

**'Network slicing – vision or reality?
Delivering private services from public networks'**10th November 2022

This SIG is championed by **Julie Bradford** of **Real Wireless**, **Mark England** of **Cambridge Consultants** and **Andrew Palmer** of **CGI**

Venue: The XCHG, Floor 7, 22 Bishopsgate, London EC2N 4AJ**Wifi: XCHG Events network Password: sarahgilbert****AGENDA**

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|--------------|---|
| 13:30 | Registration and networking |
| 14:00 | CW (Cambridge Wireless) welcome |
| 14:05 | Introduction to topic by Julie Bradford, Virtual Networks SIG Champion and Managing Consultant in Wireless Techno-Economics, Real Wireless |
| 14:15 | Session to be chaired by Julie Bradford, Virtual Networks SIG Champion
'An update on VMO2's 5G roadmap and thinking on integration of private networks'
David Owens, Head of Technical Trials, Virgin Media O2 and Dez O'Connor, Senior Manager, Cisco
David will give an update on the current status of VMO2's 5G & Fibre rollout, describing the opportunity for Slicing and Network of Networks technology, finally covering some of their current trials and activities. Dez will then describe a possible future for Private Networks & Open Roaming for UK enterprise. And how the 5G DRIVE project, a co-funded collaboration with the UK government (DCMS), CISCO, Ori, University of Warwick, VMO2, and Wave Mobile, looks to drive forward the integration and roaming between private and public networks at scale. |
| 14:45 | 'Network Slicing – "Begin with the End in Mind"'
Afolabi Agbede, Mobile Services Architect, BT Network Services
The promise of Network Slicing in 5G is constantly under scrutiny, and rightly so. Beyond the challenges and prevalent misinformation, it is evident the position of the customer is often overlooked. Afolabi's talk will aim to refocus our attention on delivering solutions for the customer rather than solely being technology focused. He will briefly cover the evolution and complexity of standards coordination for Network Slicing as well as reflect on deployment practicalities. |
| 15:05 | 'The Role of Next Generation Converged Packet Core in Unleashing the Power of Service Innovation'
Tarek El-Basyouny, Chief Architect - Strategic Accounts Europe, Mavenir
Mavenir's Converged Packet Core offers a flexible, cost-effective journey to 5G with multi-generational support for all Gs to modernize existing mobile networks while evolving to 5G. Join Tarek El-Basyouny, Chief Architect at Mavenir, as he presents how Mavenir's Converged Packet Core supports data, voice, and messaging services and network slicing – powering Deutsche Telekom's 5G Standalone (SA) Network in Germany. |
| 15:25 | Refreshment break and networking |
| 16:00 | Session to be chaired by Julie Bradford, Virtual Networks SIG Champion
'Private wireless networks for enterprises: positioning of alternatives and European perspective'
Koen Mioulet, Communications and secretary for EUWENA, (European Users of Wireless Enterprise Networks Association)
Private Wireless Networks are increasingly finding their way into industries and verticals for automation and optimisation of company processes. There are multiple alternatives, of which a dedicated network on one's own, private spectrum is one. This presentation will position the various alternatives and provide a glance at what goes on in Europe. |
| 16:20 | Panel session chaired by Julie Bradford, Virtual Networks SIG Champion |
| 16:55 | Wrap-up |
| 17:00 | End of session followed by opportunity for informal networking |
| 17:30 | Event close |

Profile of organisers

Cambridge Wireless (CW)

CW is the leading international community for companies involved in the research, development and application of wireless and mobile, internet, semiconductor and software technologies. With over 400 members from major network operators and device manufacturers to innovative start-ups and universities, CW stimulates debate and collaboration, harnesses and shares knowledge, and helps to build connections between academia and industry. CW's 20 Special Interest Groups (SIGs) provide its members with a dynamic forum where they can network with their peers, track the latest technology trends and business developments and position their organisations in key market sectors. CW also organises major conferences and start-up competitions along with other high-quality industry networking events and dinners. With headquarters at the heart of Cambridge, UK, CW partners with other international industry clusters and organisations to extend its reach and remain at the forefront of global developments and business opportunities. www.cambridgewireless.co.uk

Profile of host

The XCHG

The XCHG is an exclusive workspace for innovators and entrepreneurs, nestled in the iconic 22 Bishopsgate, one of the most iconic sustainable buildings in London. www.xchgspaces.com

Profile of SIG Champions

Julie Bradford, Managing Consultant, Real Wireless

Julie has worked in the wireless industry for over 15 years. At Real Wireless, she is a thought leader in 5G business case analysis including understanding 5G use cases, quantifying (in financial terms) the operational and socio-economic benefits of 5G services and understanding network dimensioning and cost implications under 5G virtualised networks. She has most recently led Real Wireless' techno-economic analysis on the EC Horizon 2020 5G-MoNArch project. Inspired by the project's smart sea port testbed constructed by HPA, Nokia and DT in the Port of Hamburg, this analysis included quantifying the operational benefits of 5G to port authorities and other port users and the cost implications of delivering these industrial grade wireless services from existing mobile infrastructure via network slicing supported via the virtualised 5G-MoNArch network architecture. Previously, Julie was Communications Engineer at QinetiQ UK, consultant at PA Consulting UK, and Senior Systems Engineer for Airvana UK. real-wireless.com

Mark England, Associate Director, Cambridge Consultants

Mark England has spent three decades architecting, designing, and implementing a wide variety of wired and wireless communications products, services, systems and protocols; from short range point to point systems to those which operate on a global scale. Mark joined Cambridge Consultants in 2000, and for the past 17 years he has been providing leading edge design, development and consultancy services to a wide range of clients.

cambridgeconsultants.com

Andrew Palmer, Consulting Director, CGI

Andrew has more than 30 years of experience in IT, Telecoms and TV and Media, having worked in various roles for IBM, AT&T, Ericsson, Motorola and Arris. Andrew's present role is to leverage existing CGI capabilities that match the needs of our clients in the Telecoms sector, as well as building new capabilities that will support the emerging and changing needs of our client base. Andrew has proven experience in developing and delivering complex SI and Services solutions that meet both business and technology needs. Andrew has co-authored "UK Telecoms For Dummies", an essential guide to the complicated UK Telecoms sector as well as articles for publications such as the Cambridge Wireless Journal including "How do we build the new world of 5g?". He frequently speaks at conferences and provides media commentary on industry topics like 5G, IoT and Smart Cities, as well as being a member of the Digital Policy Alliance's Smart Society Working Group, techUK Spectrum Policy Forum and the Cambridge Wireless Virtual Networks Special Interest Group. cgi-group.co.uk

Afolabi Agbede, BT

Afolabi has over a decade of experience within the Mobile Network Operator and Vendor space where he's been responsible for the architecture, design, and evaluation of a number of radio, mobile and wireless projects. He holds an MSc (Distinction) in Personal, Mobile & Satellite Communications from the University of Bradford. Afolabi is a BT Accomplished Engineer, a Fellow of the Society of Broadband Engineers (FSCTE), a Chartered Engineer (CEng) and a STEM ambassador. He actively collaborates with Industry where he has contributed to standards development and specification working groups. Afolabi is also a committee member and secretary of his local IET branch and volunteers more widely within the Registrations and Standards Unit (RSSU) of the IET. Afolabi currently works in the Architecture function within BT Network Services with a focus on Mobile Network Standards & Architecture Evolution. www.bt.com

Tarek El-Basyouny, Mavenir

Tarek is Chief Architect - Strategic Accounts Europe, at Mavenir. With in-depth knowledge and experience in telecommunication systems design, Tarek provides technology leadership across wide range of product portfolios, including 5G, O-RAN, cloud platforms, edge computing, analytics, and automation frameworks, aimed at enabling strategic projects and transformation programs to foster innovation and achieve business objectives. Previously, Tarek led the next generation voice platform's cloudification program at Deutsche Telekom and held leading technical and product management roles at Vodafone Group. Tarek has a master's degree in electrical engineering from Ain Shams university and an MBA from Heinrich Heine University. He contributed to multiple granted patents in mobile communication and IP networking. www.mavenir.com

Koen Mioulet, EUWENA (European Users of Wireless Enterprise Networks Association)

Koen has worked in the mobile industry for decades; starting with major vendors such as Ericsson and Nortel and consecutively for many Dutch and international players; the latter of which is Cellnex in its private wireless provider role and he wrote multiple of their white papers. Recently, he worked with port of Rotterdam and Amsterdam Airport for private spectrum and - solutions in the mainports. In 2021 he was one of the founders of EUWENA, a pan EU association for all verticals and all countries, aiming at accelerating the market. In that capacity he holds presentations at international seminars and for the EU/RSPG. www.euwena.eu

Desmond O'Connor, Cisco

Dez has been innovating across the telecoms sector his entire career. Having lead product development in several service providers, Dez has overseen the network evolution from 2G, to 5G. He also ran a telecommunications management consultancy serving customers across Europe, Americas and Asia. More recently Dez develops Cisco's global 5G and WiFi6 business, leads on many of cisco's open V-RAN, Open Roaming and Private 5G initiatives. Dez also plays instrumental rolls across a number of UK Governments 5G initiatives such as 5G Rural-First, 5G New Thinking, NeutroRAN and 5G DRIVE. All consortium testbeds designed to increment 5G coverage either via technology, business model or ecosystem evolution. www.cisco.com

David Owens, Virgin Media O2

David is an engineer, with a passion for bridging the gap between business & technology. www.virginmedia.com