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**Title:** STATUS REPORT, OSA R'99 STAGE 3

**Agenda item:** 5.5

**Document for:** INFORMATION/APPROVAL

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TSG CN WG5 has held three 2-3 days meetings since the last CN Plenary #07. During the second CN5 meeting Lucas Klostermann (LM Ericsson AB) and Chelo Abarca (Alcatel) were elected chair and vice-chair. MCC support was provided by Monica Hellman. Two of the meetings were held jointly with ETSI SPAN3, which is chaired by Frans Haerens (Alcatel). On average the meeting was attended by 15-20 participants, during the three meetings a total of 110 documents were processed.

Continuous co-ordination with S2 has taken place, and we had a joint meeting with the S2 VHE/OSA ad-hoc group during CN5#2 in Berlin.

## Status Overview

The CN WG5 results are reflected into two new specifications:

- **TS 29.198 – version 2.0.0 – Open Service Architecture; Application Programming Interface – Part 1 (188 pages)**  
This specification specifies the OSA API by means of Class Diagrams, State Transition Diagrams, Data Type definitions and IDL descriptions of the interface classes.
- **TR 29.998 – version 2.0.0 – Open Service Architecture; Application programming Interface – Part 2 (89 pages)**  
This report describes the mapping of the OSA API on the network protocols (i.e. CAP, MAP, WAP). Since the mapping is considered implementation specific it was decided to have an informative report describing this mapping. This report will provide a clear picture what the intention of each method of the interface classes is supposed to deliver.

## Scope

The TS 29.198 & TR 29.998 are describing the following service capability features:

- Framework SCF;
- Call Control SCF;
- User Interaction SCFs;
- Network User Location SCF;
- User Status SCF;
- Terminal Capabilities SCF; and
- Data Session SCF

The Framework API contains interfaces between the Application Server – Framework SCF and between Network Service Capability Server (SCS) – Framework SCF.

The purpose of the OSA API is to shield the complexity of the network, its protocols and specific implementation from the applications. It furthermore enables applications to combine different network service capability features, and combine network features with application logic and application data. It allows for flexibility in application development as well as in business scenarios.

## Status of open issues identified during CN#7

This section describes the status of the open issues as identified during the CN#7:

- Interface between Network SCF and Framework  
This is an important interface, since it allows for multi-vendorship, for inclusion of new SCF's in an operational OSA implementation.  
This interface **has been included** in the OSA R99 specification
- GPRS charging  
A new dedicated SCF called 'data session SCF' **has been included** in the OSA R99 specification, which enables data bearer session supervision (e.g. GPRS).
- 'String parameters'  
The structure of several parameters had not been defined (indicated as 'network/operator specific'), which could lead to incompatible solutions. Agreement on the structure of all the parameters identified has been reached, and the result **has been included** in the OSA R99 specification. This includes further specification of charging parameters.
- User Profile  
The issue of User Profile access and management is an important one, and needs further consideration. After an analysis of the issue, it was **agreed that this should be postponed to Release 00**, rather than rushing into something premature. This conclusion was reached in a joint meeting between CN WG5 and S2-OSA AdHoc.
- SMS charging was sometimes mentioned in conjunction with GPRS charging. No additional requirements on the UI API were identified, charging responsibility can take place above or below the API.

**All additions to the specification have been coordinated with S2**, and change request to TS 23.127 have been provided where applicable. Coordination with S1 has mainly been taken care of by S2.

## Proposal

During the last CN5 meetings a thorough review of the OSA specifications has taken place. At the end of the last CN WG5 meeting (CN#3 in Cardiff), all participating companies expressed confidence in the quality, and expressed support for the approval of the OSA stage 3 documents by CN#8.

Given this fact, and the fact that all open issues have been addressed (apart from an issue agreed by S2-adHoc/N5 to be part of R00), **CN WG5 would like to request the CN Plenary to approve the OSA Stage 3 documents.**

## Acknowledgements

The CN WG5 chair would like to thank all the participants for their very active participation to the OSA Stage 3 activity. Special thanks to Frans Haerens for the excellent co-operation between ETSI SPAN3 & 3GPP CN WG5, and to Monica Hellman for the MCC assistance.

Most thanks however to the editors of the draft specifications. Especially towards the end the pressure to finalise the documents with good quality, and in time, became larger and larger. The editors have done an excellent job.

- Ard-Jan Moerdijk (Ericsson, Netherlands)
- Musa Unmehopa (Lucent Technologies, Netherlands)
- Chelo Abarca (Alcatel, France)