

Mobile & Wireless Roundup #56 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 56th edition of this newsletter. Summer is transitioning to autumnal weather in the northern hemisphere. In UK we had results for many crucial exams in the last couple of weeks. While many students have been enjoying the success they deserved, others are getting to grips with unfortunately disappointing results.

In many western countries there is so much shortage of the right talent with excellent computer skills that even the larger companies, known for their traditional hiring practices, are relaxing the requirements for bachelors/masters in a particular domain. If you are willing to learn and work hard, there is always something for you.

I also heard a small piece on the radio about how scientists think that you can trick/hack your brain into happiness by feeling positive and celebrating small wins. I remember watching something along these lines many years ago where it was said that we can plant false memories in our head as children and younger people. Most of the time these memories are scary ones but we can also plant happy memories that can give us lifelong happiness.

So it doesn't matter if you are not climbing a mountain or able to solve Rubik's cube in ten seconds or able to run marathons, If you are happy with your small achievements like solving [Wordle](#), [Octordle](#) or [Sudoku](#), you are already on a good path.

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.



Private 5G Networks Made Simple



🕒 6G

- Prof. Theodore (Ted) Rappaport Keynote at EuCNC & 6G Summit 2023 on 'Looking Towards the 6G Era - What we may expect, and why' ([link](#))
- VnEconomy: Vietnam sets up a team to develop 6G equipment ([link](#) in Vietnamese)
- Business Korea: 6G Commercialization Project to Kick off Next Year ([link](#))

🕒 5G

- Updated 5G NR Release 15 summary by Qualcomm ([link](#))
- Omdia: 5G as a Catalyst of China's Economic and Social Development ([link](#))

🕒 4G/LTE

- News Ghana: Ghana to Establish a Neutral Shared Infrastructure for 5G and 4G ([link](#))

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

- Eugina Jordan on LinkedIn: Things you did not know about telecom - Open RAN Edition ([link](#))
- MWL: South Korea outlines domestic open RAN group vision ([link](#))
- Light Reading: Winter is coming for open RAN new entrants ([link](#))
- Eugina Jordan on LinkedIn: Spotlight on open RAN Orchestration and Management Automation (ROMA), TIP's Open RAN PG ([link](#))

ROMA Subgroup – open RAN Orchestration & lifecycle Management Automation

ROMA focuses on aggregating and harmonizing MNOs requirements on Open RAN orchestration and lifecycle management automation, fostering ecosystem partners to develop products and solutions that meet ROMA requirements.

Subgroup Goals:

- Develop a common set of use cases for OpenRAN lifecycle management automation and orchestration that are agreed across multiple MNO and OpenRAN ecosystem members
- Develop Technical Requirements on products and solutions that support the identified use cases, including interfaces and data models
- Facilitate product and solution development through lab testing, field trials, participating TIP Plugfest and badging on TIP exchange etc.
- Support large scale OpenRAN deployment with lifecycle management automation, including Continuous Integration and Continuous Deployment (CI/CD) frameworks and tool sets.

- ➡ **Developing ROMA Function Architecture**
- ➡ **ROMA SBMA Work Line**
- ➡ **ROMA Network Slicing Work Line**

📡 Spectrum

- Mohamed Abdel Monem on LinkedIn: Why 100MHz in 5G is more efficient than 100MHz in LTE? ([link](#))
- MIT Technology Review: The beautiful complexity of the US radio spectrum ([link](#))

🏠 Private Networks

- The management of non-public networks (NPN) in 3GPP has been introduced in 3GPP Release 17 ([link](#))
- RCR Wireless: Deutsche Telekom gets 'largest' private 5G gig – three German ports, for Eurogate ([link](#))

📡 Telecoms Infrastructure, Small Cells, Antennas & others

- Paul Rhodes on LinkedIn - Thursday School : Special Coverage Infrastructure & Data Centres ([link](#))
- Fierce Wireless – USA: 5G small cell deployments will likely get a boost ([link](#))

📡 IoT / M2M / Smart Homes

- Telit Cinterion: Why You Should Consider Delaying 5G RedCap Device Use ([link](#))

🏠 Smart Cities

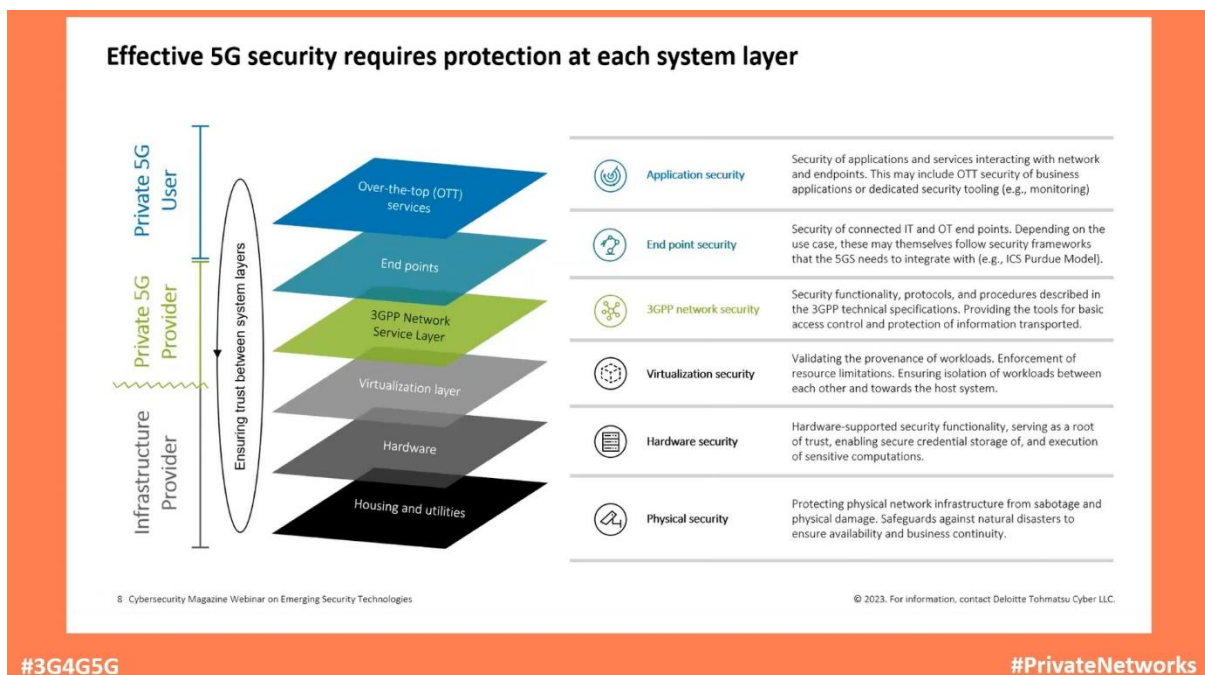
- The Conversation: Creating 'sponge cities' to cope with more rainfall needn't cost billions – but NZ has to start now ([link](#))

☁️ Virtualization, Cloud & Edge

- Telecoms Infrastructure Blog: 'Story of the Edge' by Akamai ([link](#))

🔒 Security & Privacy

- Private Networks Technology Blog: Looking at Private Networks Security ([link](#))



🕒 Smartphones, Devices, Wearables & Gadgets

- Counterpoint: 2023 Global Smartphone Shipments to Hit Decade Low As Apple Inches Closer to Top Spot ([link](#))
- Light Reading: The quiet comeback of the dumbphone ([link](#)) – Counterpoint blog post [here](#).

🕒 AI, ML & Automation

- Jinsung (Alex) Choi on LinkedIn: The Untapped Potential of Leveraging LLM in Telecom Networks ([link](#))
- Jinsung (Alex) Choi on LinkedIn: WAN as LLM Code ([link](#))
- Jinsung (Alex) Choi on LinkedIn: 5G Network Open API Programming and LLM ([link](#))

🕒 Satellites, HAPS, Drones, UAVs & Space

- Multi-layer Non-terrestrial Network for Beyond 5G/6G Mobile Communications ([link](#))

🕒 Wi-Fi

- ExtremeTech – Intel Tech: Wi-Fi 7 Will Only Work on Windows 11 ([link](#))

🕒 Sustainability

- Free 6G Training: one6G Open Lecture 6 on 'Sustainability in 6G' ([link](#))

one6G: Open Lecture 6 – Sustainability in 6G

#Free6Gtraining

- Ericsson: Why every decision on 6G must put sustainability first ([link](#))

🕒 Other News and Technology Stuff

- Video Tutorial: Shining Light on Solar Cells with Christopher Tan ([link](#))
- Dr. Kim (Kyllesbech Larsen) on LinkedIn: What drives cellular data consumption - A Teaser ([link](#))

🕒 **Picture of the week:** Lightning protection is another very important but overlooked area. Most towers and antenna sites are equipped with some or other lightning protection mechanism to

ensure that if a lightning strikes, it does not damage the expensive electronic equipment and the extra charge is safely dissipated to the ground. The following picture is shared by [@denpa893](#) on X (formerly Twitter) showing how a lightning rod is protecting a Yagi antenna.



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](#).