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Kyongju, Korea

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Title: 3G TR 30.804 V 1.0.0:
Project plan on GSM/UMTS Interoperation and Mobility Management

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 GSM/UMTS Interoperation and Mobility Management.

3G PD 30.804 1.0.0 (1999-10)

**Permanent
Document**

**3rd Generation Partnership Project
3GPP work program
Inter group co-ordination aspects
Project Plan for GSM/UMTS interworking and MM in UMTS
(3G PD 30.804 version 1.0.0)**



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Reference

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Keywords

GSM/UMTS interworking, UMTS Mobility Management
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>

Foreword

[Ed note: to be added by ETSI MCC]

1 Scope of the documents

This document presents a co-ordination plan for GSM/UMTS interworking and UMTS mobility management. The following issues are discussed:

- Interoperation between GSM and UMTS network(s) and Mobility Management
 - work to be carried out
 - involved groups
 - working approach
 - time plan
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2 References

To be incorporated later

3 Release 99

3.1 Work Identified to fulfil requirement for Release 99

The main task of the ad hoc group is to ensure that the work is progressing in all the involved groups and report to the S2 meeting so that a consolidated work-plan can be established as a management tool for the co-ordination role of the TSG SA to be efficient.

3.1.1 Work to be carried over by SA

3.1.1.1 Work to be carried out by S1

Text to be incorporated by S1 representative

3.1.1.2 Work to be carried out by S2 and SMG12

Text to be incorporated from S2 and SMG12

Determination of the system architecture for the GSM/UMTS interworking considering the requirements from S1 (eventually also S3, S4 and S5). Determination of system architecture aspects of UMTS mobility management. Identification of new entities and interfaces of the overall system architecture related to these two topics as well as the determination of the principle protocol stacks of the user and control plan.

3.1.1.3 Work to be carried out by S3

Work to be referenced from the Security co-ordination group for the specific aspects

3.1.1.4 Work to be carried over by S5

Text to be provided by the representative from S5

3.1.2 Work to be carried over by RAN

Text to be provided/reviewed by the representatives from R1, R2, R3 and R4 in different subsections

3.1.3 Work to be carried over by CN

Text to be provided/reviewed by the representative from N1, N2 and N3

3.1.4 Work to be carried over by T

Text to be provided/reviewed by the representatives from T1, T2 and T3

3.1.5 Work to be carried over by SMG2

Text to be provided/reviewed by the representatives from SMG2 WPA and SMG2 WPB

3.2 Deliverable

Group	Involvement in GSM/UMTS inter-working and UMTS mobility Management
R1	GSM/UMTS interoperation implications to the Layer 1 for the DS and TDD mode (25.2 series)
R2	GSM/UMTS interoperation implications to the Layer 2 and RRC including handover from UMTS to GSM (25.3 series)
R3	GSM/UMTS interoperation implications to UTRAN (including handover from UMTS to GSM) for internal interfaces: Iu, Iur, Iub including (25.4 series)
R4	GSM/UMTS interoperation implications to the conformance testing for the UTRAN (25.5 series)
SMG2 WPA	GSM/UMTS interoperation implications to BSS (including handover from UMTS to GSM) from the signalling point of view including the A and Abis Interfaces. (04.08, 08.08 and 08.58)
SMG2 WPB	GSM/UMTS interoperation implications to the Layer 1 for the GSM radio (05series)
S1	GSM/UMTS interoperation at the service level including requirement for re-negotiation of bearers at inter-system handover
S2	GSM/UMTS interoperation at the system level for the UMTS including architectural aspects
SMG12	GSM/UMTS interoperation at the system level for the GSM including architectural aspects
S3	GSM/UMTS interoperation for Security aspects
S5	GSM/UMTS interoperation for O&M aspects
N1	GSM/UMTS interoperation at the User/Core network interface
N2	GSM/UMTS interoperation at the NNI interface
N3	GSM/UMTS interoperation for Circuit Switched Data services
T1	GSM/UMTS interoperation implications to the conformance testing for the UE
T2	GSM/UMTS for the services in the UE
T3	GSM/UMTS interoperation for the SIM aspects and SIM/ME interface

List of deliverables					
Del #	Title	WG	Editor	Completion date	Comment
TS23.121	Architectural Requirements for Release 1999	S2	Elizabeth Daniel [lizdaniel@LUCENT.COM]	10/99	
TS23.060	GPRS Stage 2 (to be updated)	S2	Hans-Petter Naper [Hans-Petter_Naper@europe34.mot.com]	10/99	
TS23.101	General UMTS Architecture (3G TS 23.101 version 3.0.1)	S2	Magnus Olsson, Ericsson	10/99	
TS23.110	UMTS Access Stratum; Services and Functions	S2	Oscar Lopez-Torres [Oscar.Lopez@t-mobil.de]	10/99	
TR23.920	Evolution of the GSM platform towards UMTS	S2	Elizabeth Daniel [lizdaniel@LUCENT.COM]	10/99	
TR23.930	Iu principles	S2	Bo Axerud [bo.axerud@NOKIA.COM]	10/99	

Editorial note: I would assume that all these documents are somehow related to this topic of GSM/UMTS interworking and mobility management. The ones that may be less obvious is 23.110.

3.3 Time plan

For the different subgroups of the RAN materials to be made available in for SA#5 (October 99) except for R4 that can finalise its work for SA#7

For the different SA and SMG12 subgroups requirement to be provided 30/9/99

For the different subgroups of CN detailed stage 2 and stage 3 to be finalised for SA#6

For the different subgroups of T materials to be made available for SA#6 except for T1 that can finalise its work for SA#7

To be established with the relevant representative of the different groups involved.

Week	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Group																					
S1																					
S2/SM G12																					
S3																					
S5																					
R1																					
R2																					
R3																					
R4																					
N1																					
N2																					
N3																					
SMG2 WPA																					
SMG2 WPB																					
T1																					
T2																					
T3																					

4 Release 00

5 Change History Change history

Date	New version	Subject/Comments
July 1999	V0.0.0	First draft, Tdoc SA2-99646
September 1999	V0.0.1	According to agreed document structure
October 1999	v.1.0.0	Content identical to the one of the previous version (editorially modified for presentation at TSG SA#5)

6 Annex A: Scope of the UMTS location services inter group co-ordination ad-hoc group

During the SA #4 meeting in Miami, it was decided to establish 3GPP co-ordination groups to co-ordinate the work on "horizontal" tasks and to ensure involvement of all 3GPP groups relevant for a particular area.

One of the areas identified for co-ordination is GSM/UMTS interoperability. It was also combined with the aspects of the Mobility Management.

7 Annex B: Contact persons

Group	Chair person/ Contact person*	Email
SMG12	Francois Courau	francois.courau@alcatel.fr
SMG2 WPA	Jean-Francois Minet ?	
SMG2 WPB	Niels Peter Skov Andersen	
S1	Alan Cox ?	alan.cox@vf.vodafone.co.uk
S2	Teuvo Jarvela Jan Käll	teuvo.jarvela@nmp.nokia.com jan.kall@nokia.com
S3	Michael Walker ?	mike.walker@vf.vodafone.co.uk
S5	Albert Yuhan ?	ayuhan@omnipoint-pcs.com
R1	Antti Toskala	antti.toskala@nokia.com
R2	Denis Fauconnier ?	dfauconn@nortelnetworks.com
R3	Per Willars ?	per.willars@era.ericsson.se
R4	Ben Howard ?	
T1		
T2	Kevin Holley ?	kevin.holley@bt.com
T3		
N1	Hannu Hietalahti	hannu.hietalahti@nmp.nokia.com
N2	Ian Park ?	ian.park@vf.vodafone.co.uk
N3	Achim Braun	

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