

Workshop
**“Assessing the Requirements for
Deploying Key 3G Services”**

Antonella Napolitano

UMTS Forum 3GPP Coordination Group Chair

and Blu SpA

3G / UMTS Service Workshop Overview



- Promoted and Organised by UMTS Forum
- Sponsored by UMTS Forum and ETSI
- Concept accepted by MRPs (IPv6 Forum, UWCC, GSMA, MWIF, 3G.IP, GSA) and endorsed by 3GPP PCG#5
- Planned by 23-24 April 2001 in Sophia Antipolis
- By registration - expected ~ 100 active participants

Workshop Goals and Objectives



Goal - align the IMT 2000 standards process with 3G market requirements

- Objectives:
 - Align the standardisation process with recently identified market requirements
 - Identify the essential technology enablers for the key 3G service categories
 - Relate them to work items in the major standards bodies (3GPP work plan)
 - Establish priorities for future standardisation development
 - Facilitate the discussion on long term vision

Workshop Goals and Outcomes



Goal - align the IMT 2000 standards process with 3G market requirements

- Targeted Outcomes:
 - Identification of key service capabilities and essential technology enablers
 - Agreed priorities for standardisation including timing and transition issues
 - Clarification of the unique service opportunities of the IP Multimedia Subsystem
 - Examination of standardisation implications in the converging Internet, service content and communications environment

Step 3 - Linking the Services Categories to Standards - Principle



Technology enablers	Services Categories		
	Internet Intranet access	Customised Infotainment	Multimedia Messaging
Single security mechanism	X	X	X
Automatic routing to PoP	X	X	?
Online graphics interface	X	X	X
Capability Negotiation end-to-end	X	X	X

Workshop Management



- Project management approach and plan developed
- Refine and complete Workshop programme including invited speakers
 - Develop scope of each breakout group
 - Identify Chairmen and rapporteurs for each breakout group
 - Manage the development of Workshop content
- Manage the participant invitation process
- Prepare participant documentation
- Provide project management during the Workshop
- Summarise Workshop results in brief report

Arrangements



- UMTS Forum will provide high level project support
- Points of Contact from 3GPP are Kevin Holley (S1 chairman) and Teuvo Jarvela (S2 chairman)
- ETSI and UMTS Forum will handle logistics - venue, accomodation, participant welcome and support, on-site documentation, break out rooms, etc.

Conclusion (I)



- **Active participation is encouraged from 3GPP SDO & MRPs**
- **Opportunity for Operators to influence harmonisation of standards development with market requirements**
- **First practical contribution to the Long Term Vision**

Conclusion (II)



“Assessing the Requirements for Deploying Key 3G Services”

Monday 23rd & Tuesday 24th April 2001

ETSI Headquarters, Sophia Antipolis, France

Contact: Antonella Napolitano
antonella.napolitano@mail.blu.it

To 3GPP Members
Invitation to the Workshop on
Assessing the Requirements for Deploying Key 3G Services
Monday 23rd & Tuesday 24th April 2001
ETSI Headquarters, Sophia Antipolis, France

Dear Colleague

UMTS Forum and ETSI have the great pleasure of inviting you to participate in the Workshop on *Assessing the Requirements for Deploying Key 3G Services*.

We would like to remind you that the programme foresees an **active participation of all delegates** to the break-out sessions in order to achieve the workshop objectives.

ADDRESS OF THE WORKS HOP	CONTACT NUMBERS DURING THE WORKSHOP
ETSI - AMPHITHEATRE 650 Route des Lucioles 06921 Sophia Antipolis France	Phone: +33 492 94 42 00 (switchboard) Fax: +33 493 65 47 16

The workshop will start on **Monday 23rd April** at **9:30** and end on **Tuesday 24th April 2001** at **17:00**.

Registration will take place on the first day of the meeting **between 8:30 and 9:30**.

The secretary responsible for this WORKSHOP is **Sabine Beauvois** whom you may contact for any administrative arrangements.

Tel: +33 (0)4 92 94 43 28

Fax: +33 (0)4 92 38 5228

E-mail: sabine.beauvois@etsi.fr

Please **return the registration form before 10 April 2001**.

I look forward to seeing you in Sophia Antipolis.

Yours sincerely

Antonella Napolitano

(UMTS Forum - 3GPP Coordination Group Chair)

Annexed:

Page 3 - Registration form ([to fill in and return](#))

In addition:

You can find a wide range of useful information (list of hotels at special rates, how to rent a car, how meetings in ETSI work...) on the ETSI Web site at: <http://docbox.etsi.org/meetings>

IMPORTANT

Documents available on the file server before the start of the meeting will not be provided in paper copy.

- ?? Delegates who would rather work with paper documents are requested to bring their own, i.e. download and print.
- ?? During the meeting the documents will be available in electronic format on “docbox” and accessible via the meeting network or the Internet.
- ?? Self service PCs with access to the network are available for delegates.
- ?? You may log onto the ETSI network if you have a LAN card on your portable PC. For assistance see: <http://www.etsi.org/helpdesk/meetingsnetwork/home.htm>
- ?? For documents produced during the meeting, paper copies will be provided by the secretary in charge of the meeting upon explicit request.

REGISTRATION FORM

FOR THE WORKSHOP

“Assessing the Requirements for Deploying Key 3G Services”

23 - 24 April 2001

ETSI Headquarters, SOPHIA ANTIPOLIS

PLEASE REGISTER FILL IN THIS FORM AND SEND IT BY **10 April 2001**

TO: **sabine.beauvois@etsi.fr**

Fax: +33 (0)4 92 38 5228

Title:	Ms <input type="checkbox"/> Mrs <input type="checkbox"/> Mr <input type="checkbox"/> Other <input type="checkbox"/>
PARTICIPANT'S FAMILY NAME:	
PARTICIPANT'S FIRST NAME:	
COMPANY NAME:	
Mailing address:	
Your mobile number:	
Your telephone number (Direct Line):	
Your fax number:	
Your E-mail address:	
Indicate your expertise	CN <input type="checkbox"/> RAN <input type="checkbox"/> SA <input type="checkbox"/> T <input type="checkbox"/> Other <input type="checkbox"/>
Indicate your interest	Internet Access, Mobile Intranet/Extranet Access <input type="checkbox"/> Multimedia Messaging <input type="checkbox"/> Location Based Services <input type="checkbox"/> Customised Infotainment <input type="checkbox"/> Multimedia Subsystem Services (Rich Voice, VoIP, Video Telephony, real-time conversational multimedia) <input type="checkbox"/>

I hereby confirm my intention to participate in this meeting.

Signature

Assessing the Requirements for Deploying Key 3G Services

Monday 23rd & Tuesday 24th April 2001

ETSI Headquarters, Sophia Antipolis, France

Workshop Programme

DAY 1 (Monday 23 April)

09:30 Welcoming remarks

Confirmed speakers: *Karl Heinz Rosenbrock, Director-General, ETSI and Bernd Eylert, Chairman, UMTS Forum*

Session 1: The 3G Services Market

Confirmed chairman: *Antonella Napolitano, MRP Workshop Project Manager, UMTS Forum*

09:45 Chairman's introduction

10:00 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?

Confirmed speaker: *Paola Tonelli, Market Study Project Manager, UMTS Forum*

10:15 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?

Confirmed speaker: *Eileen Healy, President, Telecompetition*

10:30 Numbering and Addressing

In the converged 3G environment names and addresses are of vital importance for both service identification and network interoperability. Numbering and addressing relationships have been the subject of recent studies and have significant implications for the standardisation process.

Confirmed speaker: *Josef Huber, Vice Chairman, UMTS Forum*

10:45 Questions & Answers on Session 1

11:00 Coffee break

Session 2: Perspectives on 3G Services

Confirmed chairman: *Alan Hadden, President, GSA*

11:30 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?

Confirmed speaker: *Stephan Keuneke, GSM Association*

11:45 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?

Confirmed speaker: *Fred Harrison, Head of Technical Standards, BT Wireless and 3G.IP*

12:00 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. What are the current and future developments for Internet browsers (fixed and mobile), video, graphics, music, games, interactive applications, security and e-business?

Confirmed speaker: *James Walker, Motorola*

12:15 Terminals

Mobile Terminals will need to have new features and functionality matched to the service characteristics to satisfy the needs of different 3G service categories. What are the key standardisation and technology issues to be addressed?

Suggested speaker: *tbd*

12:30 Questions & Answers on Session 2

12:40 Lunch break

Session 3: Standardisation Activities and Perspectives

Confirmed chairman: *Karl Heinz Rosenbrock, Director-General, ETSI*

14:00 3GPP: Work Plan and Releases

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

Confirmed speaker: *John Meredith, MCC, ETSI*

14:15 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"

Confirmed speaker: *Tommi Kokkola, 3GPP TSG SA1 IP multimedia services ad hoc chair*

14:30 IP goes Mobile

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? What is the current status within the IETF regarding QoS, SIP enhancements, security and IPv6?

Suggested speaker: *IETF*

14:45 IP RAN

<text to come>

Suggested speaker: *tbd*

15:00 Service Architectures

Operators are not only interested in the elements within Release 5 but also need to understand the plans for evolution of the service architecture for future releases. What are the implications of the future vision on service architectures?

Suggested speaker: *Teuvo Jarvela, immediate past Chairman 3GPP TSG SA2*

15:15 Questions & Answers on Session 3

15:30 Coffee break

Session 4: Technology Enablers for 3G Services

16:00 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 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 Network Infrastructure, Services Architecture and Principles, and Terminals and Applications.

Confirmed moderator: *Andy Watson, Technical Advisor, UMTS Forum*

Confirmed rapporteur: *Eileen Healy, President, Telecompetition*

16:45 Break-out Sessions

Workshop participants will be free to join any of the three 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 3G service requirements and priorities, the technology enablers, the current standardisation status (including the IP Multimedia Subsystem). 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?
- ?? What are the requirements for the long term vision (services, architecture and technology enablers)?

Group A: Network Infrastructure

Confirmed moderator: *François Courau, Chairman 3GPP TSG RAN*

Suggested rapporteur: *Ian Park, Vice Chairman 3GPP TSG CN*

Group B: Services Architecture and Principles

Confirmed moderator: *Teuvo Jarvela, immediate past Chairman 3GPP TSG SA2*

Confirmed rapporteur: *Armin Toepfer, immediate past Vice-Chairman 3GPP TSG SA*

Group C: Terminals and Applications

Suggested moderator: *Kevin Holley, Vice-Chairman 3GPP TSG T*

Suggested rapporteur: *Klaus Vedder, Chairman 3GPP TSG T2*

19:00 End of Day 1

DAY 2 (Tuesday 24 April)

08:30 Plenary Session

Confirmed chairmen: *Andy Watson and Antonella Napolitano, UMTS Forum*

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 will be available to all of the break-out groups for discussion and clarification of market-related issues.

Group A: Network Infrastructure

Group B: Services Architecture and Principles

Group C: Terminals and Applications

13:30 Lunch break

Plenary Session – Results from the Break-out Groups

Confirmed chairman: *Antonella Napolitano, UMTS Forum*

14:30 Presentation of Results from Group A: Network Infrastructure

Speaker: *Rapporteur of Group A*

14:50 Presentation of Results from Group B: Services Architecture and Principles

Speaker: *Rapporteur of Group B*

15:10 Presentation of Results from Group C: Terminals and Applications

Speaker: *Rapporteur of Group C*

15:30 Coffee break

Final Session – Assessing the Results of the Workshop

Suggested chairman: *Bernd Eylert, Chairman, UMTS Forum*

16:00 Chairman's introduction

16:15 Conclusions, Recommendations and Output from the Workshop

Speaker: *Antonella Napolitano, MRP Workshop Project Manager, UMTS Forum*

17:00 Close of Workshop