3GPP TSG SA WG3 Security — S3#14 **S3-000439**

2-4 August, 2000

Oslo, Norway

VHE Adhoc Group meeting #1 **Vhe ad (00) 015**
Stockley Park London
31st May 2000

Source: VHE Adhoc group

Work Item Description

Title: **Scope of Open Interface for Service Provision in Release 2000**

1 3GPP Work Area

	Radio Access
X	Core Network
X	Services

2 Linked work items

VHE Release 2000

3 Justification

The work item describes the requirements on the Open Service Architecture to offer sufficient opportunities for the creation of value added services by third parties.

4 Objective

The objective of this work item is to enhance the OSA interface for the communication between Applications and Service Capability Features (SCF).
The interface will be standardised in accordance to the functions 3GPP R00 networks will provide.

5 Service Aspects

The OSA API shall be independent of the 3GPP R00 toolkits.
The Service Capability Features shall be summarised in the OSA set of specifications.

This area of study could include identification of enhancements to the OSA interface based on the evolved network capabilities within the Core Networks. Examples of these are:

- Call Control (IP)
  This takes into account the ongoing development of the IP multimedia scenario and addresses the Call Control capabilities based on SIP and/or H.323
- E-Commerce

This takes into account the capabilities provided by the network to use the capabilities provided by the post processing of the charging capabilities (e.g. E-Pay). It will also involve the enhancements of the security to be provided by the network work and by the application.

Enhancements to OSA Release 99

This section will consider enhancemnts of SCFs that were not included in R'99. For example enhancement to SCFs to be included in the study of R00 should be :

- **User Location**
  Further integration of the Location Services within the provisioning of geographical positioning information, taking into account the evolution of the 3G networks associated with this capability.
- **Terminal Capabilities**
  .In R99, the mechanism to retrieve the terminal capabilities is only applicable to WAP phones. It is needed to study for R00 a mechanism that is applicable to all types of phones. Security mechanisms for the display of terminal capabilities information have to be studied too.
- **Enhanced UserProfileManagement**
  The integration of the Personal Service Environment Management (PSEM) within the Network and Framework SCFs.

- **Enhanced Session Control;**
  This provides the enhancements of the bearer manipulation and creation of bearers/sessions sessions (in particular negotiation of the QoS).

6 MMI-Aspects

none identified

7 Charging Aspects

The OSA API shall offer sufficient charging options to:
Supervise user activities for online charging features,
allow applications to access the online account
Allow applications to add charging information to network based charging records
Inform applications on network based charging event
etc.

8 Security Aspects

The OSA API shall provide security facilities to guarantee secure access to user confidentially information. Sensitive information has to be prevented from unauthorised access .

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)

The results of this Workitem shall be provided in a Technical Standard (stage 1, 2 and 3). Protocol solutions shall be harmonised with other bodies, such as SPAN3 and Parlay.

In order to clearly state the TSG-S1 Service Requirements to other TSG's and WG's in a timely fashion the following Work Plan is proposed.

S1	***Dates***	***Actions***
S1 VHE/OSA adhoc	May 31 2000	• Start the work • Produce the Work Item Description •
VHE/OSAe-mail list	June 19-20	• Email Discussion
OSA adhoc	June 22	• Conference call (3pm BST) • WID to be submitted to and approve at SA#8
SA	June 26 – 28 2000	• WI to SA for approval ???? subject to advice of S1 chairman
		•
S1 OSA Drafting Session	July 3/4 2000	• Produce draft Stage 1 document.
VHE/OSA e-mail list	July 10 – 11	• Email Discussion
OSA adhoc	July 11	• Conference call (2.00 pm BST)
S1	July 17 – 21 2000 Copenhagen	• draft Stage 1 at version 1.0.0
SA	25 – 28 September	Presented to SA #9 for information
SA	11- 14 December	Approval of final version at SA#10

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TS 22.osa	Open Service Architecture Network Interface	S1		#9	#10	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 23.127		Open Service Architecture;		
TS 29.198		Open Service Architecture;API Part 1		
TR29.998		Open Service Architecture;API Part 2		

11 Work item raporteurs

Dr. Jörg Swetina, Siemens AG

12 Work item leadership

TSG S1

13 Supporting Companies

Alcatel, Ericsson, Siemens, Fujitsu Telecom Europe, Nortel Networks,

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)