**3GPP TSG CN Plenary Meeting #14**                                    **NP-010671**
**Kyoto, Japan, 12-14 December 2001**

| | |
|---|---|
| **Source:** | **CN5 (OSA)** |
| **Title:** | **Revised Work Item Description OSA Stage 3 Rel-5; approved at CN#13 as NP-010535** |
| **Agenda item:** | **9.4** |
| **Document for:** | **Decision** |

NOTE:  Only the work flow showing the relationship with the other 3GPP groups has been updated.

**3GPP TSG_CN5/Parlay/ETSI SPAN12**                                    **N5-011124**
**Meeting #14, Cancun, Mexico, 26 – 30 November 2001**

| | |
|---|---|
| **Source:** | Chelo Abarca (Alcatel) Chelo.Abarca@alcatel.fr |
| **Title:** | **Proposed modification to the 3GPP Rel5 OSA Stage 3 - Building Block level Work Item Description approved at CN#13 in Sept 2001 as (NP-010535)** |
| **Agenda Item:** | **11.1** |
| **Document for:** | Approval |
| **Category:** | |
| **Work Item ID:** | |
| **Doc Summary:** | **This is a modification proposed to the WID after discussion of the work flow with SA2 VHE/OSA.** |
| **Specs involved:** | |

## 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#1367: VHE enhancements (stages 1 and 2)
??  Feature-level WI ID#1637: OSA enhancements (stages 1 and 2)

**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:

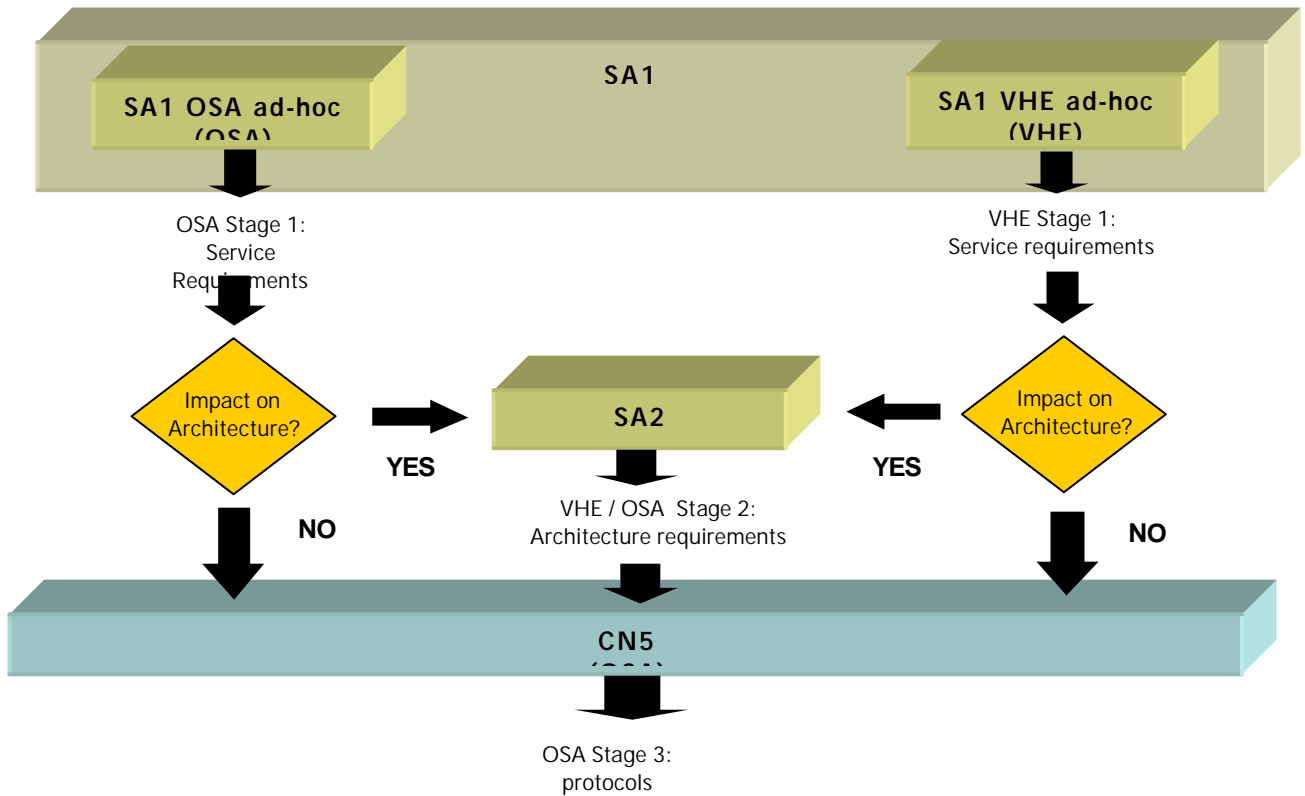Figure A should be replaced with Figure B
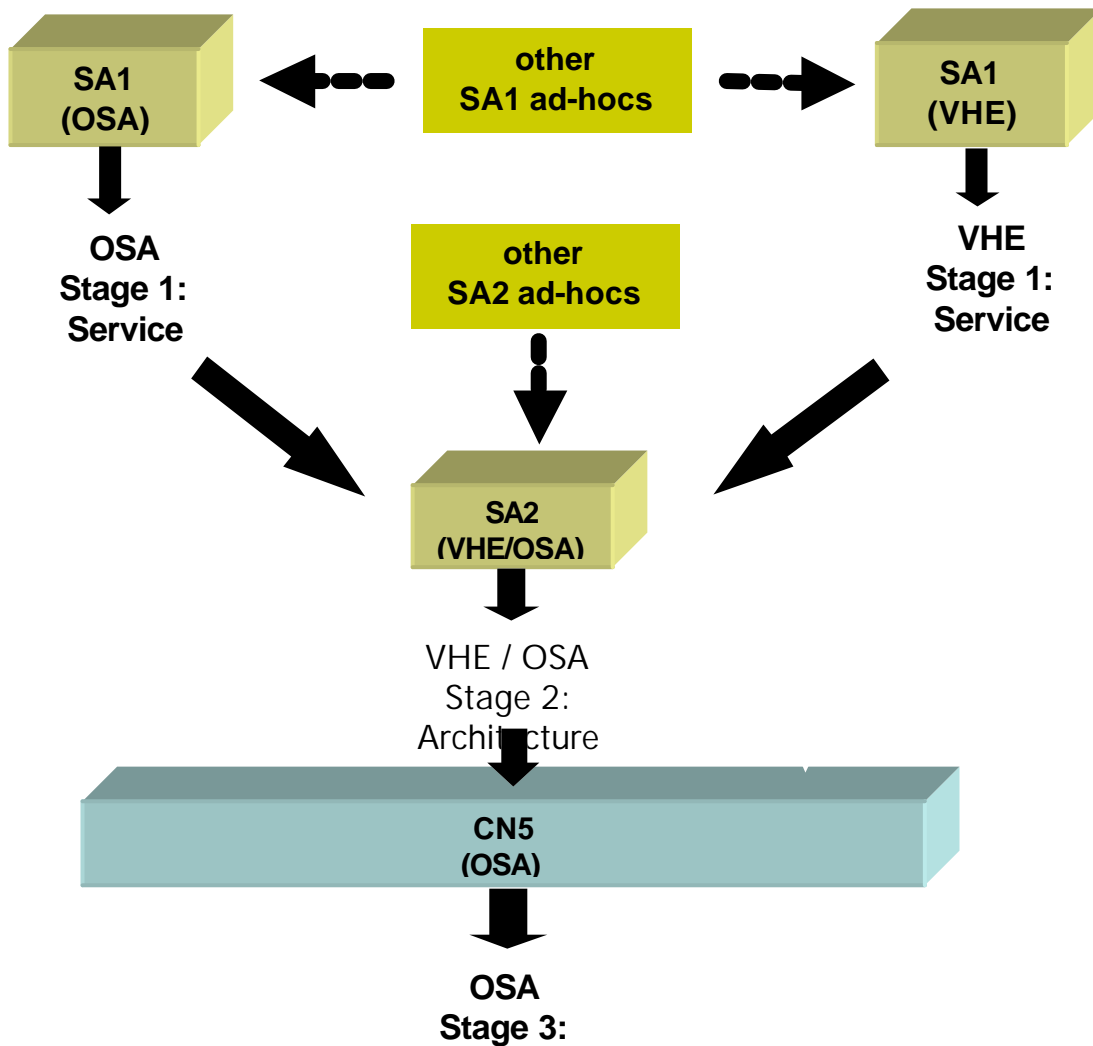
# Figure A (OLD)

**Figure B (NEW)**



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 $3^{rd}$ 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 TS 22.127 (version 5.0.0 already available) and TR 23.815 (still in draft form).

## 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 version 5.0.0, TS 22.121 version 5.1.0, TR 23.955 version 0.1.0, 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.xyz | | CN5 | | TSG#13 (09/01) | TSG#14 (12/01) | |

| Affected existing specifications | | | | |
|---|---|---|---|---|
| **Spec No.** | **CR** | **Subject** | **Approved at plenary#** | **Comments** |
| 29.198 | | | TSG#14 (12/01) | |
| 29.998 | | | TSG#14 (12/01) | |

## 11       Work item raporteurs
**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

| Building Block | Work Task | Description | Release |
|---|---|---|---|
| **OSA Stage 3** | WT 1: OSA API specification | Definition of the OSA API interface classes, and their methods and detailed behaviour, in line with release 5 requirements and architecture. | **Release 5** |
| **OSA Stage 3** | WT 2: OSA API IDL | IDL specification of the OSA API | **Release 5** |
| **OSA Stage 3** | WT 3: OSA API mapping | Functional mapping of OSA interfaces to UMTS network protocols () | **Release 5** |