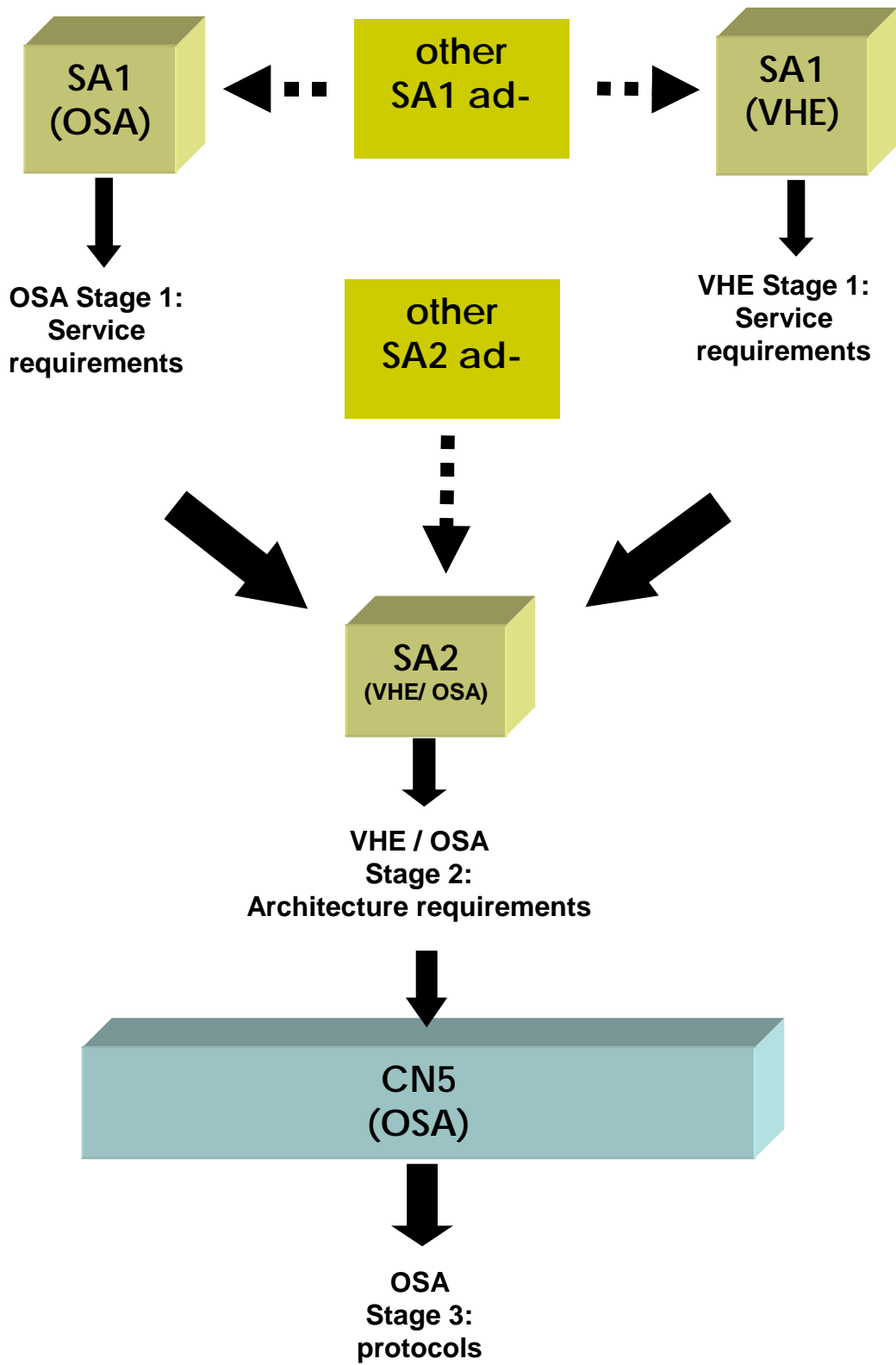
- Feature-level WI ID#15010 Rel-6 OSA enhancements
- Feature-level WI ID# 31028 Rel-6 Presence Service Enhancements (CN1)

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.

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-xy		CN5		TSG#21 (09/03)TSG#20 (06/03)	TSG#22 (12/03)TSG#21 (09/03)	
29.998-wz		CN5		TSG#21 (09/03)TSG#20 (06/03)	TSG#22 (12/03)TSG#21 (09/03)	
Affected existing specifications						
Spec No.	CR	Subject			Approved at plenary#	Comments
29.198-1/14					TSG#22 (12/03)TSG#21 (09/03)	
29.998-1/8					TSG#22 (12/03)TSG#21 (09/03)	

11 Work item rapporteurs

Chelo.ABARCA (Chelo.Abarca@alcatel.fr) Ard-Jan Moerdijk (Ard-Jan.Moerdijk@ELN.ERICSSON.SE)

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 work tasks under the feature level Rel-6 OSA enhancements:

Worktask	WT ID
Support of a Generic Network Interface Function	15011
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
OSA interfaces at different levels of abstractions (Parlay X, Web services)	15032
Introduction of migration support mechanism	15033
User Profile	15034
Network functions for end-user/application interaction support	15035
Framework Function for Federation	15036
Enhancements to IP Session Function in OSA for the control and monitor of IP Flows	n.a.
<p>SA#18 decision: <u>(CR061) on enhancements for the monitor and control of IP Sessions was not approved, but was sent to SA2 for analysis. CN5 should monitor the stability of this requirement.</u></p>	

NOTE: new items resulting from SA1#18 Busan meeting should be added.

New requirements added by SA1#18 (10/02) (subject of SA#18 approval)

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020659	22.127	059		Rel-6	B	OSA interfaces at different levels of abstractions (Parlay X, Web services)	6.1.0	6.2.0	S1-022249
SP-020659	22.127	060		Rel-6	B	Introduction of migration support mechanism	6.1.0	6.2.0	S1-022251
SP-020659	22.127	061		Rel-6	C	Enhancements to IP Session Function in OSA for the control and monitor of IP Flows SA#18 decision: <u>(CR061) on enhancements for the monitor and control of IP Sessions was not approved, but was sent to SA2 for analysis. CN5 should monitor the stability of this requirement.</u>	6.1.0	6.2.0	S1-022252
SP-020659	22.127	062		Rel-6	B	User Profile	6.1.0	6.2.0	S1-022258
SP-020659	22.127	063		Rel-6	B	Network functions for end-user/application interaction support	6.1.0	6.2.0	S1-022366
SP-020659	22.127	064		Rel-6	B	Framework Function for Federation	6.1.0	6.2.0	S1-022368

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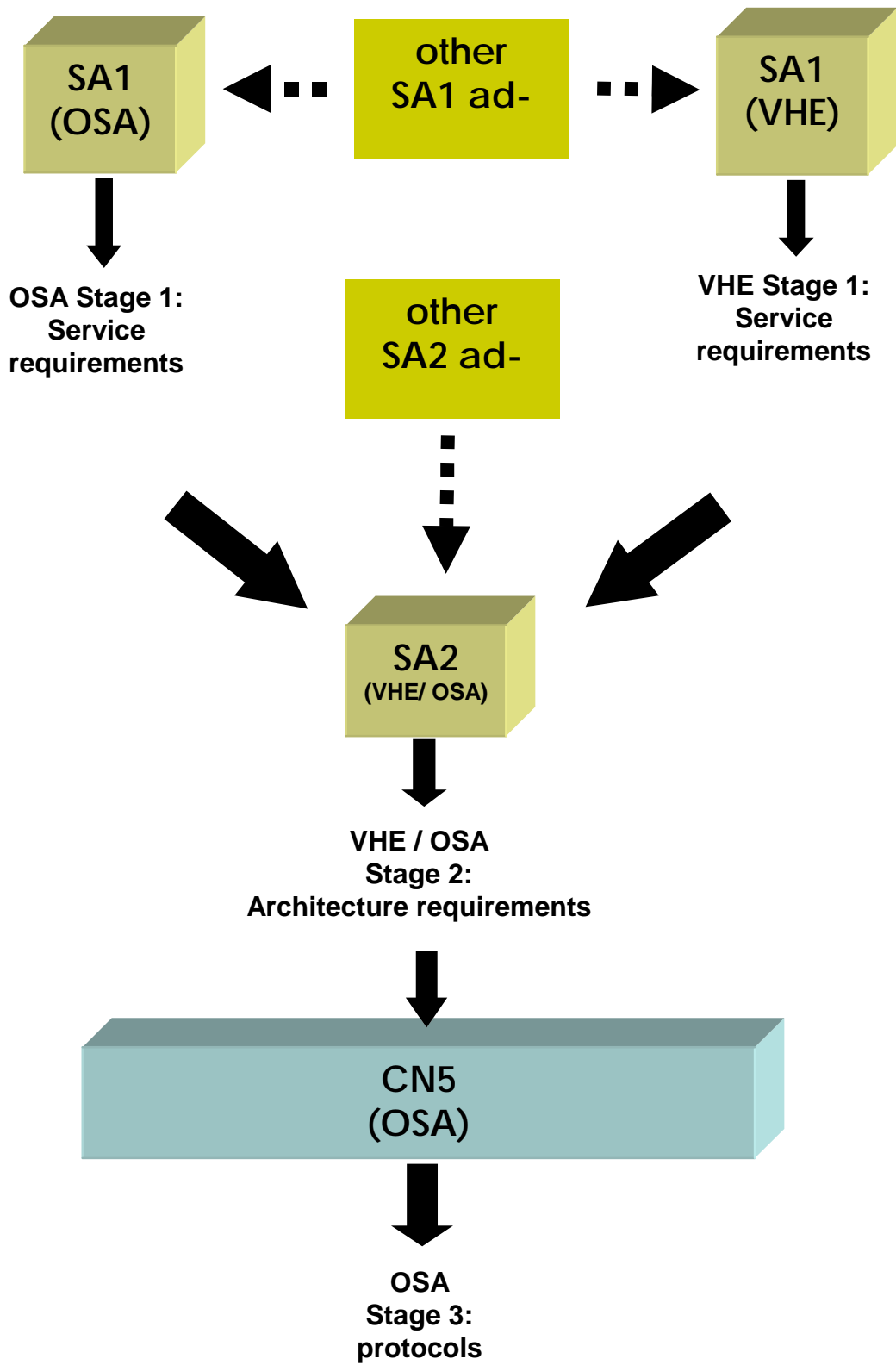
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