

Mobile & Wireless Roundup #10

By Zahid Ghadialy

Welcome to the 10th edition of this newsletter. This week I went to CW's [Founders Dinner](#). It was good to catch-up with friends, colleagues and make the acquaintance of some interesting new people. Early next month I am giving a [presentation](#) on 'The role of 5G and Other New Connectivity Options in Healthcare', it was beneficial to discuss ideas with others. Despite having been a home worker for a very long time, meeting people in-person in a relaxed environment certainly drives my motivation and ideas. Do you feel the same? This coming week I will be at [Connected Britain](#) conference.

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.



Register now!

25-27 October 2022 | Madrid

🕒 6G

- Free 6G Training: Metamaterials Could be the Key to Unlock THz Spectrum for 6G ([link](#))
- Twitter thread by Dean Bublely on 6G Global Summit (first [Tweet](#), last [Tweet](#))

🕒 5G

- Light Reading: The slow march to standalone 5G ([link](#))
- Good summary of different types of Edge (MEC) and the round trip time ([link](#))
- Verizon deploys more than 8,000 VRAN cell sites, rapidly marches towards goal of 20,000 ([link](#))
- Germany: Deutsche Telekom and RTL Deutschland use 5G network slicing to broadcast live TV for the first time ([link](#))
- What's the difference between BLER (Block Error Ratio) for Radio Link Management and BLER in Data throughput? ([link](#))

- Gabriel Brown, Light Reading: Make IMS simple ([link](#))
- Quick tutorial on IP Multimedia Subsystem (IMS) Support for 5G Service Based Architecture (SBA) ([link](#))
- Light Reading: With 145,000 shipments, AT&T quietly updates femtocell biz ([link](#)) – you can read more about the Nokia femtos on our old blog post [here](#).
- Light Reading: A concerning ARPU trend shows up in South Korea's 5G ([link](#))
- 'Network Innovation and Evolution' session from GSMA Mobile 360 Asia Pacific 2022 ([link](#))

🕒 4G/LTE

- 3GPP SON Series: SON Management in HetNets and Enhanced ICIC (eICIC) ([link](#))
- Operator Watch Blog: Tanzanians are Embracing LTE and Internet Services

🕒 2G/3G

- Telenet/BASE in Belgium to switch off the 3G signal as of September 2024. Spectrum will be re-farmed for 4G/5G. 2G will still be supported for a while, until at least 2027 ([link](#))

🕒 Open RAN

- ETSI releases first O-RAN specification [ETSI TS 103 859](#), namely 'O-RAN Fronthaul Control, User and Synchronization Plane Specification v7.02' ([link](#))
- Microwave Journal: Open RAN Radio Unit Architecture for mMIMO ([link](#))
- Light Reading: Open RAN is falling a long way short of its promise ([link](#))
- MWL: Docomo open RAN head reveals challenges, progress ([link](#))

🕒 Private Networks

- TeckNexus: Chunghwa Telecom, Taiwan, to deploy open RAN based private 5G network ([link](#))

🕒 IoT / M2M

- Presentations from CW Seminar: A review of LoRaWAN ([link](#))
- Orange and its IoT continuum partners will support tiko, a subsidiary of the group Engie, to design, produce and deploy a fleet of 800,000 connected devices in France over a period of 5 years. These devices will control electric radiators remotely, via the Orange LTE-M network, to optimize consumers' home heating consumption. ([link](#))
- GSA has identified 37 commercially available chipsets designed specifically to address machine-to-machine and IoT applications and which support any of LTE Cat-1, Cat-M1 and Cat-NB1 or -NB2 user equipment ([link](#))

🕒 Telco Cloud

- Open Sourcerers: What does Telco Cloud mean? ([link](#))
- Telecom TV: "The telco cloud is a nightmare," says Orange tech exec ([link](#))

🕒 Security & Privacy

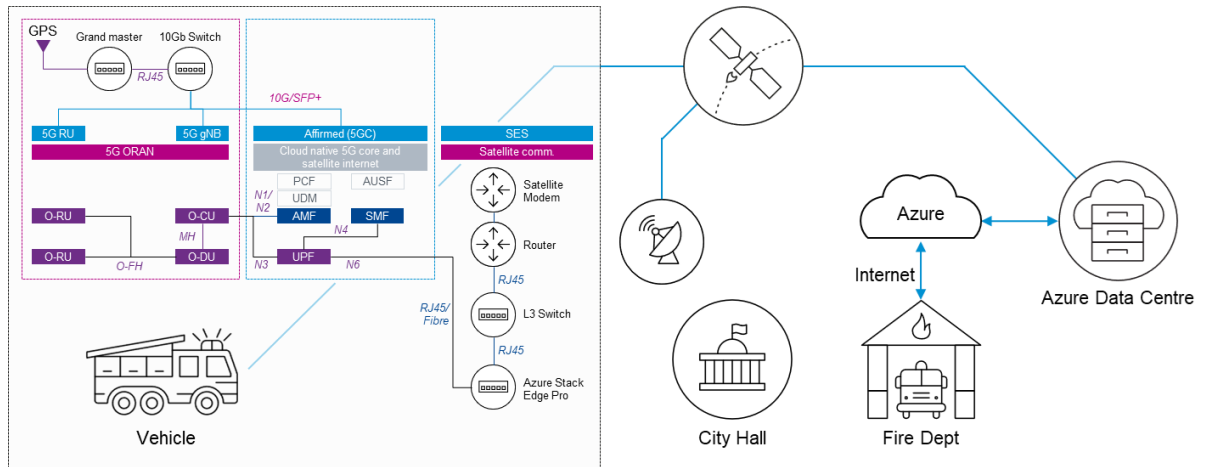
- ESF Members, NSA and CISA publish Open Radio Access Network Security Considerations ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- Transforma Insights: Fully Autonomous Vehicles: Are they close to reality? ([link](#))

☉ Satellite Connectivity

- SES: Taiwan Taps Satellite Backhauled Private 5G for Disaster Recovery ([link](#))



- Kusat dot Com YouTube channel has details on OneWeb Speed tests in Canada ([link](#))
- The Seattle Times: Elon Musk enters in-flight Wi-Fi market with small satellites ([link](#))

☉ Wi-Fi

- Wi-Fi: Driving innovation & opportunity in residential IoT ([Video](#))
- South Africa: TikTok, ThinkWiFi unite to pilot 50 free WiFi hotspots ([link](#))
- Today's Wireless Offering by Dave Wright ([Tweet](#))

GLOBAL SUMMIT

TODAY'S WIRELESS OFFERINGS

	SPEED	LATENCY	RANGE
LOW-EARTH ORBIT SATELLITE			
PUBLIC MACRO CELLULAR			
PRIVATE CELLULAR			
PRIVATE LONG-RANGE IOT			
SHORT-RANGE IOT			
FIXED WIRELESS ACCESS			
WI-FI			

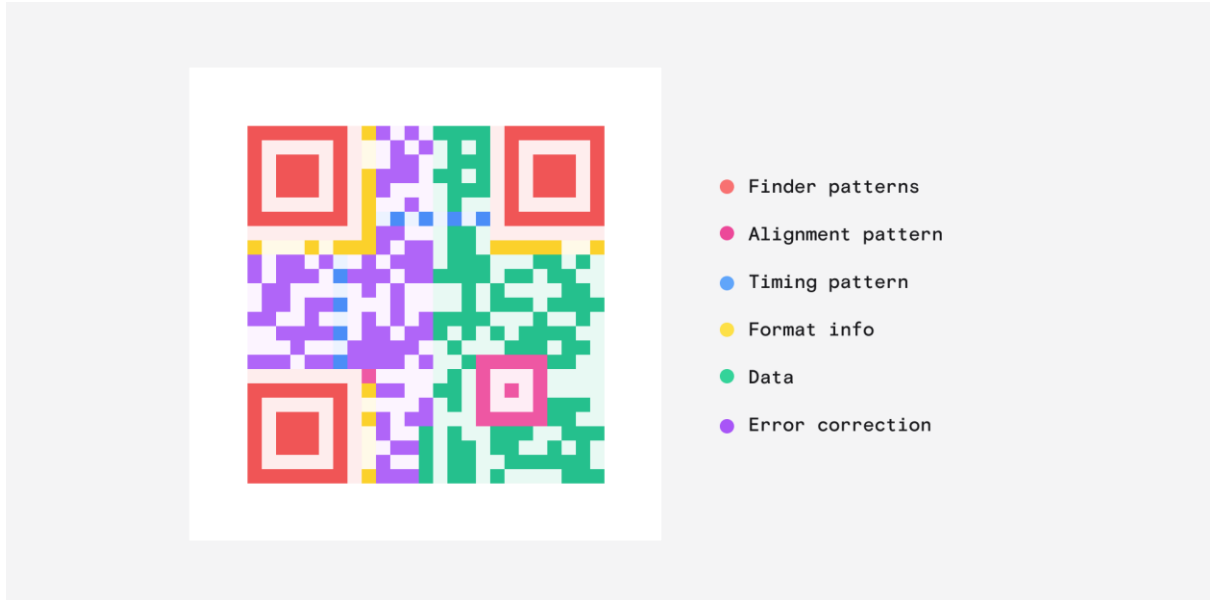
Dave Wright | HPE

☉ Other News and Technology Stuff

- Telecoms Infrastructure Blog: Construction of a Self-Supporting Tower (SST) ([link](#))
- The Guardian: how the Apple AirTag became a gift to stalkers ([link](#))
- Forbes: 5G Modem Development – Not As Easy As It Looks. Just Ask Apple ([link](#))

- In Compliance Magazine: The Rise of Time-Sensitive Networking (TSN) in Automobiles, Industrial Automation, and Aviation ([link](#))
- Forbes: IBM Research's Path To Serverless Quantum Computing ([link](#))

© **Picture of the week:** Ever wondered how QR code works? ([Twitter thread](#) with lots of details)



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!