



Mobile & Wireless Roundup #81 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 81st edition of this newsletter. As the mobile and telecoms industry in general gears up for the largest and most significant annual event there is a slew of press announcements. I am certainly looking forward to going and walking the conference floor trying to learn more about the companies, their products, the direction of technology, progress, etc.

Five years ago, MWC 2019 was dominated by lots of 5G Network Slicing demos and products, surely more than half of these companies touting their slicing wares have disappeared, either closed down or acquired by someone else. This is a huge challenge with the telecoms industry. One expects something to take off, only to find that all the hoo-hah was of no consequence. Glad to see a more mature version of Network Slicing dominating the news recently. Hopefully it's not a damp squib.

There are so many other high profile topics that will be visible around the show floor, including, AI, Sustainability, Private Networks, Open RAN, 5G Roaming, smartphones, wearables, HMDs and last but not the least, my favourite, 6G.

Finally, if you enjoy my blog posts, tutorials, videos, newsletters, etc., please consider voting for me for [MEFFYS](#). It will take only 2 mins, unless you watch my video as well 🤪. Voting is open until Sunday evening and winners will be announced on Monday. You can vote [here](#).

Looking forward to catching up with friends, colleagues and the industry in general next week at MWC 2024. The official hash tag is #MWC24, don't forget to include in your posts 😊.

For those of you who don't know me, I am a technologist with over 25 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.



Meet us at
Mobile World Congress 2024

26 - 29 FEB

Hall No. **5** Booth No. **B41-26**



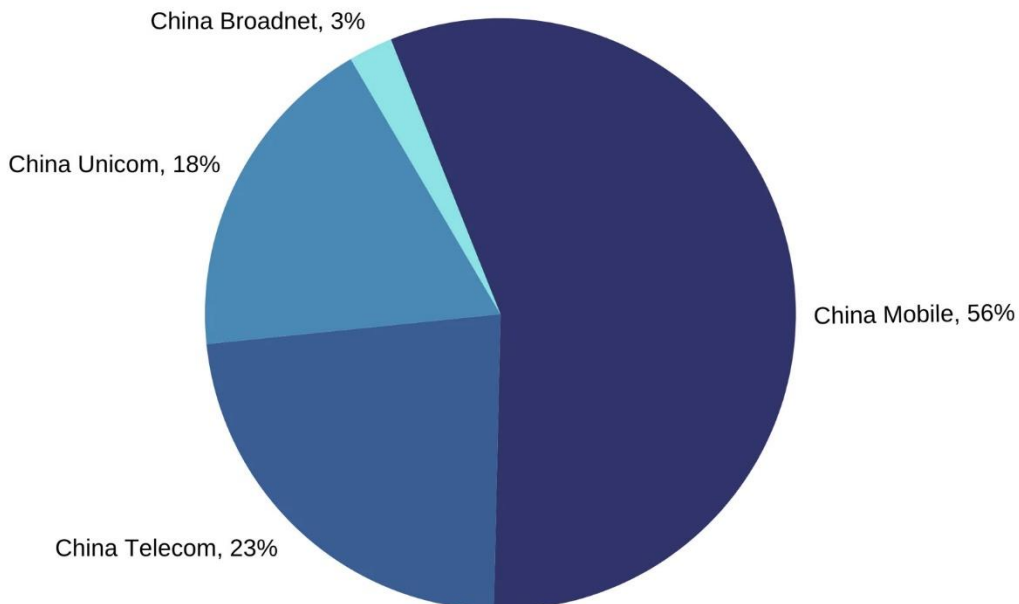
This newsletter is kindly sponsored by Firecell - the Private 5G experts

6G

- NTT: Successful demonstration of computing and mobile networks convergence to provide diverse services in the 6G era ([link](#))
- Microwave Journal: 6G and The Long RF Journey Ahead ([link](#))
- Jinsung (Alex) Choi on LinkedIn: Navigating Native AI in 6G with O-RAN Architecture ([link](#))

5G

- Nick vs Networking: Uncomfortable Questions to ask about 5G Standalone at MWC – Part 1 – Does Standalone save \$\$\$? ([link](#))
- Nick vs Networking: Uncomfortable Questions to ask about 5G Standalone at MWC – Part 2 – Has this Cash cow got Milk? ([link](#))
- TeleGeography - China: The World's Biggest 5G Market with an estimated 750 million active subscriptions at the end of September 2023 ([link](#))



TeleGeography

- NEC launches new User Plane Function (UPF) product for telecom operators, aiming to achieve networks for the Beyond 5G/6G era ([link](#))
- Emil Olbrich on LinkedIn: "Michael Thelander and I just published a FREE to everyone Signals Research Group - SRG report on testing we did with Samsung Networks and their Multi-User MIMO (MU-MIMO) C-band 5G NR system deployed with Verizon..." ([link](#))

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

- The Register: Nokia brainwave turns cell towers into cash cows with backup batteries ([link](#))
- Paul Rhodes on LinkedIn - Thursday School : Rooftop Site, Made Better? ([link](#))

🕒 **IoT / M2M / Smart Homes**

- RCR Wireless: Power ‘no longer a concern’ – Sony hails ‘revolutionary’ LTE-M/NB-IoT SoC ([link](#))
- Counterpoint Research: 2.2 Billion IoT Connections Expected to be on eSIM by 2030 ([link](#))

🕒 **Smart Cities**

- BT launches multi-million-pound NB-IoT network to support UK smart cities ([link](#))

🕒 **Virtualization, Cloud & Edge**

- NTT DOCOMO and SK Telecom Release White Paper on Base Station Equipment Utilizing Virtualization Technology ([link](#)) – Analyst Gabriel Brown’s take on LinkedIn [here](#).

🕒 **Security & Privacy**

- The Guardian - Sim-swap fraud: How your bank account can be emptied by phone ([link](#))
- Mohamad Hajj on LinkedIn: "#EU Member States, with the support of the European Commission and European Union Agency for Cybersecurity (ENISA), the EU Agency for Cybersecurity, published a report on the #cybersecurity and #resiliency of Europe’s communications infrastructures and networks..." ([link](#))
- GSMA: Securing the Telecoms Industry in a Post-Quantum Future ([link](#))



Figure 1: PQTN Task Force Publication Overview

🕒 **Smartphones, Devices, Wearables & Gadgets**

- Daring Fireball: The European Commission Had Nothing to Do With Apple’s Reversal on Supporting RCS ([link](#))

- Telecom TV: Europeans warm to refurbished smartphones ([link](#))

🕒 AI, ML & Automation

- UKTIN: Artificial Intelligence Future Capability Paper ([link](#)) – summary [here](#).

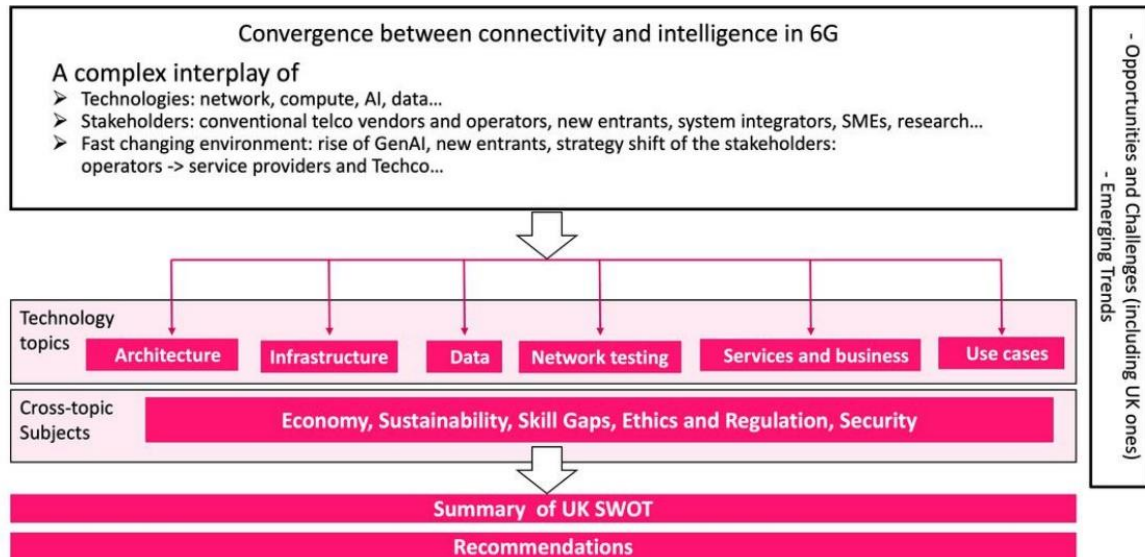


Figure 1 - Structure of this AI EWG paper

- Jinsung (Alex) Choi on LinkedIn: Co-Design of Hardware and AI Compiler for Super Fast LLM Inferencing ([link](#))
- Jinsung (Alex) Choi on LinkedIn - Unraveling the "Why": A Deep Dive into LLM based Root Cause Analysis for O-RAN Networks ([link](#))
- Jinsung (Alex) Choi on LinkedIn - Intelligent Automation Unleashed: The Rise of Large Action Models ([link](#))
- Eugina Jordan on LinkedIn - Gen AI for B2B: AI, Gen AI & Deep Learning ([link](#))

🕒 Satellites, HAPS, Drones, UAVs & Space

- 3GPP Release-18 enhances 5G NTN applications and performance ([link](#))

🕒 Sustainability

- Counterpoint Research: Huawei Zero Bit, Zero Watt Delivers Energy Savings And Increased Performance ([link](#))

🕒 Other News and Technology Stuff

- Jinsung (Alex) Choi on LinkedIn: Need for Speed (Part 2) ([link](#))
- ITIF: Assessing India's Readiness to Assume a Greater Role in Global Semiconductor Value Chains ([link](#))
- Jinsung (Alex) Choi on LinkedIn: GenAI-based Network Digital Twin architecture (Part 3) - GraphOps perspective ([link](#))
- SoftBank Corp. Successfully Completes Field Trial with Common API for Collaboration with Global Telecommunication Operators ([link](#))

📌 **Picture of the week:** This picture from Japan, shared on [Twitter](#), surprised me a bit and I am wondering the reason behind it. You see the infrastructure is hosted on top of a platform that is built on the tower. I can speculate many different reasons like the need for the height but not possible to construct a high tower due to structural requirement for wind loading. The fact is that I am not sure of the reason and can't find one. Expert opinions welcome 😊



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](#).