

Mobile & Wireless Roundup #36 (see original on [LinkedIn!](#))

By Zahid Ghadialy

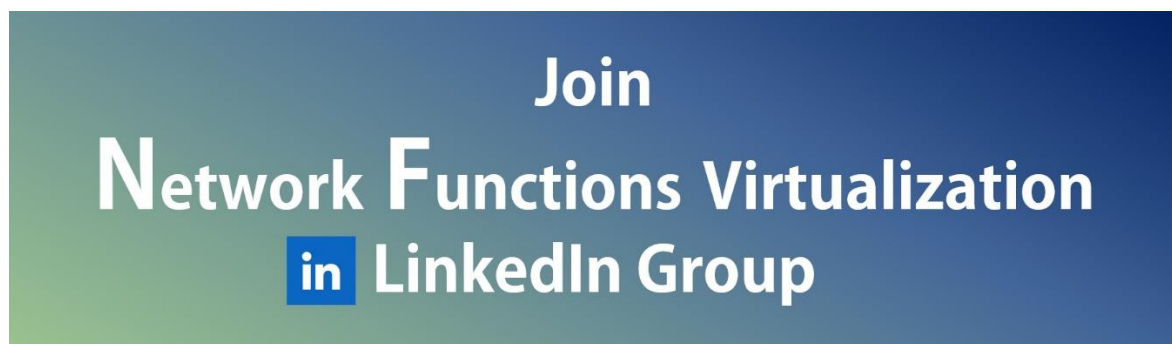
Welcome to the 36th edition of this newsletter. Over this last week I was going through some old 5G presentations from 2016. A lot of them talked about technology, others about how to make sure 5G is profitable, others on how Network Slicing will be a game changer and so on. They may have made sense back in 2016 but so many aspects of the promises and technologies are still missing from the 5G public networks of today.

Some weeks ago I was chatting to a contact from a mobile operator. He was rather blunt and to paraphrase what he said: “Look at the stock price of any operator five years back and then today, there is hardly anyone making money. 5G didn’t really help most service providers financially so we think 6G is just a big distraction”. It’s no surprise that I read similar sentiments in the 6G club article below and the Light Reading article that was included in last week’s newsletter.

For 6G to really succeed and be meaningful, I think all the new 3GPP releases should be slowed down and the intention should be for 6G to be rolled out in 2032/33. This will give the industry enough time to assess the impact of 5G Standalone (SA) networks which, already being rolled out in private networks, will also be rolled out in public networks. The technical challenges and shortcomings of network slicing in public networks could also be assessed over the next 2-3 years once 5G SA networks have been rolled out.

I have a feeling that this will not garner support from most of the community but I believe most operators will support this if the option is provided to them. In any case the vendors tell me if we don’t do a good job in 6G, we will fix the problems the later G’s.

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 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: India Playing Catch-up on Mobile Technology with the Launch of 'Bharat 6G Vision' ([link](#))
- TMN: In the 6G club ([link](#))

🕒 5G

- Nice paper by 3GPP industry experts - 5G-Advanced Towards 6G: Past, Present, and Future ([link](#))

🕒 4G/LTE

- Thierry Van de Velde on LinkedIn: Is a Control-User Plane Split economically justified in Core Networks? ([link](#))

🕒 2G/3G

- Me on Twitter: "Orange Polska (Poland) is starting shutdown of it's 3G network from September. The process will continue until the end of 2025." ([Tweet](#) with video)

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

- 5GAmericas white paper 'The Evolution of Open RAN' ([link](#))
- Alex Jinsung Choi, Chairman of O-RAN Alliance talks about Energy Efficiency in O-RAN open RAN on LinkedIn ([link](#))
- Light Reading: Open RAN platforms to support far edge AI inference ([link](#))
- Light Reading: Six benefits of virtualized RAN ([link](#))
- Nokia and AT&T leverage advanced intelligence of the Open RAN compliant near real-time RAN Intelligent Controller with native E2 in successful trial ([press release](#))
- Light Reading: The virtual RAN benefits are as clear as mud, unless you're Intel ([link](#))
- TelecomTV: The Open RAN show Episode three: Takeaways from MWC23 ([video](#))
- Telecom Infra Project: TIP Academy to help Learn, Create and Innovate ([link](#))

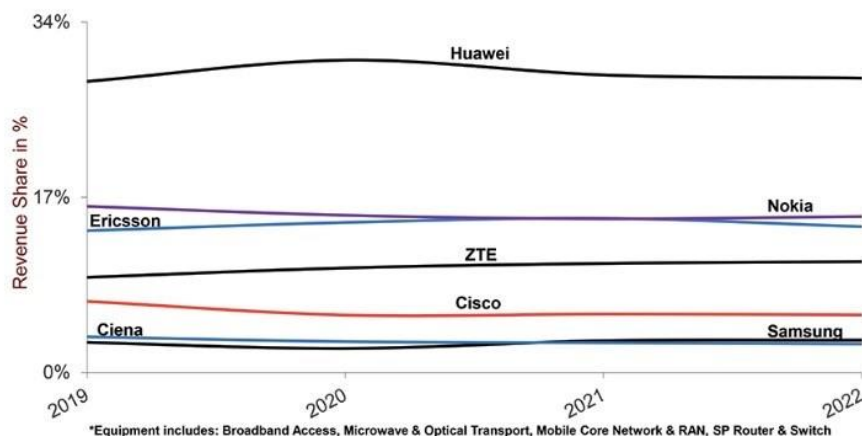
🕒 Private Networks

- Light Reading: Verizon, NTT among service providers narrowing private 5G focus ([link](#))
- RCR Wireless: Anterix sees \$3 billion pipeline for private utilities networks ([link](#))
- Light Reading: Can MOCN save private wireless? ([link](#))

🕒 Small Cells & other Telecoms Infrastructure

- Operator Watch Blog: Jio Platforms (JPL) is Flaunting their 5G Wares ([link](#))
- Light Reading - US cell towers and small cells: By the numbers ([link](#))
- Telecom TV: Huawei is still the world's biggest telecom equipment vendor ([link](#))

Worldwide Telecom Equipment



Source: Dell'Oro Group

🕒 IoT / M2M / Smart Homes

- RCR Wireless: Lenovo ‘empowers IoT’ with embedded Vodafone data SIMs ([link](#))
- Transforma Insights have identified 24 key trends for Communications Service Providers in IoT ([link](#))

🕒 Cloud & Edge

- RCR Wireless: BT taps AWS for ‘multi-million’ 5G MEC network for high-end IoT ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- Vehicle to Everything (V2X) section on 3G4G ([link](#))

🕒 Smartphones, Devices, Wearables & Gadgets

- There is a movie on Blackberry coming soon ([trailer](#))
- Daily NK: N. Korea cracks down on users of falsely-registered cell phones ([link](#))
- The Guardian: Robot lips invented for long-distance kissing ([video](#))
- Light Reading: Why Intel ditched 5G laptops, and what to expect next ([link](#)) – some good points by Analyst Dean Bubley on LinkedIn [here](#).

🕒 AI, ML & Automation

- TMN: AI everywhere all the time ([link](#))
- New ETSI White Paper: Unlocking Digital Transformation with Autonomous Networks ([link](#))

🕒 Satellites, HAPS, Drones, UAVs & Space

- Ingka: One hundred drones now used across IKEA retail for stock inventory ([link](#))
- Light Reading: Alarm bells at Australia’s broadband wholesaler NBN Co as LEOsat, 5G competition begins to bite ([link](#))
- Hybrid Connex: East of England first NHS ambulance trust to pilot new technology that delivers ‘unbreakable connectivity’ ([link](#))
- Nice video of a Tendeg 70 cm backhaul gimbaled Antenna in AST SpaceMobile doing the 2nd phase of its deployment. Popping out like an umbrella. ([Tweet](#))

🕒 Wi-Fi

- Connectivity Technology Blog: IEEE 802.11bn Ultra High Reliability (UHR), a.k.a. Wi-Fi 8 ([link](#))

🕒 Metaverse

- Huawei Tech: Four Core Network Capabilities that Enable the Metaverse ([link](#))
- Light Reading: Apparently, the metaverse will run just fine on 5G ([link](#))

🕒 Sustainability

- Light Reading: Telcos coo as Nvidia pumps up the dirty Gen AI bubble ([link](#))

🕒 Other News and Technology Stuff

- Analyst Shiv Putchu on LinkedIn - Mobile World Congress 2023 Part 4: FWA, NTN and the shrinking Digital Divide ([link](#))
- Light Reading: BlackBerry to sell patents in \$900M deal ([link](#))

- MWL: Samsung Electronics unveiled its first ultra-wideband (UWB) chipset combining highly accurate location tracking capability and security ([link](#))
- Light Reading: 1&1, Dish and Rakuten add up to 'greenfield' misery ([link](#))
- Meta blog: Network Fee Proposals Are Based on a False Premise ([link](#))
- A fantastic Twitter thread on Emergency Alerts ([link](#))
- New York Times: The Brilliant Inventor Who Made Two of History's Biggest Mistakes ([link](#))

🕒 **Picture of the week:** A picture of solar and wind powered COW from 2011, shared by Kevin Kleinsmith. You can read more about it on LinkedIn [here](#).



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](#).