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Title: UMTS Forum Work Programme for year 2003

Agenda item: 11

Document for:

Decision	
Discussion	
Information	X

1 INTRODUCTION

The UMTS Forum sets its programme of work at the beginning of each year and this paper details some of the work that it has recently completed and highlights current projects. The objectives of the work are summarised below.

- Education and promotion of the benefits of UMTS (both standards and services) and the lessons learnt from its implementation process
- To support and promote the 3GPP standard and the evolution from GSM to UMTS

The purpose of this paper is to acquaint 3GPP PCG members of the work of the Forum and show how the reports and studies produced can be of benefit to them.

2 STRUCTURE OF THE WORKPLAN

At high level the structure of the plan is divided into the following strands which translate into a very comprehensive programme of work.

2.1 GLOBALISED SPECTRUM AND SPECTRUM ARRANGEMENTS

WRC activities

The UMTS Forum's Spectrum Aspects Group is very active in WRC and CEPT fora. At the recent WRC 2003 the Forum was successful in presenting its members views on aspects such as spectrum sharing with the Broadcast Satellite Service and WLAN spectrum at 5GHz. The next steps are to reach a consolidated UMTS Members view for WRC- 2007 on spectrum requirements. The issues include WRC agenda item 1.224 (spectrum for IMT-2000); the expansion bands at 2.5GHz. This is an area where the UMTS Forum can work with 3GPP on the expansion bands activity. Another area the Forum is working on is item 1.349 (spectrum sharing with BSS)

Spectrum traffic characteristics studies

The first phase of the traffic characteristics study (looking at types of services customers will use and

when and where they will use them) has now been completed and a contribution to ECC PT1 in January 2004 will be made. The study highlighted that the downlink traffic dominates the busy hour with the overall asymmetry of 0.43. In other words, on average, there is over twice (2.3) as much traffic flowing to the end-user as flows from the end-user back to the network. These results are from the service asymmetry assumptions made during this study.

WLAN study on Spectrum

There is a recent Report from the UMTS Forum on the impact of WLANs on 3G which 3GPP members may find of interest. Earlier reports have dealt with quantitative and qualitative aspects as well as with WLAN spectrum and regulatory aspects. In its Report 22 'Impact & Opportunity: Public Wireless LANs and 3G Business Revenues' UMTS Forum concluded that UMTS/3G and Wireless LAN are complementary rather than competitive technologies.

In another, report 25 this gives details of what frequencies are in use in what countries for both public and private use. This report will shortly be updated as part of a rolling 6 month programme to ensure the latest details are recorded.

The latest report (28) on WLANs/TDD and spectrum has been prepared by UMTS Forum with the following objectives:

- To carry out UMTS TDD market survey to obtain information on likely market introduction of TDD, status of manufacturers developments, features of TDD terminal and infrastructure equipment, etc.
- To provide a relative assessment of UMTS TDD & WLAN technologies.

The report has no conclusions as such but does provide valuable information in the following areas:-

Results of a TDD market study; A TDD system overview; and relative positioning of TDD and WLAN technologies.

2.2 MARKET & RESEARCH

Evolution of UMTS (white paper)

The UMTS has produced an evolution White paper on the long-term evolution within the 3GPP framework of GSM towards UMTS. This material will be the subject of a separate input to 3GPP.

IMS phase 2 report

This report presents a structured way to consider the many choices facing network operators as they

consider delivering IMS services. The analysis in this report is a continuation of a series of on-going

market assessments conducted by the UMTS Forum. One important service identified in the study is the emerging importance of push to talk services.

The study concluded that IMS deployment is a strategic decision, not a network technology decision. The decision to deploy IMS implies a direction towards an IP-based network architecture, a more sophisticated approach to service delivery and competitive advantage, and a willingness to enter into a broader industry

alignment with fixed and Internet players. A further study will soon be underway concentrating on the "all IP" aspects of IMS.

Social shaping: preparing the 3G customer

This report into customers behaviour concentrated in three areas;-

- 1 Mobile devices do not enable more social relations but more intensive relations with already existing social contacts.
- 2 Users have a more emotional relationship with their mobile phone than they do with other forms of computational device
- 3 The intersection of public by private behaviours enabled by mobile phones will reach a threshold beyond which resistance will start to occur.

The second phase looks at UMTS and society: what are the sociological issues that the mobile industry must be aware of as new services and applications are introduced.

2.3 OTHER ACTIVITIES

Mobile Top level domain study

The Forum published a report earlier in 2003 on mobile TLDs which explained the advantages and disadvantages of applying to ICANN for a mTLD. It was difficult in the Forum to reach a consensus on such a strategic area but an application will be made in October. Nokia and Telnet two members of the Forum have been active in briefing members on alternative proposals.

Devices report

The Forum will be publishing in October an updated report on mobile terminals reflecting the changes that have occurred over the last year in the terminals field.

Settlements and billing

A study on settlement and billing issues relating to services on UMTS is currently being scoped and work will begin shortly

Promotional activities of the Forum

Much of the work of the Forum is on regional promotional activities. We have been very active in Brazil for several years now and participated recently there with ETSI as part of the @LIS programme. The next activity is in November at the 3GSM Americas event.

The Forum is also running a workshop in Prague in October with the objective of seeking harmonised spectrum for the extended EU and neighbouring countries. This contrasts with the recent workshop the Forum held in Beijing where we were seeking early licensing of 3G spectrum on fair and reasonable terms for the operators.

The Forum has also been active in North Africa in April 2003 working with the Moroccan Regulatory Authority together with ETSI.

3 CONCLUSIONS

The UMTS Forum as the voice of 3G is working on educating and informing the industry on issues relating to 3G. This paper is to give 3GPP PCG members an opportunity to see the see work of the Forum. Members of the Forum can get access to all these reports and white papers from the website www.umts-forum.org. To check if your organisation is currently a member of the forum go to www.umts-forum.org/members.asp.

Update on the UMTS Forum Workplan

Jean-Pierre Bienaimé

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Chairman, UMTS Forum

www.umts-forum.org



3GPP-PCG#11 meeting
Boston, 1-2 October 2003

What Is The UMTS Forum?

Promoting the global success of UMTS

- The world's only industry association uniquely committed to the global success of UMTS mobile systems
- Cross-sector membership comprises operators, manufacturers, regulators, application developers, research organisations and IT industry players from 40 countries worldwide

The authoritative voice

- Regular briefings to international media and financial analysts on technical and commercial progress of UMTS / W-CDMA
- Presence at more than 65 worldwide industry events annually
- Regular publication of reports and white papers on key topics including market, technology, spectrum & regulation



About The UMTS Forum

Key Objectives

- Education and promotion of the benefits of UMTS (both standards and services) and the learnings from its implementation process
- To support and promote the 3GPP standard and the evolution from GSM to UMTS

Principal areas of study through an agreed workplan

- Studies on availability and harmonisation of global spectrum for IMT-2000 and beyond (e.g. preparations for WRC 2007)
- The role of ‘complementary’ technologies such as WLAN
- Other studies on “social shaping”; IP in a mobile environment (IMS); security awareness; settlements, billing and charging issues for UMTS



Workplan 2003

Studies completed include the following:-

- **Presented members requirements at WRC2003**
 - Spectrum sharing with BSS
 - WLAN spectrum at 5GHz
- **WLAN study on spectrum**
 - Country details
 - TDD and WLAN
- **Security awareness report**
- **IMS phase 2 report**
 - Choices facing operators
 - Importance of push to talk services
- **Published Evolution of UMTS white paper**
 - Input soon to 3GPP



Workplan topics underway

- **2nd of Social shaping work**
Looks at societal changes and how industry must be aware of them
- **Traffic characterisation studies for future spectrum requirements**
Traffic asymmetry
- **Work on 2.5GHz extension bands**
WRC 2007
- **Updates on WLAN spectrum report**
- **Devices report**
Available soon
- **Settlement (billing and charging)**
- **Input to ETSI 3GPP of evolution work**
- **Lobbying in China, Brazil, N Africa and E Europe**



Conclusions

- **Forum's role is to continue to support the 3GPP standard and the evolution of GSM to UMTS**
- **Presentation very much an overview of Forum activities**
- **Paper gives more details of work**
- **Opportunities to work more closely with 3GPP**
- **Web address www.umts-forum.org**

