

**3GPP TSG SA Plenary, Meeting #11**  
**Palm Springs, USA.**

**Tdoc SP-010196**

**18<sup>th</sup> - 21<sup>st</sup> March 2001**

## **Assessing the Requirements for Deploying Key 3G Services**

Monday 23<sup>rd</sup> & Tuesday 24<sup>th</sup> April 2001

ETSI Headquarters, Sophia Antipolis, France

### **Workshop Outline Programme**

**Draft for discussion**

**Comments from 3GPP are invited, particularly on the make up of the breakout groups and potential speakers**

### **DAY 1 (Monday 23 April)**

**09:30 Welcoming remarks**

#### **Session 1: The 3G Service Revenue Opportunity**

**09:40 Chairman's introduction**

#### **9:50 3G Service Categorisation**

Recent studies conducted by the UMTS Forum have clarified the definitions of services and applications and have introduced a simple but comprehensive categorisation of 3G services viewed from a market perspective. What are the characteristics of these service categories and how do they relate to different business approaches that could be adopted by operators?

#### **10:10 3G Service Demand Forecasts**

Rigorous modelling techniques applied to the UMTS Forum service categorisation has enabled potential service revenues to be forecast at regional and global levels. Significant market demand for 3G services has been identified. Which service categories have most revenue potential, what is the predicted roll-out sequence and priorities and how does this vary between regions?

**10:20 Positioning Mobile Operators in the New Value Chain**

A range of business models applicable to the new mobile Internet environment has been explored by the UMTS Forum. What are the characteristics of these business models and what are the implications for standardisation? How would the proposed Mobile Multimedia Portal Platform impact the standards process?

### **10:40 3G Application Platforms**

Operators need open platforms that are capable of providing rapid and continuous support for new applications. Raw IP-connectivity is not enough for integrated multimedia services. What are the implications for protocols, languages and standards?

### **11:00 Questions & Answers on Session 1**

### **11:10 Coffee break**

### **Session 2: The Status of Standardisation Activities**

### **11:30 3GPP: Work Plan and Releases**

Current status of 3GPP work plan and predicted availability of major work items.

### **11:50 Service Requirements for the IP Multimedia Subsystem**

High level requirements for IP multimedia sessions have been established and include negotiable QoS and support for interworking between packet and circuit switched services. What are the implications for IP multimedia service creation? What other requirements are there in order to meet the "All IP Vision"

### **12:10 IP goes Mobile**

Current status of mobile IP activity within the IETF. Focus on SIP. 3G is expected to bring the Internet to the mobile user - What developments are expected in Internet services and Internet standards, within the 3G timeframe, which might affect 3G services?

### **12:30 TIPHON**

Voice over IP standardisation within ETSI TIPHON.

### **12:45 3GPP2 Status Report**

Current status of standardisation activity within 3GPP2.

### **13:00 Evolution to All-IP – an Operator Perspective**

A phased approach to the evolution to all-IP allows controlled investment and managed risks for network operators. What are the critical success factors in such an approach and what are the implications for standardisation of the IP core network and the possible future standardisation of IP RAN and IP Air Interface?

### **13:15 The Multimedia Roadmap**

3G is intended to bring Internet multimedia to the mobile user including corporate business applications, information and consumer entertainment applications. 3G must deliver the internet applications which will exist when it is deployed and as it evolves. This presentation will look at current and future developments for internet browsers (fixed and mobile) video, graphics, music, games, interactive applications, security and e-business.

### **13:30 Questions & Answers on Session 2**

### **13:40 Lunch break**

## **Session 3: Technology Enablers for 3G Services**

### **14:40 Group discussion**

Specific technology enablers are required to be in place before each of the service categories discussed in session 1 can be deployed. Many of these technology enablers have already been identified and a comprehensive list will be presented as a basis for discussion during this group session. Examples include Streaming Constraints, Private vs. Public Addressing, Security, Voice Interaction, Language Support, SIP Call Control, QoS Management, OSA, SIM Toolkit, MExE, Terminal Capabilities Negotiation, Script and Protocols.

Full audience participation is expected during this session to identify any missing technology enablers and to allocate key technology enablers to the standardisation areas of Core Network, Radio Access Network, Services and System Aspects, and Terminals.

### **16:10 Coffee break**

### **16:30 Break-out Sessions**

Workshop participants will be free to join any of the four break-out groups according to their specific areas of interest.

The initial role of each break-out group will be to map the allocated key technology enablers to work items (features and building blocks) and within standardisation bodies. Appropriate templates for this mapping process will be provided.

Each break-out group is then tasked with establishing a priority plan for standardisation activities taking into account the 3G service requirements, the technology enablers, the current status in standardisation bodies and the identified all-IP models. Specific items to be addressed by each group include:

- Is the status of the standardisation work in line with the 3G service requirements?
- Are there major gaps in the current standardisation work plan?
- Is the time plan of the standardisation work in line with 3G market needs?

**Group A: Core Network**

**Group B: Radio Access Network**

**Group C: Services Architecture and Principles**

**Group D: Terminals**

**18:00 End of Day 1**

## **DAY 2 (Tuesday 24 April)**

### **08:30 Plenary Session**

Interim reports from moderators of break-out groups on mapping of the allocated key technology enablers to work items (features and building blocks) within standardisation bodies. The main purpose of this session is to ensure that the key technology enablers have been allocated to the correct break-out groups.

### **09:00 Break-out Sessions – Establishing a Priority Plan for Standardisation Activities**

Representatives of the UMTS Forum responsible for Reports 9, 10 and 11 will be available to all of the break-out groups for discussion and clarification of market-related issues.

#### **Group A: Core Network**

#### **Group B: Radio Access Network**

#### **Group C: Services Architecture and Principles**

#### **Group D: Terminals**

### **12:30 Lunch break**

### **Final Session – Assessing the Results of the Workshop**

#### **13:30 Chairman's introduction**

#### **13:40 Presentation of Results from Group A: Core Network**

#### **14:00 Presentation of Results from Group B: Radio Access Network**

#### **14:20 Presentation of Results from Group C: Services Architecture and Principles**

#### **14:40 Presentation of Results from Group D: Terminals**

### **15:00 Coffee break**

**15:30 Conclusions, Recommendations and Output from the Workshop**

**16:00 Close of Workshop**