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

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joint-API-group (Parlay, ETSI Project OSA, 3GPP TSG_CN WG5)   **N5-030664**
Meeting #25, Bangkok, THAILAND, 27 - 31 October 2003

Summary of changes:

1. Updated section **7 Charging Aspects**
2. Updated section **10 Expected Output and Time scale** (delayed completion date of Rel-6 OSA from 03/04 to 06/04)
3. Updated section **15 Work Tasks under this Building Block**:

   a) Proposed deleting from the 3GPP WP the Stage 3 WT not progressing since several consecutive CN meetings &
   ask CN to report to SA (in order that SA1 is removing by CRs against 22.127 the respective requirements).

   b) Updated progress of WTs, which should be in-line with the 3GPP WP input to CN#22 on 12/2003).

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)
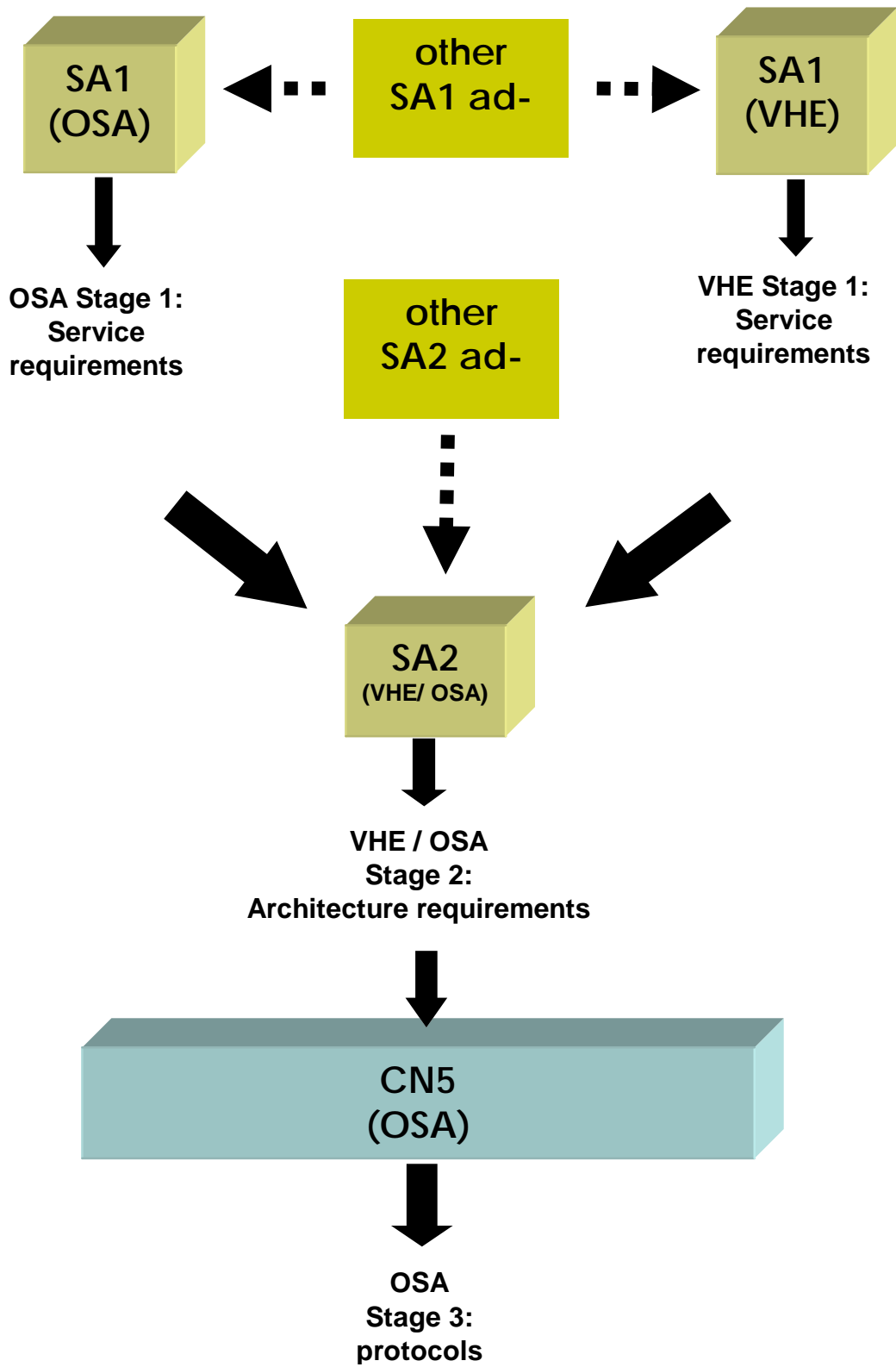
3   Justification

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 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"	CN5		12/2003	06/2004	
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						
Spec No.	CR			Subject	Approved at plenary#	Comments
29.198-1/14					06/2004	
29.998-1/8					06/2004	

11 Work item raporteurs
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	Finnis h	% Com pl.	Impacte d 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

3GPP TSG CN Plenary Meeting #22   **NP-030558**
10 - 12 December 2003, Maui, Hawaii, USA

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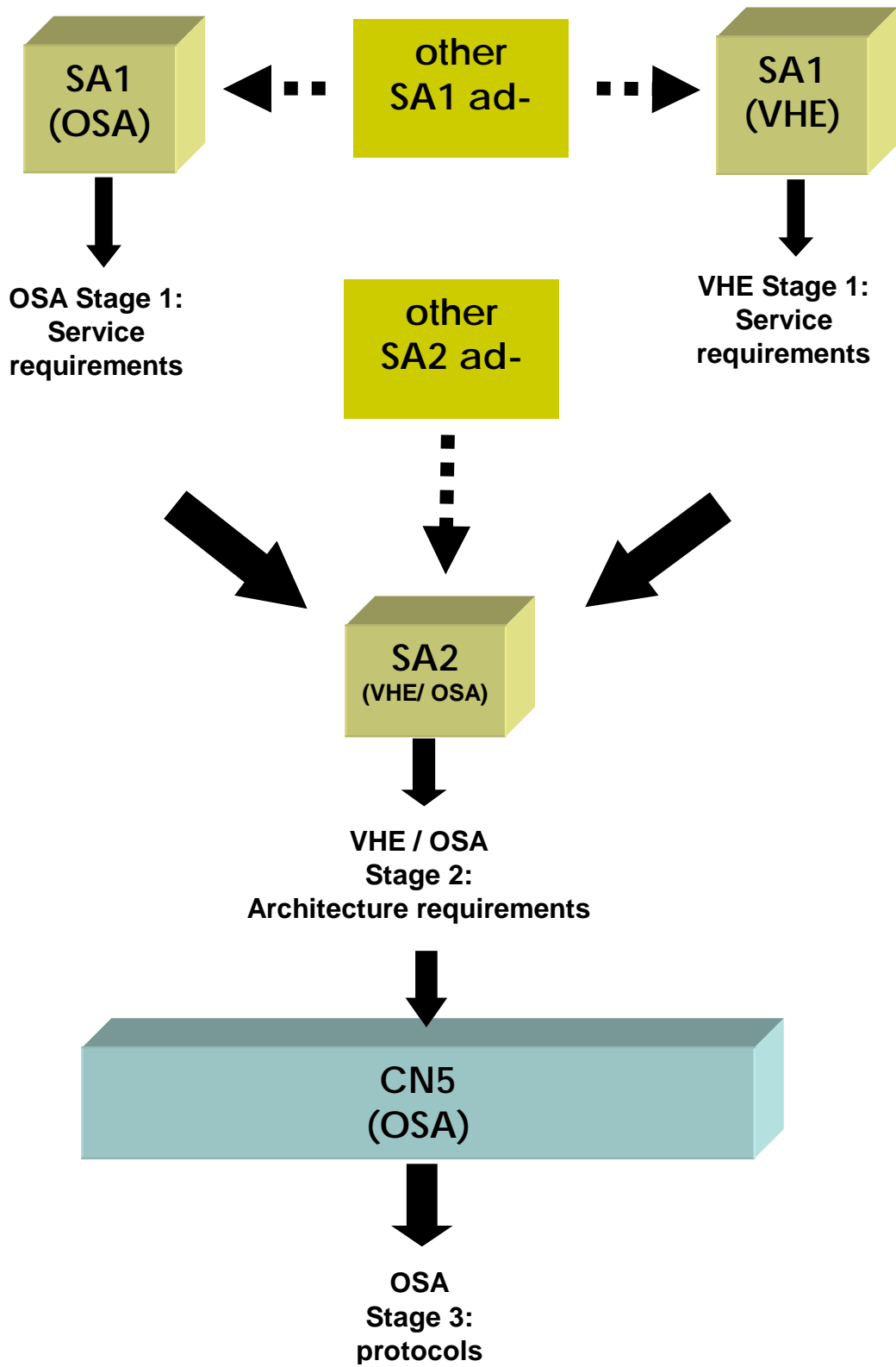
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4 Objective

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:

```
          SA1  ◄ ■ ■    other       ■ ■ ►   SA1
         (OSA)          SA1 ad-             (VHE)
           │                                  │
           ▼                                  ▼
     OSA Stage 1:          other        VHE Stage 1:
       Service            SA2 ad-         Service
     requirements                       requirements
                             ┊
                             ▼
            ◣                           ◢
                            SA2
                         (VHE/ OSA)
                             │
                             ▼
                        VHE / OSA
                         Stage 2:
                   Architecture requirements
                             │
                             ▼
                           CN5
                          (OSA)
                             │
                             ▼
                           OSA
                         Stage 3:
                         protocols
```

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
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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	
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29.198-1/14					~~03/2004~~ 06/2004	
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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:

ID	Name	WG	Finnish	% Compl.	Impacted specs	Notes
~~15016~~	DELETE - ~~User Data Management / User data security management (Stage 1)~~	~~S1~~	~~01/2003~~	~~100%~~	~~22.127~~	N5#25 (10/2003): SA2 shows NO interest to introduce the User Data Management SCF in 23.127 as requested by SA1 (see S2-033241 LS Reply from S2 to N5 (cc: CN, SA, S1) on User Data Management architecture requirement)
~~15022~~	DELETE - ~~User Data Management / User data security management (Stage 3)~~	~~N5~~	~~03/2004~~	~~0%~~	~~29.198, 29.998~~	~~N5#24: No support from SA2.~~ N5#25: see above on SA1.
~~15025~~	DELETE - ~~Access to IP Session information~~	~~N5~~	~~03/2004~~	~~0%~~	~~29.198, 29.998~~	N5#25: No support from SA2. 15025 and 15037 seem to be the same requirement. CN5 request SA1 for deletion of this req.
15026	Multi Media Messaging function	N5	~~03~~ 06/2004	50%	29.198, 29.998	N5#25: No progress reflected in the specs.
15028	Policy management extensions	N5	~~03/2004~~ 12/2003	~~40%~~ 90%	29.198, 29.998	N5#25: Good progress 40%->90%
15029	Presence and Availability Management for 3GPP IMS (from the PRESNC WI)	N5	~~03/2004~~ TBD	~~40%~~ 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	~~03/2004~~ 06/2004	~~80%~~ 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	~~03/2004~~ 12/2003	~~90%~~ 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.
~~15035~~	DELETE - ~~Network functions for end-user/application interaction support~~	~~N5~~	~~03/2004~~	~~0%~~	~~29.198, 29.998~~	N5#2~~5~~4: ~~Still~~ NO contributions. Reason: SA1 requirement may disappear. CN5 request SA1 for deletion of this req.
15036	Framework Function for Federation	N5	~~03/2004~~ 12/2003	~~90%~~ 100%	29.198, 29.998	N5#25: completed ~~N5 believes that current FW supports this requirement without changes.~~
~~15037~~	DELETE - ~~Enhancements to IP Session Function in OSA for the control and monitor of IP Flows~~	~~N5~~	~~03/2004~~	~~0%~~	~~29.198, 29.998~~	N5#25: SA1 wants to keep it, SA2 does not. 15025 and 15037 seem to be the same requirement. CN5 request SA1 for deletion of this req.