

Mobile & Wireless Roundup #19 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 19th edition of this newsletter. The predictions season has started so I shall start a new section on predictions for 2023, for the next couple of months. I'd rather not make any major predictions, however I am predicting that in 2024 Huawei will embrace Open RAN to some extent.

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.



🕒 2023 Predictions

- CCS Insight Predictions for 2023 and Beyond ([link](#))
- Analysys Mason's research predictions for 2023 ([link](#))

🕒 6G

- Free 6G Training: Next G Alliance's Report on 6G Applications and Use Cases ([link](#))
- Operator Watch Blog: UScellular 5G Progress and 6G Plans ([link](#))
- Disruptive Asia: 6G evolution starts with understanding why we need it ([link](#))

🕒 5G

- 5G Applications, Application Functions & Application Servers ([link](#))
- eBook by Infinera on 'Synchronization Distribution in 5G Transport Networks' ([link](#))
- RCR Wireless: Shanghai targets 77,000+ 5G base stations by the end of 2022 ([link](#))
- Financial Times: Telecoms operators face anxious wait for 5G to pay off ([link](#))
- Fujitsu: Consortium of Japan partners successfully promote domestic production and cost reduction for 5G core technology, the basis for next-generation communication standards ([link](#))
- European Commission: 5G on planes, Wi-Fi on the road – Commission decision opens up new opportunities for innovation ([link](#))

🕒 4G/LTE

- Tommy Ljunggren on LinkedIn: "82% of Voice traffic in Sweden is on VoLTE! What does it cost to provide for the last 18% on 2G and 3G?" ([link](#) with chart)

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- Commsupdate – Iceland: ECI postpones 2G shutdown to 2025 ([link](#))
- Motor1.com – USA: In-Car OnStar Service For 2015 And Older GM Vehicles Is About To End ([link](#))
- 2g-gsm on Twitter: *“The PCMCIA card format served the mobile industry well. From the early days of Circuit Switched Data as shown here, through HSCSD, GPRS, EDGE and even early (pre-USB dongle) 3G UMTS services. #2G #GSM #historyoftechnology”* ([Tweet](#) with picture)



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- Telecom Infra Project: Fyuz 2022 Post Event Blog ([link](#))
- Telecom TV: Sterlite exits Open RAN, sticks with optical ([link](#))
- GlobalData: Intel's New Chips with Integrated Accelerators Could Boost vRAN Performance Enough to Spur Disruption ([link](#))
- TMN: Rakuten Symphony and Intel say new DUs will be vRAN tipping point ([link](#))
- APITech - O-RAN Testing: Are You Dealing With The Speed Of Change? ([link](#))

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- New whitepaper by GSMA on 5G mmWave Deployment Best Practices ([link](#))

🕒 Private Networks

- Vodafone: 5G speeds up car manufacturing to help build the cars of tomorrow ([link](#))

🕒 IoT / M2M

- Would NR-Light (RedCap) succeed LTE Cat-1bis and Cat-4 for Internet of Things Devices? ([link](#))
- MWL: T-Mobile US releases IoT developer kit ([link](#))

🕒 Cloud & Edge

- TMN: Why the EU big five are launching Sylva ([link](#))

🕒 Security & Privacy

- European Union Agency for Cybersecurity (ENISA) – 5G SECURITY: Main projects implementing 5G Toolbox ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

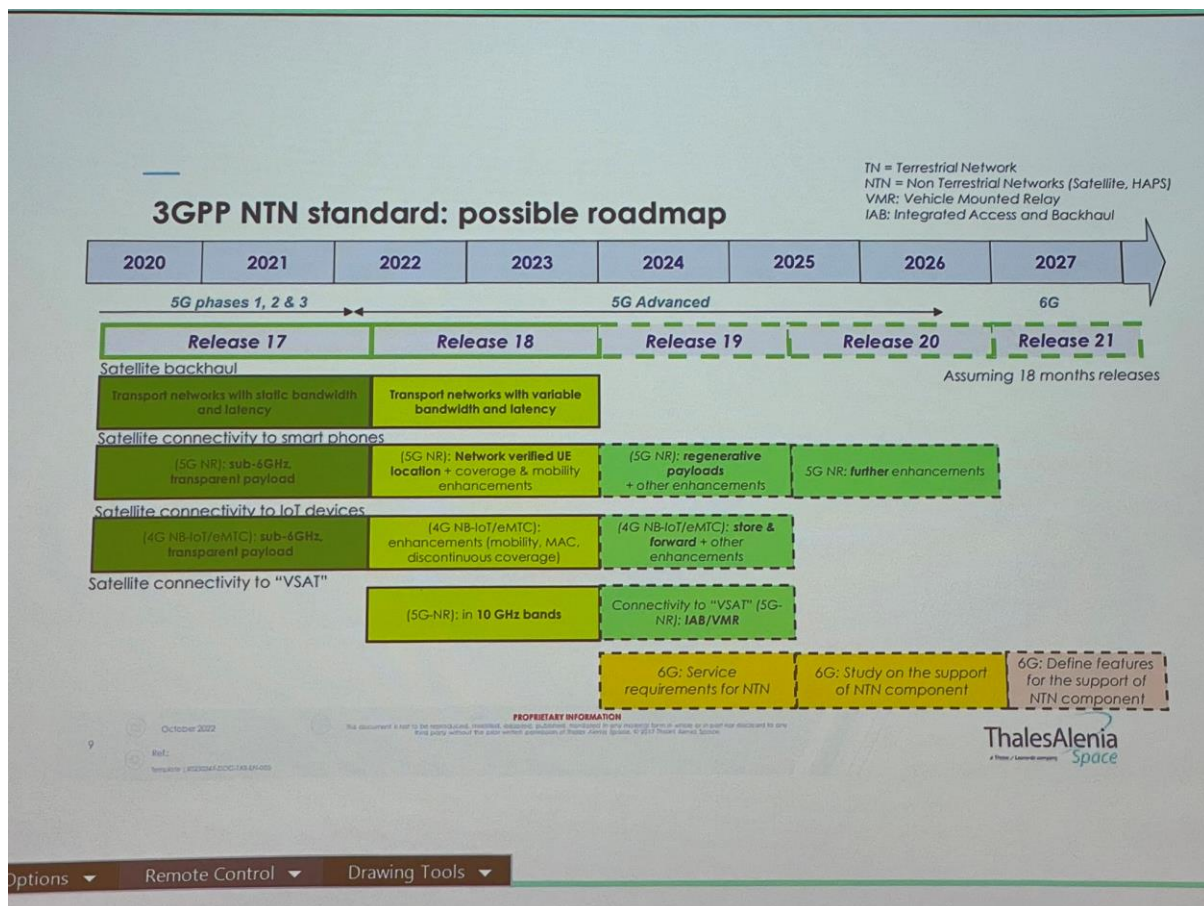
- The Drive: Mercedes Makes Better Performance a \$1,200 Subscription in Its EVs ([link](#))

🕒 Smartphones, Devices, Wearables & Gadgets

- Ookla: Details on the Fastest 5G Mobile Devices ([link](#))
- GSA: 5G Device Ecosystem November 2022 Summary report ([link](#))

🕒 Satellite Connectivity

- Dean Bublely's Twitter Thread on CEPT Workshop on Satellite Innovations and Regulatory Challenges ([link](#)) - #CEPTsatelliteWorkshop
- Scientific American: Satellite Constellations Could Harm the Environment, New Watchdog Report Says ([link](#))
- Tweet by Dean Bublely: "This is the **possible** roadmap for NTN & later versions of 5G + early 6G Includes "regenerative payloads"" ([link](#))



📍 Wi-Fi

- MWL: Virgin Media taps TIP for Dublin Wi-Fi trial ([link](#))

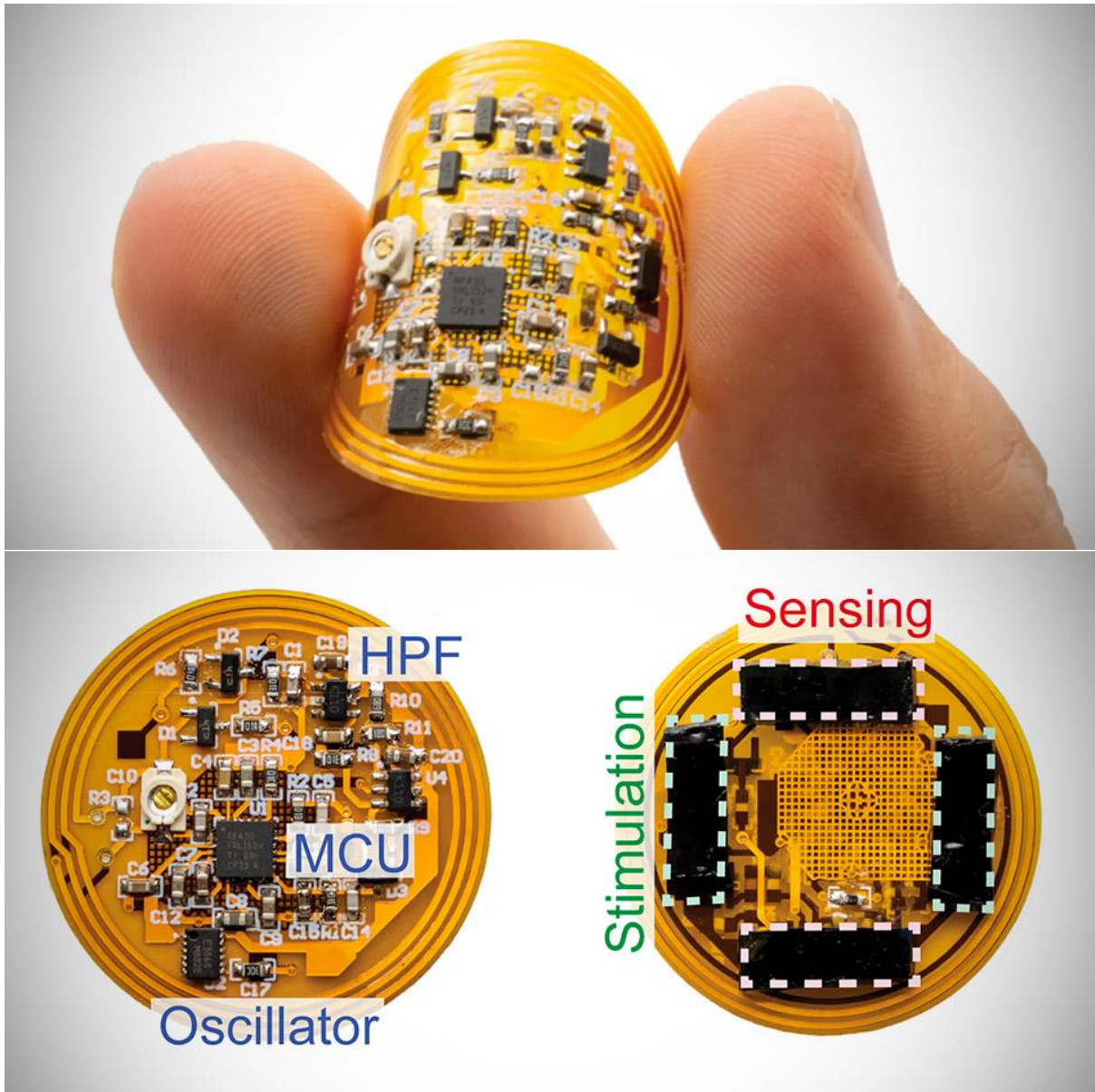
📍 Metaverse

- The 3G4G Blog: Preparing for Metaverse-Ready Networks ([link](#))

📍 Other News and Technology Stuff

- Cambridge Wireless (CW) - CWIC 2022: The Hyperconnected Human, presentations and video recordings ([link](#))
- ITU: Why terrestrial TV broadcasting is crucial in times of crisis ([link](#))
- The Mayor: Germany decides to end phone boxes after 142 years ([link](#))
- Babel PR: Generating coverage at Mobile World Congress ([link](#))
- Coding with connectivity: Using the new DISH network APIs ([link](#)) – Light Reading article ([link](#))
- The Register: Liquid and immersion is the new cool at Supercomputing '22 ([link](#))
- ArsTechnica: A history of ARM, part 1: Building the first chip ([link](#))
- ArsTechnica: A history of ARM, part 2: Everything starts to come together ([link](#))
- Tweet by Tefficient: “Finnish regulator @TraficomFinland did its first study on the energy consumption of telecom networks. 650 GWh used in 2021. Mobile represented 60%, fixed 20% and core parts of networks 20%. 1 kWh = 8.5 GB of data in mobile. 1 kWh = 20 GB of data in fixed” (Twitter [thread](#))
- Summary of International Timing and Synchronisation Forum (ITSF) ([link](#))

📌 **Picture of the week:** Stanford researchers have develop wireless smart bandage that Speeds Up Chronic Wound Healing ([link](#)). You can read a detailed article on this [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](#).