

Mobile & Wireless Roundup No. 120 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 120th edition of this newsletter, and a very [Happy New Year](#) to you all! After a relaxing break, it's time to dive back into the grind. While I enjoyed quality time with family, friends, and neighbours, I also found space to prepare for the upcoming [trainings](#) I'll be delivering in January and February.

One of the blessings of multiculturalism, as I often say, is the diversity it brings—not just in people but in the opportunities it creates. I remember years ago struggling to find essentials like milk because every shop was closed during Christmas. Today, thanks to businesses run by people of different faiths and backgrounds, we have access to more options, even during traditional holidays. Similarly, hailing a taxi or booking a ride has become much easier, with availability no longer dictated by a single community's schedule.

This principle of diversity holds true for companies too. Teams with diverse perspectives and flexible approaches are better equipped to adapt to challenges. Even something as simple as staggered vacation preferences—parents traveling during school holidays while others take advantage of off-peak times—illustrates how diversity can optimize opportunities and resources.

It's a reminder of why diversity is essential in mobile and wireless technology as well. While I'm often surprised to see companies still defaulting to guest Wi-Fi, the choice highlights the value of having diverse options—whether it's Wi-Fi or mobile data networks. These solutions must cater to diverse user needs, including those in markets with unique challenges or restrictions.

As we aim to expand our reach into diverse markets, it's clear that a diversity of culture, thought, and talent is not just beneficial—it's essential for innovation and growth. What's your take?

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 other news that caught my attention since the last newsletter.


CW CAMBRIDGE WIRELESS #CWTechTrain

CW ACADEMY: TELECOMS TECHNOLOGY INTRODUCTION

Led by Zahid Ghadialy

21 Jan 2025
9:00 - 17:30
The Bradfield Centre, Cambridge Science Park

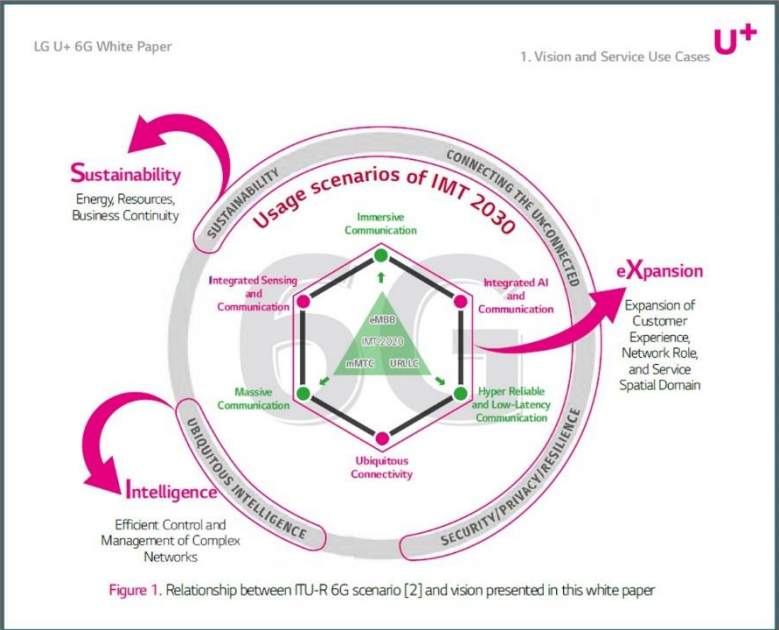
£400 + VAT for CW Members - £500 + VAT for Non-Members



© 6G

- Free 6G Training: Top 10 Posts for 2024 ([link](#))
- Toon Norp on LinkedIn: "The Smart Networks and Services Joint Undertaking (SNS JU) published its work programme for 2025. Another €128 million funding is announced for #6G research and innovation in 2025..." ([link](#))
- Thyaga Nandagopal on LinkedIn: The Killer App for 6G is here – finally ([link](#))
- Free 6G Training: LG Uplus' Vision for the 6G Era ([link](#))

LG U+ 6G White Paper 1. Vision and Service Use Cases **U+**



Sustainability
Energy, Resources,
Business Continuity

Usage scenarios of IMT 2030

Intelligence
Efficient Control and
Management of Complex
Networks

Expansion
Expansion of
Customer
Experience,
Network Role,
and Service
Spatial Domain

Figure 1. Relationship between ITU-R 6G scenario [2] and vision presented in this white paper

#Free6Gtraining **6G**

🕒 5G

- Ookla: How do 5G Networks Cope Under Stress? ([link](#))
- GSMA - Accelerating 5G and 5G-Advanced in Thailand: A roadmap for success ([white paper](#))
- RCR Wireless: China's 5G subscriptions surpass 1 billion ([link](#))

🕒 4G/LTE

- RCR Wireless: BSNL nears milestone of 100,000 made-in-India 4G towers ([link](#))
- Mohamed Abbas on LinkedIn: What is the difference between VoWiFi and VoLTE? ([link](#))

🕒 Spectrum

- Ericsson: mmWave solutions and opportunities ([link](#))
- ACMA, Australia: Future use of the upper 6 GHz band ([link](#)) – Outcomes paper [here](#).

🕒 Private Networks

- Private Networks Technology Blog: Top 5 Posts for 2024 ([link](#))

🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- Telecoms Infrastructure Blog: Top Blog posts for 2024 ([link](#))
- Paul Rhodes on LinkedIn - Saturday School: International Follower Edition ([link](#))



- Telecom Review: Zain KSA Advances 5G Connectivity with Transparent Glass Antenna Trials ([link](#))
- Jinsung Choi on LinkedIn - Revolutionizing Telecom: Key Takeaways from SoftBank's AI-RAN Whitepaper ([link](#))
- Peter Clarke on LinkedIn: "*Distinguished Standalone 5G success from Virgin Media O2, BT Group's EE and Vodafone features in this first part of the 2024 UK Mobile Networks Roundup series...*" ([link](#))

🕒 IoT / M2M / Smart Homes

- Afzal Mangal on LinkedIn: "I often see recurring comments on my LinkedIn posts, and I thought it would be valuable (and perhaps fun) to address a few of them..." ([link](#))

🕒 Connected And Autonomous Vehicles (CAVs)

- ITS: FCC adopts C-V2X spectrum rules ([link](#)) – FCC page [here](#) .
- U.S. Department of Transportation (DOT): Saving Lives with Connectivity: A Plan to Accelerate V2X Deployment ([report](#))
- Unilad: Apple spent \$1,000,000,000 a year for ten years creating a product that will never release to the public ([link](#))

🕒 AI, ML & Automation

- Light Reading: AI enters 2025 as the biggest charlatan of tech ([link](#))
- Jinsung Choi on LinkedIn: Advancing AI in RAN with Agentic AI ([link](#))
- Jinsung Choi on LinkedIn: An Agentic Approach for Intent-Driven Telecom RAN Operations ([link](#))
- Jinsung Choi on LinkedIn - DPUs: The Unsung Heroes of AI-RAN ([link](#))
- Jinsung Choi on LinkedIn: AI Value in RAN Whitepaper ([link](#))
- Jinsung Choi on LinkedIn: AI Revolution in Air-Interface Algorithms ([link](#))

🕒 Satellites, HAPS, Drones, UAVs & Space

- ESA: World-first direct 5G connection to low Earth orbit satellite opens new era for mobile coverage ([link](#))
- Steve Song on LinkedIn: "Starlink is a very shallow pyramid scheme. Why? Because it was never designed with resellers in mind..." ([link](#))
- Dan Rayburn on LinkedIn: "Netflix has published its first global analysis of on-demand video streaming from customers who use Starlink to stream Netflix. The study, published in December 2024, uses data from over one million households across 85 countries over two years..." ([link](#))
- Light Reading: Eutelsat discloses 48-hour outage on its OneWeb LEO constellation ([link](#))
- Politico: French telecoms giant that fumed over Starlink used ... Musk's satellites for storm-ravaged island ([link](#))

🕒 Sustainability

- Fierce Network: Energy is at the top of the data center agenda heading into 2025 ([link](#))

🕒 Other News and Technology Stuff

- The 3G4G Blog: Top Posts and Videos of 2024 ([link](#))
- Operator Watch Blog: Top 5 Posts for 2024 ([link](#))
- Connectivity Technology Blog: Top 5 Posts for 2024 ([link](#))
- ETSI's Software and Standards for Smart Networks and Services (SNS4SNS) Conference & Hackfests ([link](#))
- MSN: Telecoms groups forecast to reap \$10bn windfall from recycled copper ([link](#))

🕒 **Picture of the week:** EasyStreet Systems is [revolutionizing small cell deployments](#) with lightweight Fiber-Reinforced Polymer (FRP) poles that prioritize efficiency, flexibility, and

sustainability. Weighing 70-85% less than traditional steel or concrete, these durable poles reduce equipment needs, accelerate installations, and enable deployment in tight or hard-to-reach locations. Resistant to weathering and corrosion, FRP poles ensure long-term reliability while minimizing maintenance costs, making them an ideal choice for smart city and IoT projects.



Thanks to Julian Welch for bringing it to our [attention](#).

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](#).