

ENUM and VoIP Peering Forum

Enabling Converged IP and Multimedia Services in the New Telecommunications Environment

London, UK

19th-20th
June 2006

Out with the **old** and in with the **new!**
ENUM has the potential to revolutionise
the **telecommunications market** and is a
key enabler for true IP convergence!

Key benefits of attending this conference:

- Understand how ENUM is revolutionising the telecommunications industry and how it enables convergence
- Assess the impact of ENUM on VoIP peering
- Learn from case studies of global ENUM trials and how this can benefit your organisation
- Discuss potential cost savings and service creation possibilities that ENUM and VoIP peering offers to the telecommunications industry
- Understand how ENUM efficiently interconnects packet switched services with traditional circuit switched services
- Analyse ENUM and its impact on VoIP Peering, Directory Services and Number Portability

Some issues to be addressed at this conference:

- Inspecting the current market and technical progress for ENUM
- Regional trial and deployment case studies – Europe and North America
- ENUM implementation strategies
- Network migration strategies and telecommunications convergence issues

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As the worlds of IT and telecoms draw ever closer now is the time to address the issues of fully migrating to an IP network. DNS registry creation, VoIP interconnection are just some of the things that will be discussed at this high level forum. The people leading the way are here to push ENUM on further and make IP interconnect a reality for all.



In the Chair:

Richard Stastny
Chairman
ENUM Forum Austria
and Project Manager
Telekom Austria

Confirmed Speakers include:

Timothy Denton
Consultant
Canadian Internet Registration Authority (CIRA)

Kim Fullbrook
Chair of ENUM Ad-hoc Group
O2 and GSMA

Sabine Dolderer
CEO
DENIC EG

John Horrocks
Vice Chairman
ETSI TISPAN WG4

Andy Reid
Chief Network Services Architect, Group CTO
BT

Eli Katz
Chairman
ITSPA
and CEO
XConnect

Tony Holmes
Chairman
UK ENUM Group
Naming and Addressing Policy and Strategy Manager
BT

Karen Mulberry
Advisory Engineer and Senior Project Manager – Numbering
Verizon

Ronan Lupton
Head of Regulatory Affairs – EMEA Interconnection Policy
Verizon Business

Michael Haberler
Chairman
Internet Foundation Austria

Richard Shockey
Co-Chairman
IETF ENUM Working Group

Sikko De Graaf
Director
CAIW

Richard Stastny
Chairman
ENUM Forum Austria
and Project Manager
Telekom Austria

Jason Livingood
Co-Chair
IETF SPEERMINT Working Group
and Senior Director –
Forward Looking Communications Services
Comcast Cable Communications

Albert Gouyet
VP
Nominum

Cris Da Silva
Consultant
PA Consulting

Steve Heap
CTO
Arbinet

08.30 Registration and Coffee

09.00 Chairperson's Opening Remarks

Richard Stastny

Chairman

[ENUM Forum Austria](#)

INSPECTING THE CURRENT PROGRESS FOR ENUM

09.10 **Infrastructure ENUM – The Current Driving Force for ENUM**

- Taking a look at number portability issues across Europe and the rest of the world
- The state of play of operators in key countries – trials and advancements
- How to plan for the future and the impact ENUM will have on the industry and consumers
- The lessons learned so far and moving forward to a profitable future with VoIP
- How close are we to having a mass adoption of ENUM?

Richard Stastny

Chairman

[ENUM Forum Austria](#)09.50 **The Role of the IETF in Global ENUM Implementation and Strategy**

- Explaining the protocol (RFC 3761) and DNS based architecture behind ENUM
- Utilising aspects of RFC 3761 by operators to discover points of interconnection
- Examining the use of RFC 3671 technology for storing and delivering information addressed by E.164 numbers – PSTN call routing and signalling data
- Looking ahead to the future and the ongoing work with encouraging the exchange of technical information within the global ENUM community

Richard Shockey

Co-Chairman

[IETF ENUM Working Group](#)

10.30 Morning Coffee

VoIP PEERING – THE FIRST STEPS TO CHEAP AND SECURE INTERCONNECTION

10.50 **Austria's Early Experiences with VoIP Peering**

- The relationship between infrastructure ENUM and VoIP peering
- Standardisation of VoIP peering
- Use cases beyond VoIP interconnect
- Experiences from the Austrian infrastructure ENUM trial
- The Roadmap for +43 service deployment

Michael Haberler

Chairman

[Internet Foundation Austria](#)11.30 **Operator Case Study: Bypassing the PSTN, Bypassing the Incumbent?**

- Routing around the PSTN and gaining the security that the internet does not offer – what does this mean to BT?
- Which areas of incumbent revenue are being attacked and what lies ahead?
- Will 21CN make the threat of VoIP peering redundant? What happens when all operators have migrated to packet switching networks?
- What are the key issues for interconnection?

Andy Reid

Chief Network Services Architect, Group CTO

[BT](#)12.10 **Panel Discussion: Is VoIP Peering the Incumbent Killer?**

- Exploring the different views of VoIP Peering across the board
- What work needs to be done to ignite a mass adoption of VoIP Peering?
- What help is needed in moving forward and where is that help available?

To be chaired by **Eli Katz**, CEO, [XConnect](#) and joined by a selection of event speakers

Booking Line

Syed Farouk Almohdzar

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Email: syedf@marcusevansuk.comwww.metelecoms.com

12.40 Luncheon – Sponsored by XConnect



13.50 Coffee and Networking Time

14.10 **Global Exchange of VoIP Accessible Numbers**

- Overview of a new competitive approach to number exchange
- Outline of experience in rolling out the service
- Progress towards full secure VoIP Peering between Service Providers

Steve Heap

CTO

[Arbinet](#)

EXPLORING KEY MARKETS – REGIONAL TRIAL AND DEPLOYMENT CASE STUDIES

14.50 **Exploring User and Infrastructure ENUM for the UK Market**

- Overview of the work being undertaken by the UK ENUM Group (UKEG)
- The proposed architecture for UK implementation
- Moving from an initial user ENUM viewpoint to an infrastructure ENUM view – the problems created by 'opting in'
- Exploring the benefits and drawbacks of 2 proposals for number insertion

Tony Holmes

Chairman

[UK ENUM Group](#)15.30 **Operator Case Study:****ENUM in the North American Market**

- Wrapping up the trials – gearing up for ENUM deployment in the US, Canada and the Caribbean
- What next for the US?
- The steps to global ENUM uptake
- The vision ahead for true convergence of services

Karen Mulberry

Advisory Engineer and Senior Project Manager – Numbering

[Verizon](#)

16.10 Afternoon Tea

16.30 **Operator Case Study:****Ireland's Case Study – Implementing Carrier ENUM and the Way Forward**

- Exploring the vast potential of ENUM – the possible applications and how it will work in Ireland
- Creating a national framework and allowing the market to move that on
- Exploring regulatory hurdles and potential pitfalls
- Designating a national registry
- Describing the tasks and responsibilities of key players in the process

Ronan Lupton

Head of Regulatory Affairs – EMEA Interconnection Policy

[Verizon Business](#)

DEVELOPING ENUM AND MOVING FORWARD EFFICIENTLY

17.10 **Regulating ENUM and What the Future Will Bring**

- Defining a clear role for regulators in moving ENUM forward and working with the European Commission
- Exploring the different routes being taken in different regions
- How tariff transparency affects the consumer and your business
- Description of the ongoing work in creating a clear and precise service to the consumer

John Horrocks

Vice Chairman

[ETSI TISPAN WG4](#)

17.50 Chairperson's Closing Remarks and End of Day One

- 08.30 Registration and Coffee
- 09.00 Chairperson's Opening Remarks

WHAT ENUM MEANS TO THE OPERATOR – ADVANCES AND ADVANTAGES

09.10 **Regulatory Update: North America**
Examining Number Portability and the Advantages to Operators in the Canadian Market

- Update on Canadian ENUM developments
- What is the business case for using ENUM?
- Leveraging ENUM to enable reduction of costs and introducing next generation services
- The importance of ENUM for convergence and moving forward to an all IP network
- Exploring the drivers motivating today's actual trials and deployments

Timothy Denton

Consultant

Canadian Internet Registration Authority (CIRA)

PREPARING FOR ENUM IMPLEMENTATION AND ADDRESSING KEY CONCERNS

09.50 **Scaling ENUM from Trials to Mainstream Production: What you Should Know**

- Provisioning subscriber and number portability information
- Leveraging the power of DNS
- Dealing with scalability and millisecond latency query responses
- Carrier-grade ENUM

Albert Gouyet

VP

Nominum

- 10.30 Morning Coffee

WHAT ENUM MEANS TO THE BLOSSOMING VoIP PEERING MARKET

10.50 **Making or Breaking VoIP – Taking a Look at the Benefits and Pitfalls of ENUM**

- The exciting future and challenges ahead for VoIP peering
- What ENUM brings to the table – is this the answer to making the connections?
- The challenges for ENUM in the VoIP arena
- Answering the issue of SPIT (Spam over Internet Telephony)

Eli Katz

Chairman

ITSPA

and CEO

XConnect

11.30 **Operator Case Study:**

The Dutch Cable Operator VoIP Peering Strategy

- Overview of the Dutch telco market and key developments ahead
- Looking at the world's 1st cable VoIP exchange and how it is being implemented
- Eliminating the expense of PSTN interconnection fees
- Taking advantage of the multimedia offerings that an IP network allows

Sikko De Graaf

Director

CAIW

- 12.10 Luncheon
- 13.10 Coffee and Networking Time

Booking Line

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www.metelecoms.com

13.30 **Operator Case Study:**

The State of VoIP Peering in the US MSO Arena

- How American MSOs are working together to drive forward VoIP peering
- Steps to VoIP peering in the US
- How US MSOs may peer with European providers
- SPEERMINT – looking at the objectives and goals ahead for the IETF's new Session Peering Working Group
- The need for evolving standards and best practice for peering of VoIP and other real-time sessions

Jason Livingood

Co-Chair

IETF SPEERMINT Working Group

and Senior Director – Forward Looking Communications Services

Comcast Cable Communications

MIGRATING TO AN ALL IP NETWORK AND A CENTRALISED LIVE REGISTRY

14.10 **Operator Case Study:**

The Current GSMA Plans – Upgrading the GRX to IPX and Implementing Infrastructure ENUM

- Detailing the progression of enhanced GRX networks
- Examining the proposed solutions for carrier DNS
- Integrating existing number portability arrangements into the ENUM solution
- How the IPX network addresses security and privacy concerns

Kim Fullbrook

Chair of ENUM Ad-hoc Group

O2 and GSMA

- 14.50 Afternoon Tea

15.10 **The German ENUM Deployment – Steps Taken After a Successful National Trial**

- Evaluating the complete trial period and discussing all of the lessons and challenges uncovered over the past 3 years
- How successful is deployment proving to be?
- Discussing operator and government involvement during this process
- What are the current challenges for Germany and other countries?

Sabine Dolderer

CEO

DENIC EG

15.50 **ENUM and the PSTN to NGN migration**

- Where does ENUM fit in the NGN framework?
- Impact of Federation ENUM and VoIP Peering on Incumbent revenue
- ENUM and the role of the national regulatory authority in promoting fair competition in the communications market
- Why "walled gardens" are here to stay

Cris Da Silva

Consultant

PA Consulting

THE MARKET EFFECT – HOW TO LEVERAGE CONSUMER BEHAVIOUR AFTER ENUM DEPLOYMENT

16.30 **Panel:**

What ENUM Means to the Consumer and how to Bring it to Market

- The effect on consumers in the fixed and mobile markets
- Is ENUM global? How successful are trials in different countries and how will different markets react?
- What is the cost to the consumer? Will implementation costs be offset by operational cost reductions?
- Exploring effective strategies to facilitate churn of unprofitable customers

To be joined by Key Speakers

- 17.00 Chairperson's Closing Remarks and End of Conference

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ENUM and VoIP Peering Forum

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CONFERENCE: ENUM AND VoIP PEERING FORUM
DATE(S): 19th-20th JUNE 2006
VENUE: LONDON, UNITED KINGDOM

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2 DAY CONFERENCE @ **€2767.68 + VAT**
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Payment is required within 5 working days.

Premier Plus Discounts

Applies to full conference + workshop event only:

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 10+ ATTENDEES @ 20% PER DELEGATE

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Register Now

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