

**Agenda Item:** 3.2 Draft report of WG2 to the second TSG-SA  
**Source:** Convenor (Yukio Hiramatsu, NTT)  
**Title:** Proposed Draft report of WG2 to the Second TSG-SA  
**Document for:** Discussion

### 1. General Overview of Progress

After the first TSG-SA, two WG2 meetings were held as follows:

- The first WG2 held in Walnut Creek, California on 20 – 21 January, 1999
- The second WG2 held in Kista, Stockholm on 4 – 5 February, 1999

As the result of the two WG2 meetings, the following are agreed upon:

- Terms of Reference for WG2
- Initial list of deliverables and base documents
- Initial list of work Items
- Work plan for each deliverable
- Mechanism for technical coordination across TSGs and WGs
- Proposal of the project support
- Schedule of the future WG2 meetings

Each item is described in the following sections.

### 2. Terms of Reference for WG2

WG2 Terms of Reference was discussed based on the relevant part of the Terms of Reference for TSG-SA. As the result it was agreed to replace the phrase “identification of key information flows” with “associated high level functional interactions” in order to avoid possible duplication of work with other WGs. With this modification WG2 Terms of Reference was agreed as follows:

“Definition, evolution and maintenance of the overall architecture including the assignment of functions to particular subsystems (e.g. UTRAN, CN, Terminal, USIM) and associated high level functional interactions.

In co-operation with the other TSGs, define required services, service capabilities and bearers capabilities offered by the different subsystems, including Quality of Service requirements for access to both packet and circuit switched networks.

In addition the Architecture Working Group will consider how to carry out the technical co-ordination and overview role with the other 3GPP TSGs

### 3. Initial list of deliverables and base documents

The input documents from ETSI and TTC were considered. Finally, it was agreed to start with the deliverables and base documents that are identified in SMG12. Initial set of those is shown in the following table. This list may be enhanced based on further input from Partner Organizations and

## Individual Members.

Doc. No.	Source	Title	Base document, Version	Rapporteur
23.01	SMG12	General UMTS Architecture	23.01	
23.05	SMG12	UMTS network Principles	23.05	
23.10	SMG12	Access Stratum	23.10	
23.20	SMG12	Evolution of GSM platform towards UMTS	23.20	
23.30	SMG12	Principles for the Iu interface	23.30	
TR	SMG12	End-To-End QoS Management	TR	
TR	SMG12	IP-in-IP tunneling in GPRS	TR	
TR	SMG12	Combined GSM and Mobile IP Handling in UMTS IP CN, phase 1 and 2	TR	
TR	SMG12	Investigation of a UMTS CN Based on ATM	TR	
TR	SMG12	UMTS Open Service Architecture	TR	
TR	SMG2	Multimedia in UMTS	TR	
TS07.60	SMG4	MS Support of GPRS		
TS09.61	SMG4	Interworking between the PLMN and IP-based networks		
SMGMM 98053	SMG4	Summary of Conclusions on Multimedia		
SMGMM 98054	SMG4	Summary of Conclusions on Multimedia Store and Forward		
SMGMM 98049	SMG4	Real Time Multimedia in UMTS (Draft Report)		

## 4. Initial list of work Items

Proposed Work Items from ETSI (as described in UMTS.30.00) and those from TTC (as proposed in TSG#1Doc059) were considered. As the result it was agreed to start with Work Items of ETSI. The initial list of WG2 Work Items is shown in the following table. This list may be enhanced based on further input from Partner Organizations and Individual Members.

No.	Work Items	Linked Work Items	Output Docs	Rapporteur
E1	Service continuity and provision of VHE via GSM/UMTS	CAMEL Phase 3, Mobile Station Execution Environment, UMTS		
E2	ETE UMTS QoS management	Bearer service negotiation and teleservice		
E3	IP in IP tunneling in GPRS backbone for UMTS Phase 1	GPRS Mobile IP interworking		
E4	Combined GSM and Mobile IP handling in UMTS IP CN phase 1 and 2	GPRS Mobile IP interworking		
E5	UMTS core network based on ATM transport		(23.30)	
E6	UMTS Open Service Architectue	CAMEL Phase 3, SIM application toolkit, MExE, Service continuity and provision of VHE via GSM/UMTS		
E7	Support of non-realtime multimedia messaging service	Multimedia in UMTS, Numbering and addressing		
E8	Multimedia in UMTS	Multimedia messaging, Numbering and addressing		
E9	Study on provision of facsimile services in GSM and UMTS	None		
E10	Provision of text telephony service in GSM and UMTS	Multimedia in UMTS		

E11	Virtual Home Environment	Service management, CAMEL Phase 3, MExE, SIM toolkit		
E12	Charging and Billing for GPRS – Hot Billing (R99)	None	02.60, 03.60	
E13	Point-To-Multipoint services (R99)	UMTS	03.61, 03.62	
E14	New access network to core network (BSS-NSS) interface		23.30	
E15	Architecture overview of the GSM-UMTS system		23.01, 23.10	
E16	Architecture the GSM-UMTS platform		23.20, 23.05	

## 5. Work Plan for each deliverable

(to be provided)

## 6. Mechanism for technical coordination across TSGs and WGs

The following mechanism for coordination was agreed to be proposed to the TSG-SA:

(1) Develop and maintain a UMTS 30.00 (UMTS Work Programme) like document for the following purposes:

- List up all the Work Items relative to the 3G (or UMTS) systems. This enables TSG-SA to monitor progress on Work Items tackled by other TSG as well.
- Show relationship (or link) between Work Items.
- Show TSs and TRs relevant to each Work Item and overall work plan for these documents.

(Note) This document will be defined subject to the agreement by other TSGs/WGs.

(1) Use 23.20, "GSM to UMTS evolution" for overall technical coordination across TSGs. For this purpose Sections of 23.20 should be reorganized to clearly distinguish stable part from non-stable part. This reorganization will be done under SMG12 leadership before SMG plenary scheduled in second week February 1999.

## 7. Proposal of the project support

It was agreed to propose Attachment 1 to the TSG-SA.

## 8. Schedule of the future WG2 meetings

### 8.1 WG2 meeting dates during year 1999

It was agreed that WG2 meetings should be held being co-located with SMG12 as much as possible since there are issues of common interest between UMTS and GSM/GPRS. The following meeting dates were agreed upon.

WG2 meetings	Location	Dates
WG2-#1 (Confirmed)	Walnut Creek, CA	20 – 21 January, 1999
WG2-#2 (Confirmed)	Stockholm	4 – 5 February, 1999
TSG-#2	Dallas	1 – 5 March, 1999
WG2-#3	Europe	15 – 19 March, 1999

WG2-#4	Japan	17 – 21 May, 1999
TSG-#3	(in parallel with SMG plenary)	21 – 25 June, 1999
WG2-#5	U. S. A.	12 – 16 July, 1999
WG2-#6	Europe	23 – 27 August, 1999
WG2-#7	Europe	25 – 29 October, 1999
WG2-#8	Asia	13 – 17 December, 1999

## 8.2 Agenda for the third WG2 meeting

(to be provided)

Attachment 1

(to be provided)