Mobile & Wireless Roundup #61 (see original on LinkedIn!)

By Zahid Ghadialy

Welcome to the 61st edition of this newsletter. One of my biggest challenges is to ensure least amount of spam on all the LinkedIn groups I manage. Technically spam is not just unsolicited messages like adverts, promotions, phishing, malware, etc., but also irrelevant messages.

For example if a group is dedicated to LTE standards people keep posting about how they have deployed fibre optics network or how the latest Apple headset will be revolutionary. If I point it out, people get upset sometimes. Most of the times I go ahead and delete any irrelevant messages.

The real challenge comes from the spammers who post completely random messages on the groups and then these random messages like 'how to pick-up a girl' or 'how to earn $xyz per hour' will have more engagement than the relevant posts ¯_(ツ)_/¯.

I have previously discussed how LinkedIn has become a source of sharing pirated material or sharing other things without permission. In many cases marketing teams of companies create a whitepaper which they would share with you in exchange for your contact details. This also allows them to collect leads and statistics from the website on how popular a topic may be. People sharing them on LinkedIn causes them to lose valuable information that would feed into future strategies.

The worse thing is that there is no easy way to report these unless you are the owner or an agent working on their behalf. In many cases there is also no easy way to inform the owners but as someone told me, I should mind my own business and let people share what they want to share 🙄.

For those of you who don't know me, I am a technologist with over 24 years' experience in mobile wireless technology, currently working as an independent advisor, analyst, consultant and a trainer. This newsletter is a summary of my posts and others news that caught my attention since the last newsletter.

◉ 6G

- Free 6G Training: NGMN's Position Statement Emphasises 'Evolution', not 'Revolution' for 6G ([link](#))
- Wireless Technologies for Accelerating High-capacity Transmission, Low Energy, and Application-area Expansion from NTT Technical Review ([link](#))
- IMT-2030 Usage Scenarios (Wheel diagram) and Capabilities (Palette diagram) ([link](#))
- Fattesinh Deshmukh on LinkedIn - 3GPP RAN Plenary#101 (Q3-2023) update: Rel-18, Rel-19, IMT-2030/6G Planning ([link](#))

WG	Potential Rel-19 items for discussions till RAN#102 (Dec-2023)
RAN1	• AI (Artificial Intelligence)/ML (Machine Learning) for Air interface • MIMO Evolution • Duplex Evolution • Ambient IoT* • Network energy savings • LP-WUS/WUR • ISAC & Exploring study in new spectrum (7-24 GHz)
RAN2	• Mobility Enhancements • Enhancements for XR • NTN (Non-Terrestrial Networks) evolution for NR • NTN (Non-Terrestrial Networks) evolution for IoT • AI/ML for Air interface SI (Mobility) • [RAN1-led] Ambient IoT • [RAN1-led] AI/ML for Air interface
RAN3	• AI/ML for NG-RAN • SON/MDT Enhancements • Additional Topological Enhancements • [RAN1-led] Ambient IoT

◉ 5G

- Connectivity Technology Blog: Deutsche Telekom Demonstrates 12 Gbps on 5G Using 6 GHz Band ([link](#))
- Vodafone provides 5G to world's largest robotics exercise ([link](#))
- Light Reading: 3GPP publishes 5G Broadcast specs ([link](#))
- MWL: Samsung, KDDI set up global network slicing group ([link](#))

◉ 4G/LTE

- Operator Watch Blog: No Plans for 5G in Barbados with Plenty of Scope for LTE Improvement ([link](#))

◉ **2G/3G**

- CommsUpdate: Slovak Telekom to begin 3G shutdown on 3 October (link)
- GSMA: Sunsetting 3G to Aid 5G Progress in Central and Eastern Europe (link)

◉ **Open & Disaggregated Networks (including Open RAN, vRAN, etc.)**

- Paul Rhodes on LinkedIn: MWC Notes : OpenRAN Ready? (link)
- Jinsung (Alex) Choi on LinkedIn: Demystifying the roles of 3GPP RRC standard, vendors' RRM and O-RAN RIC (link)
- TMN: Ericsson says it is now ready for O-RAN leadership (link) – Keith Dyer's take and the discussion on the topic on LinkedIn here.
- Jinsung (Alex) Choi on LinkedIn: O-RAN RIC App Code Interpreter (link)
- TMN: Telefonica steps into Open RAN "dream" with Ericsson (link)
- Jinsung (Alex) Choi on LinkedIn: The Power of Models in O-RAN SMO (link)
- TMN: NTT takes OREX to market – adds seven RU vendors (link)
- Telecom TV: NTT Docomo flexes its Open RAN muscles with 5G deployment (link)
- RCR Wireless: Three categories of Open RAN test labs driving deployment (link)
- Jinsung (Alex) Choi on LinkedIn: Harnessing Network Programmability with O-RAN-as-a-Service (ORaaS) Paradigm for Enterprise 5G Opportunities (link)
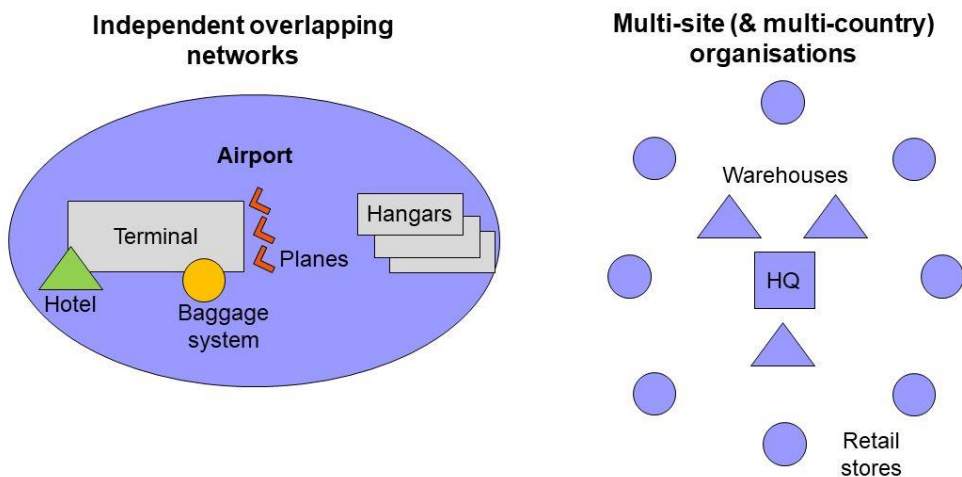
◉ **Spectrum**

- Dean Bubley on LinkedIn: "*File this one under "high quality problems"! We're starting to see a trend towards multiple enterprise private 5G networks on the same site, or very close to each other. That has a lot of implications...*" (link) – fantastic comments on the thread.
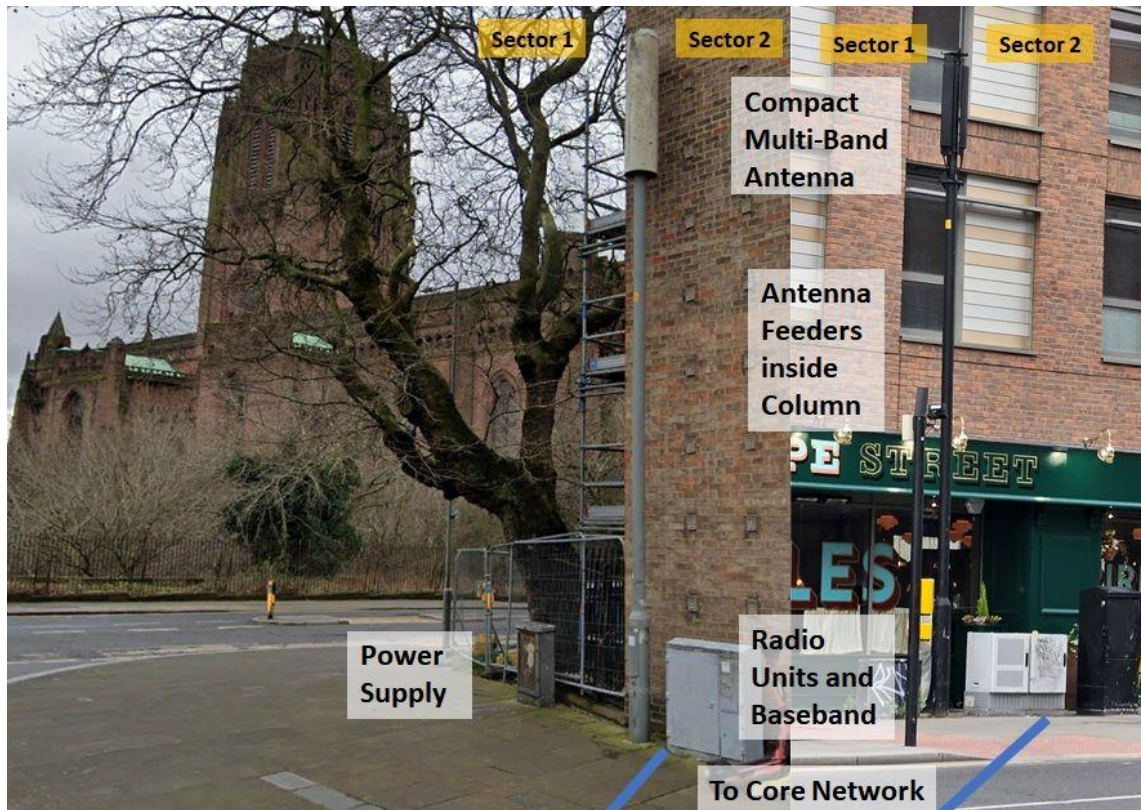

◉ **Private Networks**

- Private Networks Technology Blog: Port of Kokkola 's Private LTE (P-LTE) Network in Finland (link)

- Hema Kadia on LinkedIn: Top 12 Private & Hybrid 5G Networks in Focus | Aug & Sep Insights (link)
- Light Reading: Private wireless heats up at MWC (link)
- Mobile Europe: Private mobile network deployments still growing but LTE rules over 5G (link)

◉ **Telecoms Infrastructure, Small Cells, Antennas & others**

- Jinsung (Alex) Choi on LinkedIn: The Synergy of Programmable O-RAN and Infrastructure as Code (IaC) (link)
- Paul Rhodes on LinkedIn - Thursday School : Repeat What Works (link)

◉ **IoT / M2M / Smart Homes**

- RCR Wireless: Orange commits to LoRaWAN in France beyond 2027 (link)

◉ **Virtualization, Cloud & Edge**

- New White Paper Explores ETSI TeraFlowSDN Alignment with TIP OOPT MUST Requirements (link)
- Jinsung (Alex) Choi on LinkedIn: Cattle, Pet and Poultry in Telco Network Cloudification (link)

◉ **Security & Privacy**

- Eugina Jordan on LinkedIn: Things you did not know about telecom - Security Edition, Part 2 (link)
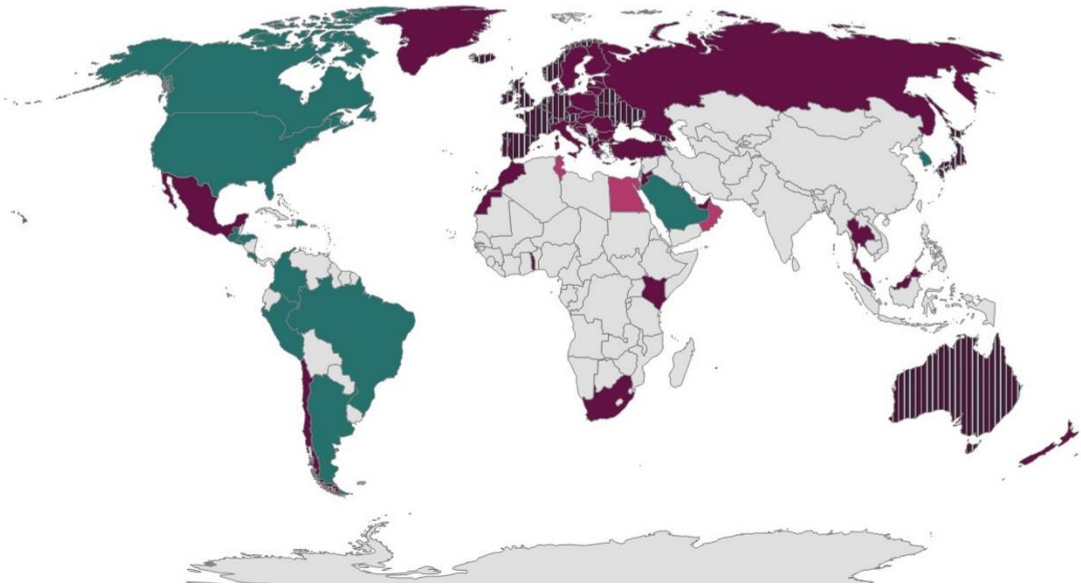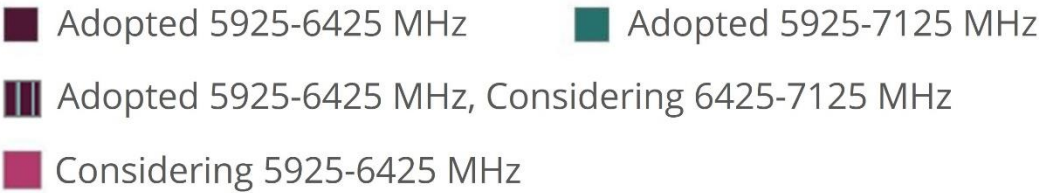
◉ **AI, ML & Automation**

- AI/ML Management for 5G Systems by 3GPP WG SA5 (link)

- Jinsung (Alex) Choi on LinkedIn: Model-Driven Configuration Management Automation for Telco Network Infra (link)

Feature	Focus & Purpose	Configuration Entities	Policy Enforcement	Service Modeling	Operating Environment	Integration Capabilities	Use Cases	Version Control	Workflow
ONAP	Telecom networks, orchestration, and automation of network services and functions	VNFs, network services	Real-time, policy-driven automation and configuration	Supports TOSCA, YANG, and other standards	5G, IoT, traditional telecom networks	Integrates with various network functions and services	Managing and orchestrating telecom network services and functions	Version controls network configurations and policies	Workflow from design to operation, focused on network services
Anthos	Hybrid/multi-cloud application platform; configuration and policy management	Kubernetes resources, configurations policies	Policy-as-Code, consistent policy enforcement across Kubernetes clusters	Uses Kubernetes manifests and configuration as code (kpt, configsync)	Cloud-native, hybrid, and multi-cloud environments	Integrates with Google Cloud and other cloud services	Deploying and managing applications in hybrid and multi-cloud	Git-based version control for configurations and policies	DevOps-centric workflow for application deployment and management
Ansible	IT automation, configuration management, application deployment	Servers, hosts, IT infrastructure	Ad-hoc tasks and playbook execution for policy enforcement	Uses YAML-based playbook language	On-premises, cloud, hybrid environments	Integrates with various IT services, platforms, and tools	Broad IT automation tasks, configuration management, application deployment	Version controls playbooks and configurations using any VCS	IT automation workflow for task execution, configuration, and deployment

◉ **Wi-Fi**

- Wi-Fi Alliance: Countries Enabling Wi-Fi in 6 GHz (Wi-Fi 6E) (link)

■ Adopted 5925-6425 MHz   ■ Adopted 5925-7125 MHz

▐▌▌ Adopted 5925-6425 MHz, Considering 6425-7125 MHz

■ Considering 5925-6425 MHz

◎ Smartphones, Devices, Wearables & Gadgets

- MWL: Meta Platforms unleashes Quest 3, AI assistant ([link](#))
- CNET - Meta Connect 2023: Everything Revealed in 10 Minutes ([video](#))
- Assaf Aviv on LinkedIn: "*Apple has just announced that the upcoming iPhone 15 Pro and iPhone 15 Pro Max will support the next-generation Wi-Fi 6E connectivity...*" ([link](#))

◎ Sustainability

- CCS Insight: BT Showcases Its Sustainability Credentials ([link](#))
- STL Partners: How should telcos tackle Scope 3 emissions? ([link](#))

◎ Other News and Technology Stuff

- MWC Las Vegas 2023 Video highlights ([Day 1](#), [Day 2](#), [Top 5 takeaways](#))

◎ Picture of the week: John K. Bramfeld shares a monopole [on Twitter](#) from Las Vegas which is missing its cover.

Happy to hear your thoughts. Feel free let me know what worked, what didn't, how I can make this better, etc. Get in touch over LinkedIn!

PDF version of this and previous newsletters are available [here](#).