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Title: STATUS REPORT, OSA R'99 STAGE 3

Agenda item: 5.5

Document for: INFORMATION

CN OSA has held three 2-3 days meetings since the last CN OSA Plenary #06. The meetings were chaired by Yun-Chao Hu (LM Ericsson AB) and assisted by Franco Settimo (MCC). All the meetings were held jointly with ETSI SPAN3, which is chaired by Frans Hearens (Alcatel). On average the meeting was attended by 15-20 participants and processed about 120 documents.

Status Overview

The CN OSA results are reflected into two new specifications:

- **TS 29.198 – version 1.0.0 – Open Service Architecture; Application Programming Interface – Part 1 (123 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 1.0.0 – Open Service Architecture; Application programming Interface – Part 2 (50 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 SCF;
- User Location SCF;
- User Status SCF; and
- Terminal Capability SCF

The Framework API contains interfaces between the Application Server – Framework SCF and between Network Service Capability Server (SCS) – Framework SCF. For Release 99, the Framework API is restricted to the interface between Application Server – Framework SCF.

The User Profiles are limited to the Terminal Capabilities for OSA R'99. Therefore, only limited functionality is available for the security within OSA R'99. The Framework & Network SCSs provide the following security mechanisms for OSA

- Checking the subscriber's registration to the SCS feature
- Checking the subscriber's activation of the SCS feature
- Checking the subscriber's privacy settings of the SCS feature

The purpose of the OSA API is to shield the complexity of the network, its protocols and specific implementation from the applications. This means that applications do not have to be aware of the network nodes a Service Capability Server interacts with in order to provide the Service Capability Features to the application. The specific underlying network and its protocols are transparent to the application.

Open Issues

The following open issues needs further resolution

- Specific formats of a number of network specific parameters needs to be specified (i.e. bearer capabilities, call interworking indicators, service code, tele services, call party category)
- Call related charging aspects needs further specification on parameter level. Interface classes and methods are already specified within TS 29.198.
- the set of parameters are stable, however, some OSA R'99 service drivers might request additional parameters and these will be expected as CRs.

Proposal

During the last CN OSA meeting a thoroughly review of the OSA specifications have taken place. The specifications are even further editorial enhanced after the last meeting and the documents are approved into version 1.0.0 by email correspondence. Considering the stable status of the OSA R'99 specifications and the assessment that work is complete, except the list of open issues to be addressed, **CN OSA would like to request the CN Plenary to approve the OSA Stage 3 documents.**

Acknowledgements

The CN OSA Conveyor would like to thank all the participants for their very active participation to the OSA Stage 3 activity. Special thanks to Frans Hearens for his excellent cooperation between ETSI SPAN3 & 3GPP CN OSA, special thanks to Franco Settimo for his excellent work and assistance.

It has also to be mentioned that without the devotion and effort of the editors to the documents, no result can be expected, although I have to admit that an issue of slave driving was involved. Therefore, my specific thanks to all the editors:

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