

3GPP - TSG SA #5
11-13 October, 1999
Kyongju, Korea

Tdoc SP-99396

Title: 3G TR 30.812 V 1.0.0:
Project plan on Services and Service Platforms

Date: 1999-10-06

Source: S2

Purpose: For information

Agenda Point: 5.2.3

The attached document contains version 1.0.0 of the Project plan on Services and Service Platforms.

**Permanent
Document**

**3rd Generation Partnership Project
3GPP work program
Project co-ordination aspects
Project Plan for Services and Service Platforms
(3G TR 30.812 version 1.0.0)**



Reference

Work Item Location services in UMTS

Keywords

Location services (LCS),
Digital cellular telecommunications system,
Universal Mobile Telecommunication System (UMTS),
UTRA, UTRAN, IMT-2000

3GPP

Postal address

3GPP support office address

650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Internet

<http://www.3gpp.org>

Contents

Foreword.....	4
1 Scope.....	4
2 References	4
3 Release 99.....	4
3.1 Work identified to fullfill the requirements for R99	4
3.1.1 Work to be done by TSG SA	4
3.1.1.1 Work to be done by WG S1	4
3.1.1.2 Work to be done by WG S2	4
3.1.1.3 Work to be done by WG S3	5
3.1.1.4 Work to be done by WG S4	5
3.1.1.5 Work to be done by WG S5	5
3.1.2 Work to be done by TSG RAN.....	5
3.1.2.1 Work to be done by WG R1	5
3.1.2.2 Work to be done by WG R2.....	5
3.1.2.3 Work to be done by WG R3	5
3.1.2.4 Work to be done by WG R4	5
3.1.3 Work to be done by TSG CN.....	5
3.1.3.1 Work to be done by WG N1.....	5
3.1.3.2 Work to be done by WG N2.....	5
3.1.3.3 Work to be done by WG N3.....	5
3.1.4 Work to be done by TSG T.....	5
3.1.4.1 Work to be done by WG T1	5
3.1.4.2 Work to be done by WG T2	6
3.1.4.3 Work to be done by WG T3	6
3.2 List of all the deliverables applicable to the subject	6
3.3 Time plan.....	7
4 Release 00.....	8
5 Change history	9
6 Annex A: Scope of the Services and Service Platforms project co-ordination ad-hoc group.....	10
7 Annex B: Contact person.....	11

Foreword

[Ed note: to be added by ETSI MCC]

1 Scope

This Permanent document describes the work program for the overall architecture for the Services and Service Platforms in UMTS.

2 References

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] TS 22.121

3 Release 99

3.1 Work identified to fulfil the requirements for R99

3.1.1 Work to be done by TSG SA

3.1.1.1 Work to be done by WG S1

- Service requirements for R99 have been approved (TS22.121) and are under change control.
- Support S2 in VHE/OSA stage2 work (e.g. introduce VHE/OSA concepts to S2 delegates to facilitate fast progress of stage2 work in S2) and detail R99 requirements if needed.

3.1.1.2 Work to be done by WG S2

- Overall coordination of VHE/OSA stage2.
- VHE aspects:
 - Investigate the location of user profiles: in network, in terminal or distributed? (i.e. different VHE mechanisms such as CAMEL and MExE require storage of profile data at different places).
- OSA aspects:
 - Specify the OSA application interface based on VHE/OSA stage1 service capability features. This means detailing the service capability features in terms of interface classes in the Framework, Service Capability Servers and Application Server. Each interface class can be defined in terms of its methods and parameters.

3.1.1.3 Work to be done by WG S3

- Security and privacy aspects of VHE and OSA.

3.1.1.4 Work to be done by WG S4

None identified

3.1.1.5 Work to be done by WG S5

None identified

3.1.2 Work to be done by TSG RAN

3.1.2.1 Work to be done by WG R1

None identified

3.1.2.2 Work to be done by WG R2

None identified

3.1.2.3 Work to be done by WG R3

None identified

3.1.2.4 Work to be done by WG R4

None identified

3.1.3 Work to be done by TSG CN

3.1.3.1 Work to be done by WG N1

None identified

3.1.3.2 Work to be done by WG N2

- Map the interface classes (and their methods and parameters) specified in the stage2 of the OSA application interface onto the protocols used by the Service Capability Servers (e.g. mapping of Call Control interface classes onto CAP operations and parameters).
- Identify possible interworking between CAMEL, MExE and SAT

3.1.3.3 Work to be done by WG N3

None identified

3.1.4 Work to be done by TSG T

3.1.4.1 Work to be done by WG T1

None identified

3.1.4.2 Work to be done by WG T2

- Identify possible interworking between CAMEL, MExE and SAT

3.1.4.3 Work to be done by WG T3

- Identify possible interworking between CAMEL, MExE and SAT

3.2 List of all the deliverables applicable to the subject

List of deliverables					
Del #	Title	Working Group	Editor	Completion date	Comment
TS22.121	The Virtual Home Environment, stage1	S1	J. Ogunbekun Fujitsu	06/99	
TS23.xxx	VHE and OSA, stage2	S2	Ericsson	10/99	
T.b.d.	VHE and OSA, stage3	T.b.d.	T.b.d.	T.b.d.	

3.3 Time plan

	Calender week (99)																				
Docu ment	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
23.xxx	S2				S2			S2													

4 Release 00

TSG SA WG1 is currently discussing the VHE/OSA service requirements (stage1) for Release2000 : These requirements will be included in the document capturing the Release99 service requirements (TS22.121) by means of CR and clearly marked as requirements for R2000 to distinguish them from the Release99 requirements.

VHE/OSA stage2 work for Release2000 has not been started yet (it will be started after approval of the Release99 stage2 work for VHE/OSA has been finished).

5 Change history

Change history					
SA2 No.	TDoc. No.	CR. No.	Section affected	New version	Subject/Comments
				V1.0.0	For presentation to SA plenary

6 Annex A: Scope of the Services and Service Platforms project co-ordination ad-hoc group

Scope

The 3GPP Services and Service Platforms ad hoc group is responsible for the following activities:

- establish a common understanding in 3GPP of the VHE and OSA work to be carried out for stage2 and 3 in 3GPP Release99;
- identify the appropriate working groups for carrying out the VHE and OSA work and ensure these groups get involved in a timely manner;
- coordinate the work on VHE and OSA in 3GPP; establish a time plan for the work.

Working approach

In order to deliver mature VHE/OSA stage2 and 3 specifications in the tight 3GPP R99 time frame, the following working approach is proposed:

- During first two S2 meetings after S2 #6 (S2 #6bis and S2 #7) delegates in S2 can contribute to VHE/OSA stage2 on all service capability features identified in VHE/OSA stage1. Contributions are expected on:
 - General explanation of the OSA architecture (e.g. relation between Framework, Service Capabilities and Applications etc.)
 - Interface classes (and their methods and parameters) implementing the service capability features defined in VHE/OSA stage1.
 - User profile handling
- During the meetings S2 #8 and S2 #9, VHE/OSA stage2 specification is not extended anymore with interface classes implementing service capability features that are not captured yet in the VHE/OSA stage2 output of S2 #7. Only contributions that improve the implementation of service capability features captured in VHE/OSA stage2 after S2 #7 are expected. S2 #8 and S2 #9 are thus meant to complete what we have after S2 #7 rather than to add interface classes for other service capability features.
In this way we can achieve a mature specification in 3GPP R99.
- The MAP/CAMEL, MExE and SAT activities in 3GPP will cover to a large extent VHE issues in 3GPP R99. Focus of S2 should therefore be on OSA. We can take from CAMEL, MEXE, SAT and HLR what is currently available, i.e.:
 - CAMEL phase3 stage1/2/3 (possibly CAMEL phase 2 as fallback);
 - MExE R98 stage1/stage2 (possibly MExE R99 stage1/stage2 later in 1999);
 - SAT stage1 (GSM02.38v2.0), already transferred to 3GPP?;
 - HLR in 3GPP R99 (verify the status of MAP development in N2).

Introduction to VHE and OSA concepts

The VHE and OSA concepts can be summarised as follows:

VHE

Portability of the personal service environment (i.e. personalised information defining how subscribed services are provided and presented to the user) across network boundaries and between terminals.

OSA

The architecture that opens up networks, enabling applications to be executed on various networks, using various network elements (e.g. CSE, HLR). The OSA distinguishes three parts that are interfacing through the standardised Application Interface. These three parts are:

1. Service Capabilities, including:
 - Service Capability Servers (R99: Camel, MExE, SAT, HLR, etc) and
 - Access to GSM/UMTS bearers
2. Applications, provided by network operators and/or service providers
3. Framework, needed for generic mechanisms such as registration of service capabilities and authentication of applications

The OSA requirements in TS22.121 are specified in terms of service capability features. The service capability features define what functionality is offered by the Service Capabilities and the Framework to the Applications through the Application Interface. The use of service capability features is also a means to structure the functionality comparable to the way a signalling protocol is structured in a set of operations.

7 Annex B: Contact person

Group	Contact person*
Overall	Rob Schmersel (chair)
S1	Jumoke Ogunbekun
S2	Erwin van Rijssen
S3	?
T2	Mark Cataldo
T3	?
N2	?

*Where no contact person is nominated the chair man of the group is contact person