Technical Specification Group Services and System Aspects
Meeting #10, Bangkok, Thailand, 11-14 December 2000

TSGS#9(00) 0553

Source: **TSG SA1**

Title: **Various WIDs for information and approval**

Document for: **Approval**

Agenda Item: **7.1.3**

SA1 is presenting two Work Item Descriptions. The first is for a new work item Service Provider Name. The second is an update for Open Service Access (OSA). An earlier version of this latter WID has been approved in principle by SA #9 and this version is presented at the request of SA#9 with some minor modifications.

TSG-SA WG 1(Services) meeting#10 **TSG S1 (00) 841**
Orlando, USA 13th to 17th November **Agenda Item: 7.8**

Source: One 2 One Personal Communications Limited
Title: WID for Service Provider Name
Document for: Discussion and Approval

Work Item Description for the display of the Service Provider name on the UE

Introduction

This work item specifies work proposed to be carried out to define the service requirements related to the display of the Service Provider Name on the UE.

1 3GPP Work Area

TSG Service Aspects WG1 (Services)

2 Linked work items

CPHS Work Item in T3

3 Justification

In the current 3GPP standards, there is no service requirement related to the display of the service provider name and / or of the serving network name in the UE. It is felt beneficial to introduce a service requirement to clarify the standard behaviour of the terminal and some modification to the storage of such a name that are considered important by the service provider community. In view of the coming to market of mobile virtual network operators (MVNO) it becomes important to spell out clear rules on what name the UE should display when the users are in the home environment and when they instead camp in a foreign network. Due to the different market conditions envisaged in the future the standard shall be flexible enough to accommodate different solutions.

4 Objective

To define the behavior of the UE in respect to the display of the Service Provider Name and / or of the serving network name. To generate a framework that allows:

- dynamic change of the name
- flexible display responding to operator needs;
- flexible display responding to changes in the radio environment and/or charging conditions.

5 Service Aspects

Service requirement for the display of the service provider name

6 MMI-Aspects

Mandatory requirement for the display of the service provider name and / or of the serving network.

7 Charging Aspects

None

8 Security Aspects

None

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes	X				
No		x	x		
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
None						

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
22.101	x	Clarification on Service Provider Name display		
22.042	?			

11 Work item raporteurs

Michele Zarri, One 2 One Personal Communications Limited

12 Work item leadership

TSG SA WG 1

13 Supporting Companies

T-Mobil, One 2 One Personal Communications Ltd., Voicestream, MaxMobil.

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)

~~TSG-SA1 OSA ad hoc S1O00041~~
~~18th - 19th October, 2000~~
~~Wien, AUSTRIA~~

Source: 3GPP TSG-SA WG1 ~~OSA ad-hoc~~

Work Item Description

Title: Scope of the Open Service Access

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 Access to offer sufficient opportunities for the creation of value added services by third parties.
The new work item separates the OSA part from VHE/OSA Rel '99 since OSA describes an access interface to the network and should thus be considered a tool (such as CAMEL, MExE and USAT) to fulfil the needs of the VHE concept.
In addition it has been renamed to " Open Service ***Access*** " – while keeping the abbreviation " OSA " – to emphasise that only the Access interface is considered in the work item and that architectural tasks remain with VHE.

4 Objective

The objective of this work item is to enhance the OSA interface for the communication between Applications and Service Capability Features (OSA Release 1999).
The interface will be standardised in accordance to the functions 3GPP ~~R00~~ Release 4 networks will provide.

5 Service Aspects

The OSA API shall be independent of the 3GPP ~~R00~~Release 4 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 Release 1999 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. This could be for example: creation, deletion, splitting ... of call legs.

? E-Commerce
This takes into account the charging capabilities as described in (7) (e.g. E-Pay). It will also involve the enhancements of the security to be provided by the network and by the application.

Other enhancements to OSA Release 99

This section will consider enhancements of SCFs that were not included in R'99. For example enhancements to SCFs to be included in the study of ~~R00~~ Release 4 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 MExE and WAP phones. It is needed to study for ~~R00~~ Release 4 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 to report the QoS whenever it is negotiated or changed.

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 account. This could be done by e.g. accessing an online account or impact the postprocessing.
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 confidential 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, and 3). There is no specific OSA stage 2 as architectural and functional OSA aspects are cared for in stage 2 for VHE (TS 23.127)The work shall be aligned as far as possible with other bodies, such as ETSI SPAN 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.
It is assumed that requirements on e-commerce and User Location are feasible within the context of Release

4. The rational behind the assumption is, S1 believes that both (e-commerce & user location) requirements can be done by CN5 without waiting for S2 to complete their work on VHE. Further S1 see a urgent market need for these requirements.

All other OSA requirements seem feasible in 3GPP Release 5.

Additionally S1 would like to highlight the importance of Call Control functions, i.e. the OSA utilities for Call Control shall be available as soon as the underlying toolkits are supporting them.

S1	***Dates***	***Actions***
S1 VHE/OSA adhoc	May 31 2000	? Start the work ? Produce the Work Item Description
VHE/OSA e-mail list	June 19	? Siemens sends out initial draft of OSA stage 1. Subsequent Email Discussion, seek for comments and contributions. Updated draft will be distributed at the end of each week. (as version 0.1, 0.2 ...)
SA	June 26 – 28 2000	? WI to SA for approval ~~???? subject to advice of S1 chairman~~
S1 OSA adhoc Drafting Session	July 11 - 12	? Physical meeting, produce version 0.9.
S1	July 17 – 21 2000 Copenhagen	? ½ day OSA ad-hoc during S1 meeting to produce final draft Stage 1 at version 1.0.0
CN 5 / SPAN	5-7 September	Bristol, colocated with SA2 4-8th use Stage 1 as coming from S1 as first input
S1 OSA	14th to 15th of September	Stage 1 drafting, Sophia Antipolis
S1 / S2 / CN5	Week before 20th sept. to be decided	chairmen coordination, input for SA plenary milestone. (S3 WI needs to be taken into account as well)
CN #9	20-22 September	
SA	25 – 28 September	Stage 1 Presented to SA #9 for information Input for decision by SA whether content of December release is sufficient or release in March +
S1 OSA drafting /CN5	18-19 October	Vienna, collocated meetings
CN5	7-8 November	Sophia-Antipolis
S1 plenary	13-17 November	Orlando, USA ~~one day ad-hoc on OSA~~presentation of the current OSA stage 1, asking for the mandate for S1 OSA adhoc to continue work on 22.127 and to submit the result to SA#10.
S1 OSA	6-7 December	stabilise 22.127 and complete the content for Release 4. submit the result to SA#10 for approval.
~~CN5~~	~~mid December?~~	
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	Stage 1 Service Requirement for the Open Service Access	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		~~Equivalent TR for Rel'2000 needed ?~~

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, Lucent, Nokia

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