

## Everything 5G Edition

June 2017

TMN Quarterly, Issue 18, is going to be dedicated to all things 5G. No stop, don't go away... let us explain.

We're going to look at the actual state of things in 5G, in a no nonsense and clear way:

- What will 5G operators look like?
- A what's what in 5G visual
- A who's who in 5G visual

Fuller editorial information below...if you have something to say or tell your story you can submit your editorial queries to [TMN Editorial](#) and for all advertising and sponsorship queries please contact [Shahid Ramzan](#)

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### EDITORIAL BREAKDOWN

#### **Anatomy of a 5G operator**

TMN reveals the anatomy of the future 5G MNO: what operating structure and job titles will the 5G operator have: what will the revenue mix and business model be?

#### **Regions (instead of country)**

5G will be a regional as well as a global game. Do you know how and why?

#### **VISUAL- Timelines**

Trials, Service commitments, standards in this handy timeline

#### **Fixed Interest**

Looking at the early go-to-market of fixed wireless access "5G" services in the USA, Korea and elsewhere.

#### **5G IoT the long game?**

5G and IoT get mentioned in the same breath - but with operators seeing NB-IoT as a long term investment - what are the IoT use cases that will only be enabled by 5G networks?

#### **Who's Who?**

A who's who of the 5G research bodies, alliances and standards organisations.

#### **Patents and IPR**

What's the story with 5G IPR licensing? Is there going to be a patent pool? Who cares (and why?)

## **VISUAL: Split Screen 5G/ Not 5G:**

This is 5G, this is not 5G. Delivering the dogma, TMN puts its neck on the line. So think of a technology, a network feature, or use case... and ask, Is it 5G, or Not 5G?

## **Technology Breakdown**

Enhanced glossary - listing out your MU MIMOs from your Massive MIMOs, your beam tracking from your beam forming, your URLLC from your mMTC. Here's where 5G acronyms come to life!

## **TESTED 5G**

Inside the 5G network - get it tested. From early channel modelling and RF characterisation to active test of services operating over new network architectures - testing and monitoring of 5G networks is going to be key.

## **A question of protocol**

Will we see next generation of networking protocols enable 5G networks? Some think that 5G gives an opportunity to move beyond TCP/IP as the underlying protocol for communications networking.

## **Architecture**

Multi access edge, distributed core, CUPS, unified control plane - do you understand what the 5G network architecture will be - and why it matters?

## **5G New Radio**

- What is in it? Frame structures, Waveform, frequency support
- Who is making it - vendors, components suppliers, new players?
- Who is using it - operators in the vanguard?