

Mobile & Wireless Roundup #4

By Zahid Ghadialy

Welcome to the fourth edition of this newsletter. For those of you who don't know me, I am a technologist with over 23 years' experience in mobile wireless technology, currently working as an independent 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: one6G publishes '6G Vertical Use Cases' whitepaper ([link](#))
- Analysys Mason: Network convergence will be essential if 6G is to address the shortcomings of 5G ([link](#))
- ICYMI – My 'Free 6G Training' Course ([link](#))
- This post on “SK Telecom Claims ‘Bare Metal-Based Cloud-Native 5G Core’ as Foundation for 6G Evolution” generated a good discussion on LinkedIn ([link](#))

📡 5G

- Connectivity Technology Blog: Haptics and Telepresence with 5G Connectivity ([link](#))
- The 3G4G Blog - GSMA Intelligence Webinar: Is the Industry Moving Fast Enough on Standalone 5G? ([link](#))
- Operator Watch Blog: Cambodians are Praying for 5G to Ease Data Congestion and Increase Speeds ([link](#))
- TechCrunch: Ambani's Reliance Jio top buyer in India's \$19 billion 5G airwaves sale ([link](#))
- Share Tech Note: 5G NR Release 16 Highlight ([link](#))
- 3GPP Explains TSG CT Work on UAS Connectivity, Identification and Tracking ([link](#))
- Telecom TV: Is 5G slicing a blessing or a curse? ([link](#))
- Manoharan Ramalingam: Whether the mmWave based 5G Systems will Succeed? - a practical perspective (Part-5, Final) ([link](#))
- 5G Adverts from Around the World ([link](#))
- My Free 5G Training course, '5G for Absolute Beginners', is on its way to 10K students ([link](#))

📡 4G/LTE

- 3GPP SON Series: Random Access Channel (RACH) Optimization ([link](#))
- Online 2G/GSM, 3G/UMTS, 4G/LTE Message Analyser ([link](#))

📡 2G/3G Shutdown

- CNN Philippines: PLDT Group eyes 3G sunset by next year ([link](#))
- Commsupdate: Flow Jamaica 2G shutdown underway ([link](#))
- Sunrise Switzerland to deactivate 2G as of January 3, 2023 ([link](#))
- New Caledonia's state-run national PTO ceased deploying new 2G sites in 2019, 2G sunset started earlier this year, final shutdown in 2025. It is expanding 3G & 4G capacity and density; deploying VoLTE and IoT (LTE-M, NB-IoT) ([link](#))
- I have a 2G3Gshutdown thread on Twitter [here](#).

📡 Open RAN

- ICYMI: I had a short conversation with Keate Despain from Intel Corporation on Open RAN at MWC 22 ([link](#))
- Telecom TV - Show us the money: Open RAN TCO is proving elusive... ([link](#))
- Light Reading: Secretive 1&1 faces surging costs for German open RAN rollout ([link](#))

🕒 Private Networks

- Huawei Tech Magazine: Unlock New Business Value with 5G: How can carriers access the vast 5GtoB market and keep pace with market evolution? ([link](#))

🕒 IoT / M2M

- Matt Hatton - 5G RedCap: the new cellular IoT technology optimised for nothing ([link](#)).
 - Pic [here](#).
- Our old tutorial on 5G Reduced Capability (RedCap) Devices is [here](#).

🕒 Security & Privacy

- IBM has a nice explainer video on Zero Trust [here](#).
- Cyber Security Magazine Podcast on YouTube: Security in Supply Chains ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- From last year on Wired: Why Not Use Self-Driving Cars as Supercomputers? ([link](#)) – please don't take this seriously but it has some interesting data points.

🕒 Artificial intelligence & Machine Learning

- Humans Can't Be the Sole Keepers of Scientific Knowledge. Communicating scientific results in outdated formats is holding progress back. One alternative: Translate science for machines ([link](#)) - HT Alexander (Sasha) Sirotkin ([link](#))

🕒 Wi-Fi

- GSMA wants 6 GHz spectrum to be allocated to 5G on a licensed basis, rather than unlicensed, which can be used for Wi-Fi ([press release](#))
- Dean Bubley has a short post on this topic where he sees no justification for 6GHz exclusive licenses for public 5G & MNOs ([link](#))
- Seoul City to Add Free Wi-Fi Equipment at Tourist Attractions and Welfare Facilities ([link](#))
- Telecom TV - Pitting 5G against Wi-Fi 7: Which tech camp will win big on 6GHz spectrum assignments? ([link](#))
- Network World - 802.11x: Wi-Fi standards and speeds explained ([link](#))

🕒 Other News and Technology Stuff

- Nick vs Networking: Diameter Routing Agents (Why you need them, and how to build them) – Part 1 ([link](#))
- Total Telecom: South Korean operators betting big on content creation ([link](#))
- Light Reading: Vodafone warns prices must rise as its energy bill soars ([link](#))
- You may be interested in reading about the two Indian billionaires trying to outdo each other in 5G at Inventiva [here](#).
- GSA: 2G-3G Switch-off July-2022 Summary Report ([link](#))

- Steve Unger, Chair of the CW (Cambridge Wireless) Board gave a presentation on Optical Telegraphs. Slides available [here](#).
- Jeff Bezos Will Soon Bring Us a 10,000 Year Clock Inside a Mountain 🧐 ([link](#))

📷 Picture of the week

Pic of the week: <https://twitter.com/svdleer/status/1554741022978150400>

A 9 sector multi-beam antennas site with probably 10 degrees wide sectors, 90 degrees total, at Tomorrowland in Belgium

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!