



Mobile & Wireless Roundup No. 129 (see original on [LinkedIn!](#))

By Zahid Ghadialy

Welcome to the 129th edition of this newsletter. Technology has made life easier in countless ways. Tasks that once required dedicated apps can now be done online, often for free. Need to translate a document, remove a password from a PDF, or convert a file to Word or PowerPoint? There's a website for that.

However, one thing many people overlook is the terms and conditions of these online services. Some platforms may sell user data to the highest bidder, while others might use uploaded content to train AI models. Despite growing concerns over privacy, people continue to place blind trust in websites and services without a second thought.

This isn't just limited to online interactions. Would you hand over your bag to a stranger at a café just because they seem trustworthy? Yet, when it comes to digital data, people often take similar risks without hesitation.

The issue extends beyond websites to real-world scenarios, like phone repair shops. There have been numerous cases where technicians have accessed personal photos, sometimes even selling explicit images or using them for blackmail. While this problem is particularly [notorious](#) in [India](#), it happens worldwide. Apple, for example, once paid a multi-million-dollar [settlement](#) after technicians shared private photos from a customer's iPhone.

Surprisingly, in Yemen—a country often only mentioned in the news for negative reasons—this issue has led to a positive societal shift. Many Yemeni women are becoming [mobile phone technicians](#) to combat sextortion, ensuring that their personal data remains in safe hands.

As technology continues to evolve, so does the need for vigilance. Whether online or offline, being cautious about who has access to your data is more important than ever.

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.


© 6G

- Free 6G Training - 6GANA: Pioneering AI-Native Networks for the 6G Era ([link](#))


**U+**

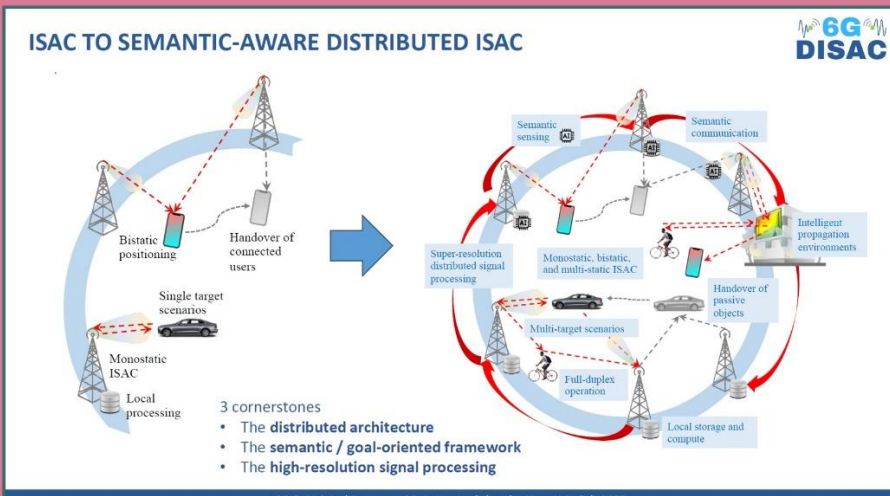
**Table 4.** 6 Steps to Network AI by 6GANA

Step		Description
S0	AI4NET	Applying AI to improve network performance and automate operations
S1	Connection for AI	Providing connectivity for AI services with big data and real-time data
S2	S1 + Computing for AI	Providing computing resources for AI service
S3	S2 + Data for AI	Providing data services (data collection, pre-processing)
S4	S3 + Algorithm for AI	Providing AI model training algorithms
S5	AI as a Service (AlaaS)	Providing an orchestrator that automatically manages all of the above resources.

#Free6Gtraining 

- Howard Benn on LinkedIn: "Having contributed to 2, 3, 4 and 5G it is always interesting to look back to the workshops on requirements then the final result. Apex are using some clever AI to look at the recent 6G workshop - fascinating read..." ([link](#))
- Light Reading: 6G apathy outside China is rife ([link](#))
- Wireless Future Blog - Book Review: The 6G Manifesto ([link](#))
- Qualcomm blog - Getting ready for the next era of wireless connectivity: Global 6G technology standardization to begin soon ([link](#))
- Free 6G Training - 6G-DISAC: Advancing Distributed Intelligent Sensing and Communications for 6G ([link](#))


**ISAC TO SEMANTIC-AWARE DISTRIBUTED ISAC** 



**3 cornerstones**

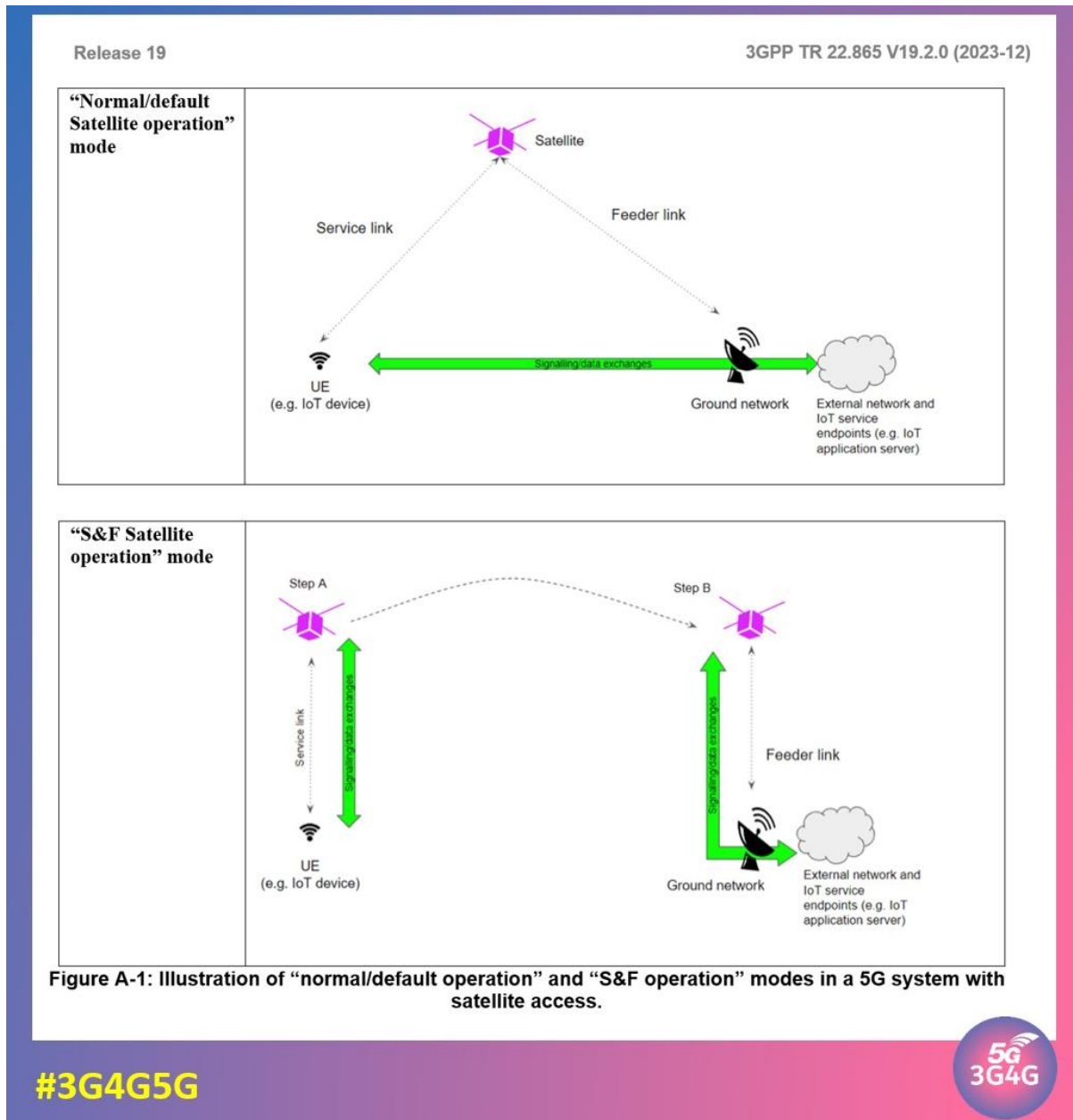
- The distributed architecture
- The semantic / goal-oriented framework
- The high-resolution signal processing

6G-DISAC Architecture - 6G series workshop by Hexa-X-II, Feb.2025 3

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5G

- TelecomTV: Why India is a remarkable 5G success story ([link](#))
- The 3G4G Blog - 5G-Advanced Store and Forward (S&F): Enabling Resilient IoT Communications via Satellite ([link](#))



2G/3G

- Rudolf van der Berg on LinkedIn: "*#2Gshutdown will happen in 2025 and 2027 in Norway. #3G was shutdown already. This means that #ecall will stop functioning in Norway. There is also no clear indication of how good the support for the Norwegian versions of #VoLTE is and how the support for inbound roaming is...*" ([link](#))

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

- Ookla: Wireless Execs Say Using Open RAN Technology is a Winning Strategy ([link](#))
- Light Reading: In open RAN gloom, Orange would 'love to' pair Ericsson and Nokia ([link](#))

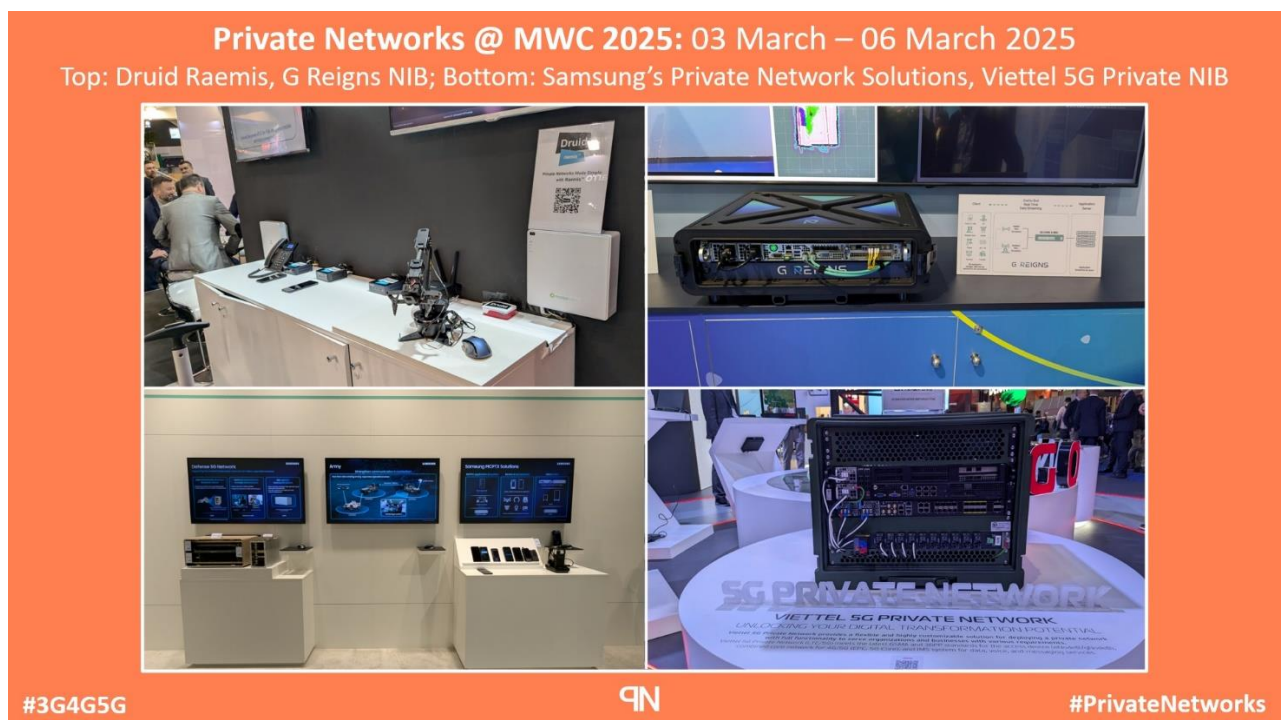
- TelcoForge: Signs of O-RAN Momentum Building from the Ground Up ([link](#))
- John Baker on LinkedIn: Open RAN Ecosystem chart refresh, including MWC updates ([link](#))

### 🕒 Spectrum

- NTT, DOCOMO and NEC Demonstrate World's Fastest 140 Gbps Bidirectional Wireless Transmission in 80 GHz Band ([link](#))
- ACMA Australia: Expiring spectrum licences - Views on alternative licensing conditions ([link](#))
- Ofcom UK Consultation: Enabling satellite direct to device services in Mobile spectrum bands ([link](#))

### 🕒 Private Networks

- Private Networks Technology Blog: Private Networks and Network-In-a-Box (NIB) Solutions from MWC 2025 ([link](#))



- Dean Bubley on X: A quick write up about yesterday's Port / Airport private network event in Rotterdam ([X post](#), [LI post](#))

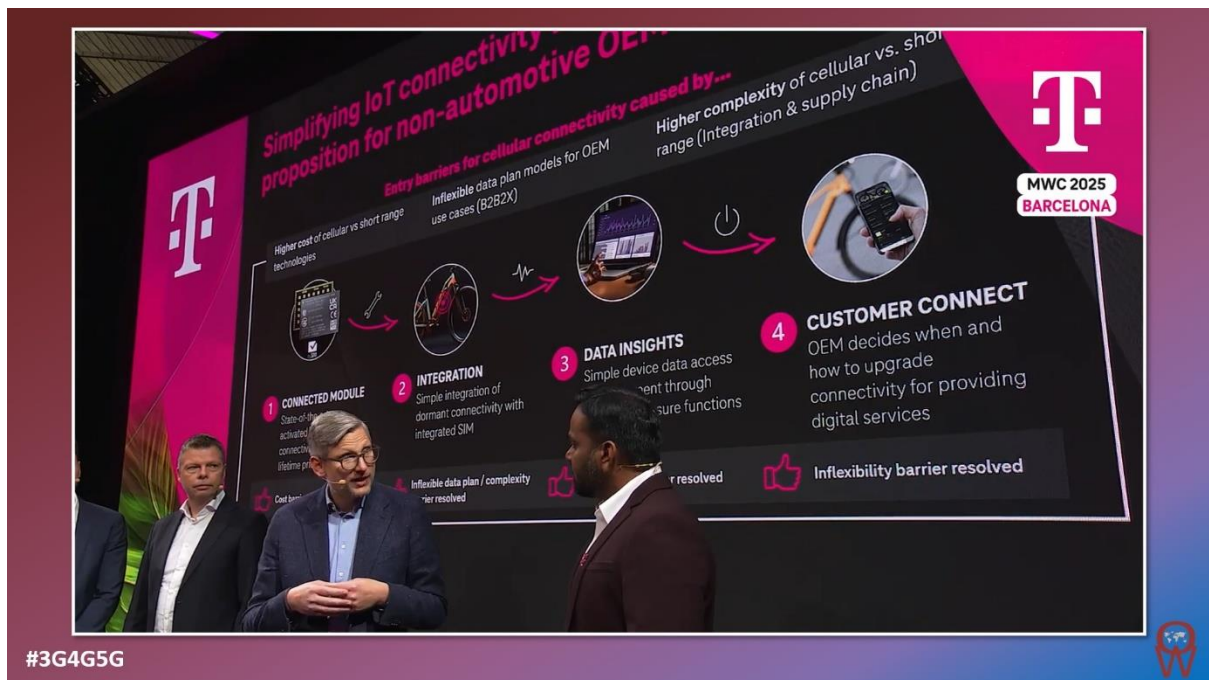
### 🕒 Telecoms Infrastructure, Small Cells, Antennas & others

- RCR Wireless: China Mobile to add 340,000 new 5G base stations this year ([link](#))
- Telecoms Infrastructure Blog: Small Cells Powering Infrastructure Innovation Across the Middle East ([link](#))
- Paul Rhodes on LinkedIn - Monday Musings: MOS – More Old Skool! ([link](#))
- Peter Clarke on LinkedIn: "Standalone-on-Sea: Virgin Media O2 delivers 5G Standalone and marked 4G upgrade to the seaside town of Sheringham, North Norfolk, laying the groundwork for the busy summer season and tourist surge..." ([link](#))
- Paul Rhodes on LinkedIn - Thursday School: On the roof with the bees ([link](#))
- Kim Kylesbech Larsen on LinkedIn: Submarine Cable Sensing for Strategic Infrastructure Defense and Arctic Deployment ([link](#))



## 📍 IoT / M2M / Smart Homes

- Operator Watch Blog: Deutsche Telekom wants to simplify IoT Connectivity via MECC (Make Everything Cellular Connected) ([link](#))



## 📍 Security & Privacy

- Silke Holtmanns on LinkedIn: "The french CERT France / French Cyber Security Agency ANSSI just published their threat report for 2024 in english. Some telco tidbits (see page 42 ff)..." ([link](#))
- Tim Biddle on LinkedIn: "For a second time, here is my article on GT Spoofing..." ([link](#))
- UK NCSC: Cyber chiefs unveil new roadmap for post-quantum cryptography migration ([link](#))
- Infosecurity Magazine: China-Linked Weaver Ant Hackers Exposed After Four-Year Telco Infiltration ([link](#))
- Bleeping Computer: Dozens of solar inverter flaws could be exploited to attack power grids ([link](#))
- Denis Laskov on LinkedIn: "Privacy of wearables in healthcare: Forensic analysis of the Oura Ring, its mobile application, and cloud connectivity..." ([link](#))
- MWC25 Barcelona Security Summit Catch up Videos ([link](#))
- Denis Laskov on LinkedIn: "How quantum computers will affect cars: One of the most popular questions in car cryptography, whether you're building it or attacking it..." ([link](#))

## 📍 Smartphones, Devices, Wearables & Gadgets

- CCS Insight: Survey Shows Surge in People Buying Mobile Phones Direct from Manufacturers ([link](#))

## 📍 AI, ML & Automation

- Jinsung Choi on LinkedIn - Unlocking the Future of Telecom: The Power of Hybrid AI in AI-RAN ([link](#))

- Jinsung Choi on LinkedIn: Predictive AI vs. Generative AI in Telecom Network Operations ([link](#))
- RCR Wireless: What is chiplet technology and what is its impact on AI processing? ([link](#))
- Jinsung Choi on LinkedIn - When AI Meets RAN: The Birth of Autonomous, Conversational OSS ([link](#))
- Jinsung Choi on LinkedIn: The AI Startup Opportunity in Telecom AI-RAN ([link](#))

## Eight Specific AI Agent Opportunities



### Energy Optimization

Reducing power consumption while maintaining QoS



### QoS Optimization

Tailoring network parameters to specific application needs



### Interference Management

Maximizing SINR through intelligent coordination



### Coverage Optimization

Eliminating dead zones through intelligent configuration



### Load Balancing

Distributing users optimally across network resources



### Spectrum Efficiency

Maximizing bits/Hz/second through dynamic allocation



### Predictive Maintenance

Forecasting equipment failures before they happen



### Self-Healing Networks

Automating recovery from service disruptions

### 🕒 Satellites, HAPS, Drones, UAVs & Space

- Runaway Girl Network: Air Canada explores possible LEO augment for 2Ku ([link](#))
- Not just in conflict zones, now airlines report GPS spoofing near Arimistar and Jammu too – Times of India ([link](#))
- Reuters: MTN, Lynk make Africa's first satellite voice call using smartphone ([link](#))

### 🕒 Sustainability

- Donal O'Sullivan on LinkedIn: "I came across this interesting chart relating to telecom emissions. The three that seem to have the largest emission reduction potential are..." ([link](#))
- Jinsung Choi on LinkedIn - Green AI in Action: AI-Driven Transmission Power Optimization for Energy-Efficient AI-RAN ([link](#))

### 🕒 Other News and Technology Stuff

- A nice slide from Huawei highlighting how B2B Demands of Telecom customers are changing from the Global 5G Alliances Summit in MWC Barcelona ([link](#))
- Keesjan (Case) Engelen on LinkedIn: Too small to believe... ([link](#))
- TMN: Connected Futures shows potential but leaves growth question unanswered ([link](#))

- Digital Catapult: When Will Quantum Computing Have its ChatGPT Moment? - MWC Barcelona 2025 ([video](#))

📷 **Picture of the week:** O2 Telefónica in Germany has shared some pictures of their new masts in a press release [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](#).