

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

joint-API-group (Parlay, ETSI Project OSA, 3GPP TSG_CN WG5) *revised* **N5-030324**
Meeting #24, San Francisco, USA, 14 - 18 July 2003

Summary of changes:

1. Added deliverables in section 10 (TS 29.199 "Parlay X" and TR 29.998-14 PAM Mapping to SIP).
2. Shifted target completion dates by 3-9 months in sections 10 and 15. Updated Work Tasks (section 15 of the WID; should be in-line with WP input 2003-09-08)

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)

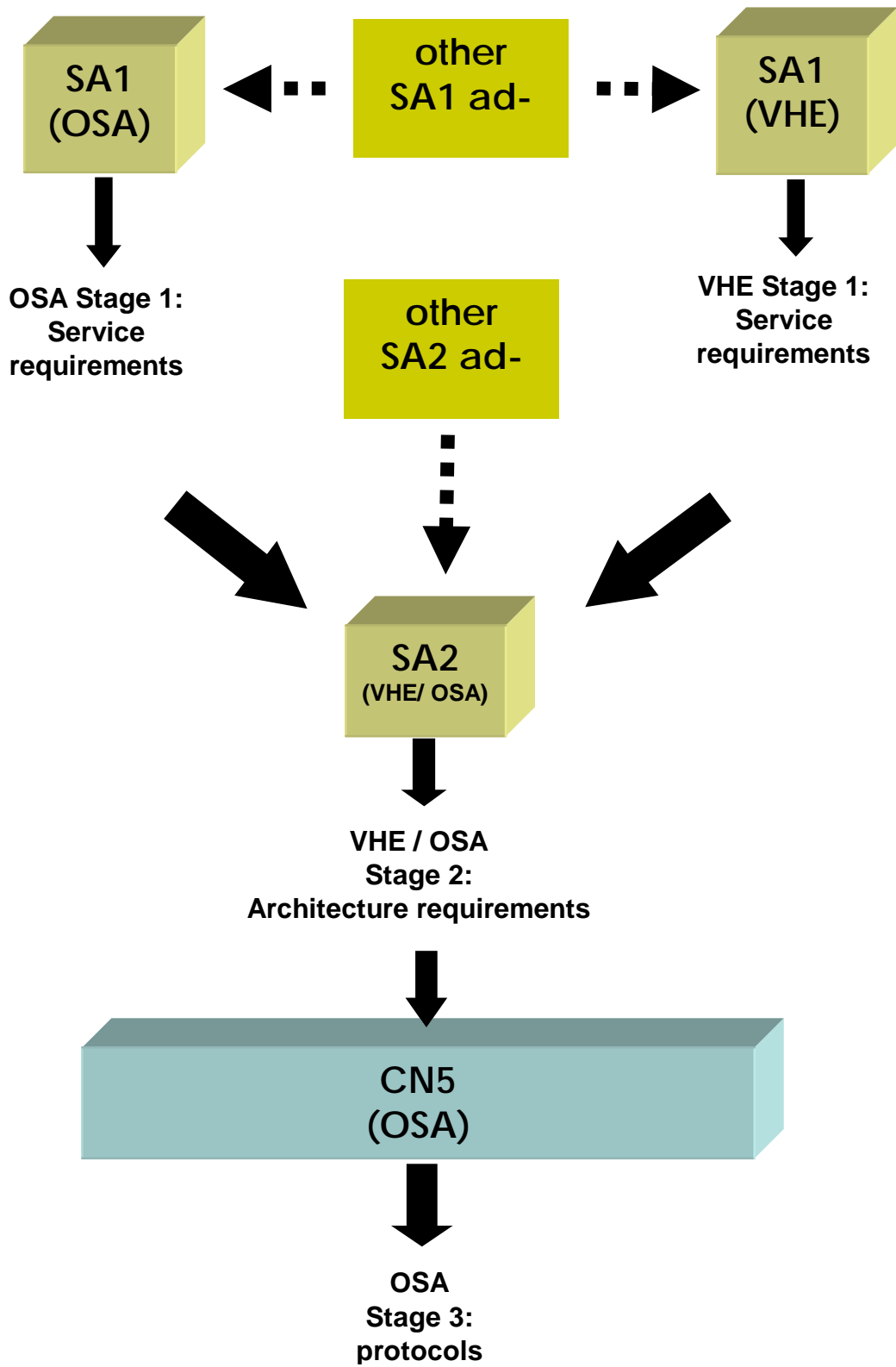
3 **Justification**

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.

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
29.199	"OSA API Web Services" or "Parlay X Web Services"	CN5		12/2003	03/2004	Depending on Parlay.
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	Consistent with CN1 delayed Rel-6 completion to Mar/Jun 2004 (CN5 will need additional 45 days of stopping the moving target and giving CN5 something concrete to map to).
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
29.198-1/14				03/2004		
29.998-1/8				03/2004		

11 Work item rapporteurs
Chelo.ABARCA (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)
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	Finnish	% Complete	Impacted specs	WID	Notes
15010	Rel-6 OSA enhancements	S1	06/2004	47%	22.127, 23.127, 29.198, 29.998	NP-030353	N#24 Rel-6 completion 03/04->06/04
31040	Scope of the Open Service Access Release 6	S1	06/2004	90%		SP-030038	N#24: Stage 1 to be aligned with Stage 3 reality: Final scope 06/03->06/04.
15011	DELETE - Support of a Generic Network Interface Function (Stage 1)	S1	01/2003	100%	22.127		N5#24: Stopped. Reason: SA1 requirement deleted.
15023	DELETE - Support of a Generic Network Interface Function (Stage 3)	N5	12/2003	20%	29.198, 29.998		N5#24: Stopped. Reason: SA1 requirement deleted.
15016	User Data Management / User data security management (Stage 1)	S1	01/2003	100%	22.127		
15022	User Data Management / User data security management (Stage 3)	N5	03/2004	0%	29.198, 29.998		N5#24: No support from SA2.
15024	Retrieval of Visited Network capabilities	N5	03/2004	0%	29.198, 29.998		N5#24: No contributions. N5 (via CN#21) suggests SA1 to remove requirement.
15025	Access to IP Session information	N5	03/2004	0%	29.198, 29.998		N5#24: No support from SA2.
15026	Multi Media Messaging function	N5	03/2004	50%	29.198, 29.998		N5#24: Completion 12/03->03/04.
15027	Enhanced user privacy in LCS	N5	03/2004	0%	29.198, 29.998		N5#24: No contributions. N5 (via CN#21) suggests SA1 to remove requirement.
15028	Policy management extensions	N5	03/2004	40%	29.198, 29.998		N5#24: Completion 12/03->03/04.
15029	Presence and Availability Management for 3GPP IMS (from the PRESNC WI)	N5	03/2004	40%	29.198, 29.998		N5#24: Completion 12/03->09/04 . Consistent with CN1 delayed Rel-6 completion to Mar/June 2004 (CN5 will need additional 45 days of stopping the moving target and giving CN5 something concrete to map to).
15030	DELETE - Information Services	N5	12/2003	20%	29.198, 29.998		N5#24: Stopped. Reason: SA1 requirement deleted.
15031	DELETE - Information Transfer	N5	12/2003	20%	29.198, 29.998		N5#24: Stopped. Reason: SA1 requirement deleted.
15032	OSA interfaces at different levels of abstractions (Parlay X, Web services)	N5	03/2004	80%	29.199		N5#24: Completion 12/03->03/04.
15033	Introduction of migration support mechanism	N5	03/2004	90%	29.198, 29.998		N5#24: Completion 60%->90%.
15034	User Profile	N5	03/2004	0%	29.198, 29.998		N5#24: No contributions. N5 (via CN#21) suggests SA1 to remove requirement
15035	Network functions for end-user/application interaction support	N5	03/2004	0%	29.198, 29.998		N5#24: No contributions. Reason: SA1 requirement may disappear.
15036	Framework Function for Federation	N5	03/2004	90%	29.198, 29.998		N5#24: Completion 60%->90%. N5 believes that current FW supports this requirement without changes.
15037	Enhancements to IP Session Function in OSA for the control and monitor of IP Flows	N5	03/2004	0%	29.198, 29.998		N5#24: No reply from SA1, SA2

~~3GPP TSG CN Plenary Meeting #19 NP-030036
12th - 14th March 2003, Birmingham, U.K.~~

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Summary of changes:

- ~~1. changed Rapporteur (Reason: due to change of Chair).~~
- ~~1. 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).~~
- ~~1. added new Work Tasks coming from SA1 requirements (SP-020659: CRs to 22.127 OSA Stage 1).~~
- 1. [Added deliverables in section 10 \(TS 29.199 "Parlay X" and TR 29.998-14 PAM Mapping to SIP\).](#)
- 2. [Shifted target completion dates by 3-9 months in sections 10 and 15. Updated Work Tasks \(section 15 of the WID; should be in-line with WP input 2003-09-08\)](#)

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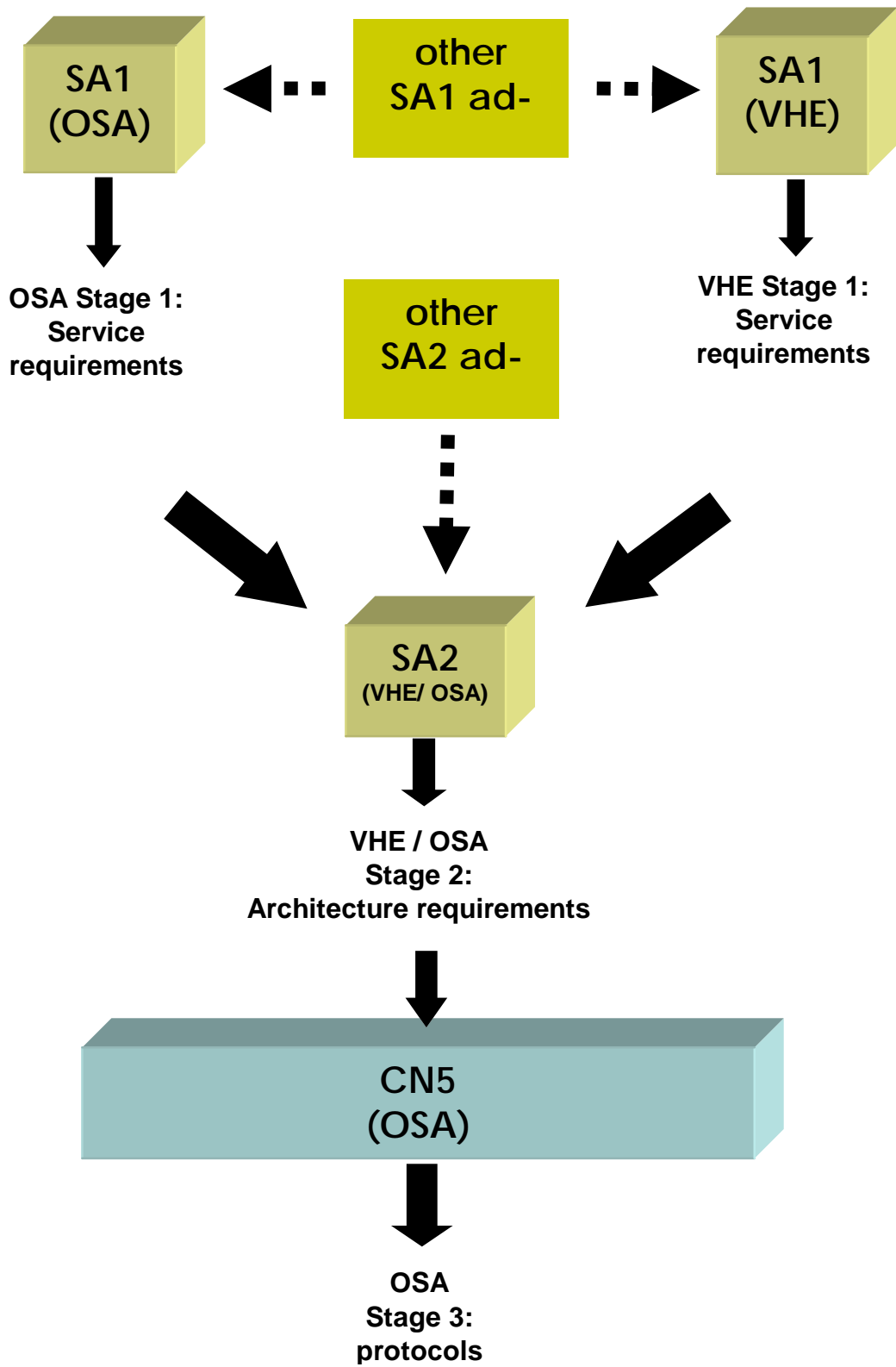
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No	X	X	X		
Don't know					X

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
29.1998-xy	"OSA API Web Services" or "Parlay X Web Services"	CN5		12/2003 TSG#21 (09/03)	03/2004 TSG#22 (12/03)	Depending on Parlay.
29.998-wz14	OSA API: Mapping for Open Service Access; Part 14: Presence and Availability Management (PAM) Mapping to SIP	CN5		06/2004 TSG#21 (09/03)	09/2004 TSG#22 (12/03)	Consistent with CN1 delayed Rel-6 completion to Mar/Jun 2004 (CN5 will need additional 45 days of stopping the moving target and giving CN5 something concrete to map to).
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
29.198-1/14				03/2004 TSG#22 (12/03)		
29.998-1/8				03/2004 TSG#22 (12/03)		

11 Work item rapporteurs
Chelo.ABARCA (Chelo.Abarca@alcatel.fr)

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

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X	Building Block (go to 14b)
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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	45011
User Data Management / User data security management	45016
Retrieval of Visited Network capabilities	45024
Access to IP Session information	45025
Multi Media Messaging function	45026
Enhanced user privacy in LCS	45027
Policy management extensions	45028
Presence and Availability Management (linked to CN1's WI 31028 "Rel-6 Presence Service Enhancements")	45029
Information Services	45030
Information Transfer	45031
OSA interfaces at different levels of abstractions (Parlay X, Web services)	45032
Introduction of migration support mechanism	45033
User Profile	45034
Network functions for end-user/application interaction support	45035
Framework Function for Federation	45036
Enhancements to IP Session Function in OSA for the control and monitor of IP Flows	n.a.
<p>SA#18 decision: (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.</p>	

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	6.1.0	6.2.0	S1-022252
<p>SA#18 decision: (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.</p>									
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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15010	Rel-6 OSA enhancements	S1	06/2004	47%	22.127 , 23.127 , 29.198 , 29.998	NP- 030353	N#24 Rel-6 completion 03/04->06/04
31040	Scope of the Open Service Access Release 6	S1	06/2004	90%		SP- 030038	N#24: Stage 1 to be aligned with Stage 3 reality: Final scope 06/03->06/04 .
15011	DELETE - Support of a Generic Network Interface Function (Stage 1)	S1	01/2003	100%	22.127		az: Stopped. Reason: SA1 requirement deleted .
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