



Mobile & Wireless Roundup #54 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 54th edition of this newsletter. Many years ago I used to be a programme manager for satellite applications & services. Some of the advancements we see today in satellite launches and connectivity were not even on the horizon. Most of our discussions used to be around why we can't do something or the other.

Fast forward to the last few years when I was project managing my house construction work. Every time I needed things to be done differently from the way my builders were accustomed to, they would confidently say that this is not the best approach or why it would be a problem or why it can't be done.

In both these scenarios it was when one tries to take people out of their comfort zone, they try to make excuses on why we should remain in 'their' comfort zone. Over the years I am seeing similar issues when it comes to our industry. We may have very experienced professionals who are used to doing things in a particular way. As soon as they are out of their comfort zone, they will tell you why something can't be done or shouldn't be done or just won't work. I am not saying that they are always wrong but if we don't try other things we would never have any progress.

There are many individuals who genuinely believe they think outside the box but who defined this box? Our boxes are all different based on our experience. The old saying used to be "One person's trash is another person's treasure" (okay, I gender neutralised it). Over the years there has been many modifications to this quote. For example, Tim Burton said, "One person's craziness is another person's reality". I have another one, "One person's excuses not to do something is another person's opportunity for innovation".

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 advisor, analyst, consultant and a trainer.

This newsletter is a summary of my posts and others news that caught my attention since the last newsletter.



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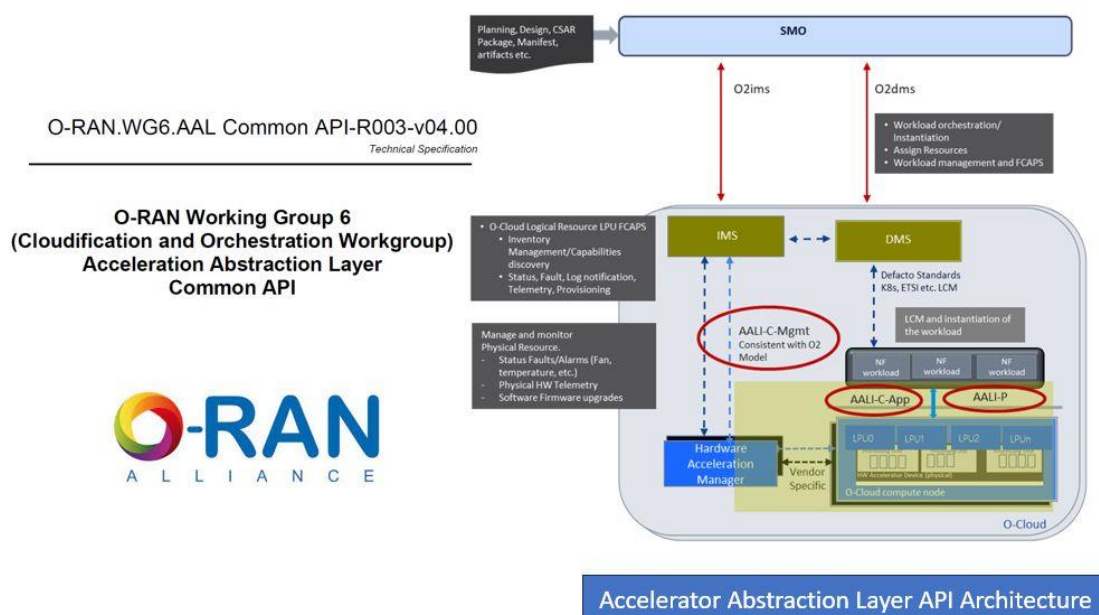
- Free 6G Training: SK Telecom Releases 6G White Paper Looking at Lessons Learned in 5G and Way Forward with 6G ([link](#))
- '6G The Next Hyper Connected Experience for All' by Dan Warren, Samsung Research UK ([link](#))
- RCR Wireless: 5G deployments, 6G R&D and more: A Q&A with Andreas Roessler, Rohde & Schwarz ([link](#))
- MathWorks: 6G Design with MATLAB ([link](#))

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- Radio Base Station Equipment for 5G SA Systems ([link](#))
- Pathways towards Network-as-a-Service: the CAMARA project ([link](#))
- Light Reading: Gogo opens up about its 5G troubles ([link](#))

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

- Jinsung (Alex) Choi on LinkedIn: "Standardizing Accelerator Abstraction Layer and its Open APIs in O-RAN..." ([link](#))



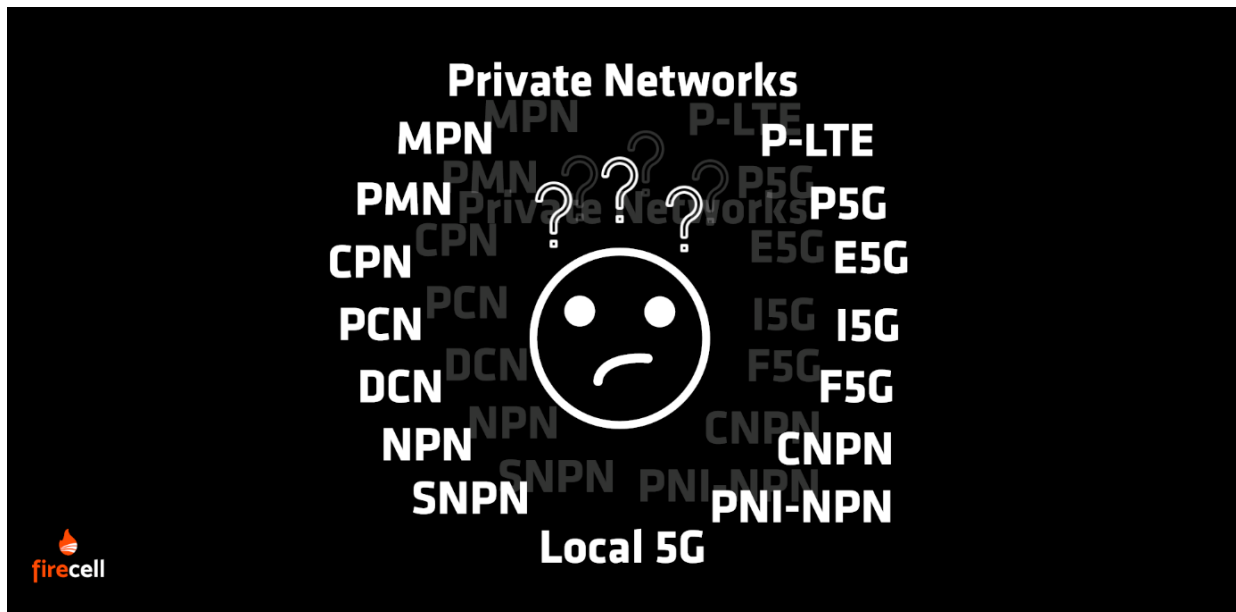
- Core Analysis: What RICs and Apps developers need to succeed ([link](#))
- Jinsung (Alex) Choi on LinkedIn - Demystifying O-RAN RIC xApps/rApps Portability: The Key Role of Compliance with Open Standards and Interfaces ([link](#))
- ET Telecom: Airtel 'looking forward' to strengthening partnership with Open RAN vendors ([link](#))
- MWL: Brazil, Japan sign open RAN cooperation deal ([link](#))
- Jinsung (Alex) Choi on LinkedIn: Attention Is All You Need in O-RAN ([link](#))
- NEC radio unit receives first O-RAN compliance certification from JAPAN OTIC ([link](#))
- Light Reading: India's C-DOT to develop disaggregated 5G open RAN with startups ([link](#))

🕒 Spectrum

- UK SPF Cluster 4: WRC-23 Agenda Item 10 Workshop Roundup ([link](#))
- Anritsu: Channel Sounding in Sub-Terahertz Bands for Application in 6G Communications ([link](#))

🕒 Private Networks

- Private Networks Technology Blog: Bharti Airtel Presentation on 'Private 5G and India Perspective' ([link](#))
- Pablo Tomasi on LinkedIn: "2 recent developments are representative of the #private5g and #oran markets..." ([link](#))
- Tommy Ljunggren on LinkedIn: "My estimate is that 70% of private networks will be "stand alone". What do you think?..." ([link](#))
- Jinsung (Alex) Choi on LinkedIn: The Power and Potential of O-RAN Private 5G Networks ([link](#))
- SDXcentral: Private 5G network opportunity drives Dish-Echostar merger ([link](#))
- What are the different names to represent Private Networks? ([link](#))



🕒 IoT / M2M / Smart Homes

- Ericsson and MediaTek showcase RedCap interoperability for 5G Standalone ([link](#))
- Counterpoint: Big Role for 5G RedCap in 5G Evolution, Massive IoT Adoption ([link](#))

Virtualization, Cloud & Edge

- Light Reading: BT eyes 100% shift to public cloud, not 'pretend mist' of private ([link](#))

Security & Privacy

- The Register: Want to pwn a satellite? Turns out it's surprisingly easy ([link](#))

Smartphones, Devices, Wearables & Gadgets

- Light Reading: India's surprise import duty could aid Jio ([link](#))

AI, ML & Automation

- Jinsung (Alex) Choi on LinkedIn: Secure AI - Federated Learning in O-RAN RIC ([link](#))

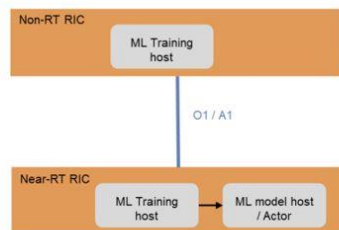
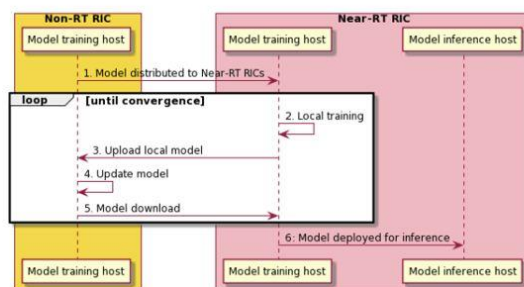


Figure 3-5: Federated learning model training and actor locations



Procedure of federated learning among Non-RT RIC and Near-RT RICs

O-RAN.WG2.AI/ML-v01.03

Technical Report

O-RAN Working Group 2

AI/ML workflow description and requirements



Satellites, HAPS, Drones, UAVs & Space

- Giovanni Geraci on LinkedIn: "📶 It's difficult to provide reliable 3D cellular connectivity everywhere in the sky, but the concept of UAV corridors could be a game changer 🚀..." ([link](#))
- Michael J. Miraflor (@michaelmiraflor) shares a chat on Twitter how Apple's Emergency SOS saved a family's lives in Hawaii (Maui) wildfires ([link](#))
- The Messenger: Airline Wi-Fi Is Having a Rough Summer ([link](#))
- Tim Farrar on Twitter: "The real Q is what "global service w/ 156 sats" actually looks like? The min elevation angles will be far too low for cheap & efficient flat panel antennas, so Telesat will have to rely on parabolics. Eutelsat & OneWeb have already learned that flat panels are essential for LEO..." ([Twitter](#) thread with picture)

Wi-Fi

- Wi-Fi Alliance on LinkedIn: "A new study – Sustainability Benefits of #6GHz Spectrum Policy – from WIK-Consult and prepared for Wi-Fi Alliance – demonstrates that with sufficient access

to spectrum, #WiFi outperforms cellular networks in delivering broadband connectivity with significant reductions in energy consumption and environmental footprint..." ([link](#))

🕒 Sustainability

- Developing Telecoms - E-waste: How big is the problem? ([link](#))
- Telecom TV: Need a greener RAN? Don't ignore hardware innovation – HPE ([link](#))

🕒 Other News and Technology Stuff

- BBC: What are semiconductors and how are they used? ([link](#))
- The Guardian - Experience: scammers used AI to fake my daughter's kidnap ([link](#))
- GPU Utils: Nvidia H100 GPUs: Supply and Demand ([link](#))
- EE Journal: What Is Time, What Time Is It, and Why Do We Care? ([link](#)) – Intel whitepaper referred to in the article is available [here](#).
- Tech Brew: The semiconductor industry is facing a worker shortage in USA ([link](#))
- Chetan Arvind Patil on LinkedIn: "*The Semiconductor AI SW HW Problem...*" ([link](#))
- Jinsung (Alex) Choi on LinkedIn: "*A Dance of LLMs and Silicon...*" ([link](#))

🕒 **Picture of the week:** A multi-sector multibeam antenna used in events courtesy of Frank Louwers on [Twitter](#). Look at the number of RF cables being fed.



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](#).