



Public Workshop on Numbering for eCall

Tuesday 31 January 2017
European Communications Office
Copenhagen, Denmark

Electronic Communications Committee
Working Group
Numbering and Networks




Session 1 - Introduction (09:30 – 10:40)

Presentation 1: Welcome from WG NaN Chairman, Current and future activities of WG NaN in relation to eCall



Johannes Vallesverd

Senior legal advisor, Norwegian Communications Authority and Chairman CEPT/ECC Working Group Numbering & Networks

Johannes is a Senior Adviser at the Norwegian Communications Authority (NKOM). He is a lawyer by profession having graduated from the University of Oslo. Johannes was appointed chairman of WG NaN at the 35th ECC meeting in Berlin, Germany, on 6 November 2013.

Presentation 2: eCall – Some assumptions on numbering and deployment



Freddie McBride

Numbering and Networks Expert, European Communications Office

Freddie is the European Communications Office's expert on Numbering & Networks and plays an active role within CEPT's Working Group on Numbering & Networks (WG NaN) where national administrations from 48 countries in Europe collaborate on harmonised policy development. Prior to his role at the ECO he worked at the Commission for Communications Regulation (ComReg), the National Regulatory Authority of Ireland for 6 years, with responsibility for the management and development of the national telephone numbering plan and other forward-looking activities. He is a business graduate with a Masters in Computing and Information Systems and a Professional Diploma in Regulatory Governance.

Abstract: "From a numbering perspective it is important to understand how eCall will be deployed. This presentation makes some assumptions in that regard and considers the implications on numbering plan management"

Presentation 3: eCall State of play – Current state of OEM preparedness in advance of 2018 implementation deadline



Guillaume Ouellette

Senior Specialist, Connected Car, SBD

Prior to SBD Guillaume worked for Honda Canada, Inc. for nine years. In this time he worked in five positions across three divisions including Customer Relations, Technical Publications, Engineering Development and Product Planning. The last two positions involved the implementation of connected car solutions at the North American and global levels. Since joining SBD in 2015, Guillaume has presented at a number of industry events, led a number of complex projects ranging from managing long-term connected car projects for OEM clients to researching and writing reports on big data, usage-based insurance as well as data protection and data privacy matters.

Abstract: "Understanding current OEM trends, the different personalities, their outlook on eCall and the options open to them."

Session 2 – eCall Deployment and Life Cycle Management (11:00 – 12:15)

Session 2 Chair



Jan Vannieuwenhuysse

Senior Engineer-Advisor at BIPT, Belgium

Jan is a senior engineer-advisor at BIPT and has over 25 years of experience in telecommunications policy and regulation. He has an engineering background but has acquired expert knowledge of the legal and economic aspects of regulation throughout his professional career. He is also an expert on Internet Governance and is a board member of DNS Belgium, the Country-Code Top Level Domain registry for Belgium. Jan is the former Chairman of WG NaN, a role he executed effectively for over 9 years. At the national level he negotiated the first interconnect reference offer, was program manager for the introduction of NP in Belgium, and is now responsible for numbering and security policy.

Presentation 1: eCall deployment – leveraging economies of scale in the manufacturing and distribution supply chain

Robert Mourik

Carrier Relations & Regulatory Affairs Director, Cubic Telecom



Robert is an experienced and versatile senior executive with expertise in, and a passion for, innovative and networked technologies. He started his career working for the Dutch Department of Telecommunications and subsequently for Vodafone and Telefónica Group in a variety of regulatory functions. More recently he provided Business and Strategic Support to the CEO of Telefónica Ireland as Director of Strategy, and as a member of the Board. After the sale of Telefonica Ireland to Hutchison Whampoa, Robert worked for PwC to advise the Irish Government on rural broadband roll-out, and provided business development support to start-ups. Currently he heads up the wholesale and regulatory teams of Cubic Telecom.

Abstract: “Cubic Telecom is one of a new breed of specialised M2M/IoT companies providing connectivity solutions to companies such as the Volkswagen Group, HP, Lenovo and Tesla and others. Cubic provides this service by means of a single embedded global SIM so that hardware OEMs can use the same SIM in all their products, independently of where that device is exported to. From a numbering point of view the underlying architecture uses multiple IMSIs, and MSISDNs, that can be changed via OTA. The presentation will also explain how Cubic uses a combination of different MVNO implementations and roaming implementations to provide pan-European coverage.”

Presentation 2: eCall deployment and interoperability challenges

François Fischer

Senior Manager, Connected & Automated Mobility, ERTICO



François is a senior expert in software development and Telecommunications, with a particular focus on standardisation, and compliance testing. He started his career at Siemens in Germany, as a software developer for the mobile network testing department. François was an early user of the Open System Interconnection model and the ISO methodology for testing (ISO 9646), in particular with the universal testing language TTCN. He joined FSCOM to work then as project manager, for the design of conformance test solutions in different telecommunication domains like fixed and mobile telephony, Voice over IP (signalling, voice quality) and Intelligent Transport Systems (ITS). He was active member of many ETSI Specialist Task Forces and CEN project teams. In the domain of ITS, he contributed to standardisation activities at ETSI TC ITS before joining ERTICO – ITS Europe in 2011.

Abstract: “Interoperability between IVS and PSAP is considered as a critical requirement for the provision of reliable eCall services. The presentation will show the initiatives developed in the context of the HeERO series of projects to assess and improve the interoperability as well as the compliance assessment to the eCall communication and application requirements.

Presentation 3: eCall End of Life. Road safety and numbering - Important considerations and options

Aurora Garcia

Ministry of Interior, Spain Senior Manager, Connected & Automated Mobility, ERTICO



Aurora is a senior traffic technician in the Spanish public administration and works as a policy officer at the General Traffic Directorate (DGT), part of the Interior Ministry. She has worked for most of her professional life in provincial administration centres, in direct contact with tasks related to traffic management, road safety, vehicle and driver registration.

Currently she represents the General Traffic Directorate in the Spanish Permanent Representation before the European Union and participates in expert working groups at a European level in subjects related to road safety and traffic such as the Lifecycle Management Task Force, part of the European eCall Implementation Platform.

Abstract: “This presentation provides a brief summary of the General Traffic Directorate, its main competences and relevant function related to the eCall system. The presentation provides a perspective on problems and challenges raised by the eCall system End of Life from a road safety perspective and those which affect the provision of the mobile service and its numbering.”

Session 3 – Mobile Network and Numbering Perspective (13:15 – 14:55)

Session 3 Chair



Jukka Rakkolainen

Communications Network Specialist, Finnish Communications Regulatory Authority (FICORA)

Jukka Rakkolainen has more than 25 years' experience in various areas within telecommunications. Currently he works as Finland's numbering plan administrator at Finnish Communications Regulatory Authority, FICORA. Jukka holds a M.Sc. in Electrical Engineering from Helsinki University of Technology. His experience includes eight years at the European Communications Office as a numbering expert.

Presentation 1: The eCall discriminator flag and ensuring interoperability and roaming across national and international mobile networks – deployment and operational challenges



Ole Inge Wibetoe

Vice-President, Telenor Group

Ole is Vice President at Telenor Group with responsibility for Public and Regulatory Affairs. He has over 20 years' experience in telecommunications in the technical, business and regulatory aspects of both fixed and mobile networks. Ole holds a Master of Science from the University of Oslo and a Master of Management from the Norwegian Business School BI, Oslo.

Abstract: "The presentation will cover eCall implementation – manufacturers, automotive sector, national readiness/PSAPs and operators. Interoperability and policy issues – numbering, roaming, privacy, standardization and usage of mobile technology 2G/3G/4G. Telenor Group deployment and operational experiences from present M2M solution."

Presentation 2: How Mobile Operators support deployment of eCall: Remote SIM provisioning and the lifecycle of eCall



Barbara Pareglio

Connected Living Technical Director, GSMA

Barbara has over 18 years of experience in the mobile industry. She has been part of the GSMA Connected Living Programme since 2014, working on several aspects of the IoT such as the development of the Mobile IoT Technologies (LTE-M, NB-IoT and EC-GSM-IoT), and the GSMA IoT Security Guidelines for helping the mobile industry to create trusted solutions for the IoT. She is also involved in several aspects of eCall, by actively participating in CEN WG15 and in the EeIP group. The GSMA Connected Living Programme is an initiative to help operators add value and accelerate the delivery of new connected devices and services in the M2M and IoT market. This is to be achieved by industry collaboration, appropriate regulation, optimising networks as well as developing key enablers to support the growth of M2M and IoT.

Abstract: "The GSMA Connected Living has worked for several years to help its members to shape the future of M2M/IoT, understanding the obstacles, helping to evolve standards and promote mobile operators capabilities. By harnessing the continuous expansion in the wireless connectivity, delivering affordable, scalable, secure and proven services using technologies that can address also safety requirements like eCall. Mobile operators are now providing solutions like Remote SIM provisioning to facilitate the implementation of eCall. The presentation will also cover topics related to numbering and addressing, along with views on the life cycle of the eCall service."

Presentation 3: Recommendation on residual issues relevant to eCall deployment



Robert MacDougall

Head of Enterprise Regulation, Vodafone Group

Robert is Head of Enterprise Public Policy at Vodafone Group, where he leads on all public policy matters relevant to Vodafone's enterprise activity. Robert has spent the majority of his career in electronic communications regulation, including eight years at the UK's Communications Regulator Ofcom (and its predecessor Oftel) in a variety of roles involving policy development, dispute resolution and also competition enforcement. Prior to joining Vodafone, he was an Assistant Director at the UK's Competition and Consumer Protection Authority. This included a secondment to the US Federal Trade Commission as an FTC International Fellow. Robert has a primary degree in Law and a Masters degree in Information Technology and Telecommunications Law. He currently Chairs the Policy Working Group of the Alliance for Internet of Things Innovation (AIOTI).

Abstract: "This presentation will focus on outstanding issues that need to be addressed in order to ensure the effective roll-out of eCall. This will include issues such as operating costs, false eCalls and SIM update procedures"

Presentation 4: +878 – An alternative global option for numbering M2M/IoT devices and eCall

Richard Hill

Vision NG

Richard is currently an independent consultant. Prior to that, he was Counsellor for Study Groups 2 and 3 at the International Telecommunications Union, that is technical secretary for the ITU groups dealing with operational aspects of service provision, networks and performance, including numbering issues (for example, assignment of international country codes) and charging and accounting matters. Prior to joining ITU, Richard was Department Head, IT Infrastructure Delivery and Support, at Orange Communications (a GSM operator). He previously was the IT Manager at the University of Geneva; held various IT and telecommunications positions in Hewlett-Packard Europe; worked as a Research Statistician for A.C. Nielsen; as a systems designer and manager for software for econometric modelling and the management of financial portfolios at M.I.T and spinoffs.

Richard holds a Ph.D. in Statistics from Harvard University and a B.S. in Mathematics from M.I.T. Prior to his studies in the U.S.A., he obtained the Maturita' from the Liceo Scientifico A. Righi in Rome, Italy.

Abstract: "ITU-T has recently authorised the use of the +878 10 numbering range, originally assigned for Universal Personal Telephony (UPT) for M2M applications. Such applications can include eCall. The 878 code appears to be well suited to implement eCall: the numbers are portable, they are available now, and international routing is available now."

Session 4 – PSAP Readiness (15:10 – 16:25)

Session 4 Chair



Hege Johnson
Senior Engineer, NKOM

Hege is a Senior Engineer at the Norwegian Communications Authority (NKOM), working with numbering-related issues, such as development and maintenance of the national numbering plan, end user issues and emergency services as well as co-chairing the National Numbering Forum. Her international experience includes participation in ITU-T and WG NaN, and as Secretary of WG NaN since 2013. Ms. Johnson is an Engineer with a Master of Engineering Science Degree from Queensland University of Technology.

Presentation 1: The role of Numbers in PSAP operations and the impact of introducing eCall



Björn Skoglund
Business developer 112/Crisis Management, SOS Alarm, Sweden

Björn is Business Developer of the 112 Service at SOS Alarm in Sweden. He has a Bachelor of Arts from the University of Stockholm and has attended the Higher Course in Crisis Management, step 1 and step 2. He has served as Floor Manager and later Manager of the 112 services at the SOS Alarm Centre in Stockholm before becoming the first Manager of the Crisis Management services and is from 2011 and currently Business Developer of the 112 Service. He has participated in the EU financed projects MASSCRISCOM, REACH112 and Swedish Hotline 116 000 Missing Children.

Abstract: "This presentation gives an overlook of the importance of numbering for PSAPs for managing emergency calls. It also describes upcoming challenges for PSAPs regarding eCall and otherwise."

Presentation 2: eCall implementation in Lithuania



Tadas Maroscikas
Deputy Head, General Help Centre, 112 Lithuania

Tadas joined 112 Emergency Response Centre back in 2003 when this organization was established. He serves as the Deputy Director of 112 ERC since 2006. His main responsibilities are ITC and operations. Tadas took part in preparation of eCall PSAP upgrade investment plan, public procurement documents, coordinated eCall tender and relationship with state enterprise "Regitra", that was responsible for the maintenance of the National Car Register (KETRIS) and EUCARIS.

Abstract: "This presentation provides an overview of the upgrade of the Lithuanian 112 PSAPs with eCall decoders and information system integration with National Car Register (KETRIS) and EUCARIS. It also shortly explains preparation for eCall Flag implementation in national MNOs and official conformity assessment of the 112 PSAPs."

Presentation 3: EENA's Third Party Services eCall Provider (TPSP) Certification and iHeERO update



Cristina Lumbreras

Technical Director, European Emergency Number Association (EENA)

Cristina joined EENA in October 2010. She coordinates all of the technical and emergency services' operations activities of the association. She also represents EENA in the international standardisation development organisations. Prior to joining EENA, Cristina served as IT manager of Madrid's 112 centre in which she designed the IT components. She was a member of the Spanish delegation in the European Commission's working groups on 112 and eCall. Cristina holds a MA in Computer Science and an MA in Marketing, both from the Autonomous University of Madrid.

Abstract: "In this session, the EENA Standard to improve the provision of TPS eCall across the EU will be presented. The programme will allow for eCall TPSPs to benchmark themselves against a Standard which is specific to their mission. The Standard will reward those exemplar providers who have been committed to provide a high quality eCall service. EENA is also participating in the iHeERO project. An update on conformity assessment and certification for PSAPs and TPS eCall Service Providers discussions inside this project will be given."

Session 5 – The Future and Wrap-Up (16:40 – 17:30)

Session 5 Chair - Johannes Vallesverd, Senior legal advisor, Norwegian Communications Authority

Presentation 1: Next Generation eCall



David Williams

Senior Telecommunications Engineer, Qualcomm

David is a senior telecommunications engineer in Qualcomm. He currently works in Qualcomm's eCall and automotive engineering teams. He has contributed extensively to eCall standardization in 3GPP and other international projects since eCall began. He was leader of the ETSI project team on eCall migration and is currently a member of the CEN project team on IMS eCall. David Williams has been with Qualcomm since year 2000 and has previously worked for ETSI, AT&T and BT.

Abstract: "This presentation is about eCall in the IP domain. The presentation describes how IMS eCall works, how it can co-exist with first generation eCall, what advantages are offered, and how it fits the eCall mandate."

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