

## **ENUM Workshop paves the way for Interoperability tests later this year**

09 March 2004

During a successful two day workshop on ENUM, hosted by the Plugtests™ service of ETSI, it has been decided to hold a new testing event featuring ENUM, SIP, H323 and other IP Telecommunications services and equipment at ETSI before the end of the year (From the 29<sup>th</sup> November).

Across the world a lot of attention is currently focused on ENUM as defined in IETF (RFC2916bis) in coordination with the ITU-T (SG2).

The standard allows an end user or application to see what Internet resources are available for a particular telephone number (as defined under the ITU Recommendation E.164) and will also allow the user to control the manner in which they are contacted by phone, fax, e-mail or via the internet.

Adrian Georgescu, of AG Projects, commented:

“While all technologies that will constitute the Next Generation Networks exist today, many bridges between them like billing and validation/authentication models, need yet to be created to provide the end-user experience. ENUM acts also like a glue between new and classic technologies. ETSI's initiative to organise and unite different Plugtests is a logical path for testing the integration of ENUM with different technologies and solutions for PSTN, VoIP or mobile networks like GSM/CDMA/UMTS.”

Over sixty (60) experts in the field attended this free and open ENUM workshop, which provided an opportunity to discuss and exchange information on some of the key technical aspects of ENUM as an enabler that will help facilitate convergence of telecommunications services and technologies.

Tony Holmes the ETSI TISPAN Numbering, Addressing and Routing working group chair outlined ETSI's support for ENUM and the work being done to produce

specifications on European ENUM administration (TS 102 051) and proposed common formats for European trials of ENUM (TS 102 172).

Douglas Ranalli, of NetNumber Inc., observed:

"One of the compelling benefits of the ENUM Workshop event was the perspective that ETSI brought to the industry in helping to clarify that we're dealing with two important, yet very different, uses of the ENUM protocol standard: a public end-user ENUM system (User-ENUM) and a secure operator controlled ENUM infrastructure (Infrastructure-ENUM)."

Another success for the workshop was that it managed to attract regulatory and government officials as well as industry representatives, thus providing a high level of debate on national and regional issues affecting the availability of global ENUM enabled services.

Anthony Rutkowski, from VERISIGN, said:

"In a world of rapidly emerging convergence and IP-enabled services that span telecom and Internet sectors, ENUM is an important means of providing signaling between the two. ETSI's global leadership in spanning both sectors was demonstrated with the ENUM workshop that brought together most of the active providers, implementers, and government officials."

Although trials of ENUM implementations are under way, there is a need for a coordinated approach to interoperability. When RFC and related standards are implemented there is still scope for ENUM to be tailored to meet differing national or business needs. Therefore, it becomes important to test the interoperability of differing implementations, to ensure that ENUM can reach its full potential as a Global standard.

To this end a second Workshop will take place on the 5<sup>th</sup> and 6<sup>th</sup> of October at ETSI and the Plugtests service of ETSI will host a first ENUM Plugtests in parallel with SIP, H323, IP telecommunications Plugtests from the 29<sup>th</sup> November until the 3<sup>rd</sup> December 2004.

## **Full Quotes from some of the participants**

"ETSI and other standard bodies are working currently on the universal service of tomorrow, encompassing all types of real and non-real time IP communications like VoIP, video, chat, Instant Messaging, presence, SMS, MMS, mail, but also the existing PSTN/ISDN/GSM networks. ENUM will be the glue for IP communications to bring together all these different protocols and unite them under one unique telephone number, bridging also the bellhead and the nethead worlds. By organizing the Plugtests events and testing ENUM together with the different protocols and architectures, ETSI is likely to set the keystone into this bridge." **Richard Stastny from OEFEG**

“In a world of rapidly emerging convergence and IP-enabled services that span telecom and Internet sectors, ENUM is an important means of providing signaling between the two. ETSI's global leadership in spanning both sectors was demonstrated with the ENUM workshop that brought together most of the active providers, implementors, and government officials to review and begin demonstrating capability sets necessary for successful ENUM implementation. It was apparent from the workshop that emulating proven telecom SS7 Intelligent Network capabilities through platforms such as the ENUM Registry Information Service (EREG) will prove critical in meeting the needs of providers, customers, and public officials.“ **Anthony Rutkowski from VERISIGN**

“While all technologies that will constitute the Next Generation Networks exist today, many bridges between them like billing and validation/authentication models, need yet to be created to provide the end-user experience. ENUM acts also like a glue between new and classic technologies. ETSI's initiative to organise and unite different Plugtests is a logical path for testing the integration of ENUM with different technologies and solutions for PSTN, VoIP or mobile networks like GSM/CDMA/UMTS." **Adrian Georgescu, of AG Projects**

"One of the compelling benefits of the ENUM Workshop event was the perspective that ETSI brought to the industry in helping to clarify that we're dealing with two important, yet very different, uses of the ENUM protocol standard: a public end-user ENUM system (User-ENUM) and a secure operator controlled ENUM infrastructure (Infrastructure-ENUM)." **Douglas Ranalli, Founder NetNumber, Inc.**

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## Notes for Editors

### Roadmap for ENUM Workshops and Plugtests in ETSI

- All presentations from the first Workshop are available at <http://docbox.etsi.org/tispan/open/>
- 5<sup>th</sup> & 6<sup>th</sup> October 2004 - 2<sup>nd</sup> ETSI ENUM Plugtests Workshop – parallel to TISPAN-projects meeting
- 29<sup>th</sup> November to the 3<sup>rd</sup> December 2004 - Plugtests for IP Communications (SIP/H323/ENUM)
- 3<sup>rd</sup> ETSI ENUM Plugtests Workshop in 1Q 2005

### About the ENUM Standards

- **IETF** working group on Telephone Number Mapping (enum) at <http://www1.ietf.org/html.charters/enum-charter.html> and the IETF general site at [www1.ietf.org](http://www1.ietf.org)
- **ITU Study Group 2** information is at: <http://www.itu.int/ITU-T/studygroups/com02/index.asp>
- **ETSI TISPAN** Specifications on European aspects of enum at <http://portal.etsi.org/tispan>

### About the Plugtests Service

The ETSI Plugtests Service is a professional service that specializes in the organization of interoperability events for any telecommunication / Internet / Information Technology standard.

Plugtests is a neutral service, which ensures the participants of the confidentiality of the technical results.

For more information about this event and other activities organized by the Plugtests Service visit: [www.etsi.org/plugtests/](http://www.etsi.org/plugtests/)

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### About ETSI

ETSI plays a major role in global standardization. ETSI unites over 700 members from nearly 60 countries, including manufacturers, network operators, administrations, service providers, research bodies and users – in fact, all the key players in the telecommunications arena.

For further information on ETSI, please visit our web site: [www.etsi.org](http://www.etsi.org)

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