

5G Huddle

The Path to 2020 and beyond

London, 26 April 2016

Bernard Barani
Deputy Head of Unit "Network Technologies"
European Commission – DG CONNECT

- **DSM: Industrial dimension package, 19 April 2016**
- **5 Key technologies earmarked in the package:
Clouds, IoT, 5G, Cybersec, Data**
- **5G: an Enabler of the Digitisation of the economy
at large;**
- **Support: 5G Public Private Partnership**
 - www.5G-PPP.eu
 - 700 M€ under Horizon 2020, 3 Phases until 2020

EU Focus Interest



1. Enhanced Mobile Broadband

Gigabytes in a second

Smart Home/Building

Voice

Smart City

3D video, UHD screens

Work and play in the cloud

Augmented reality

Industry automation

Mission critical application,
e.g. e-health

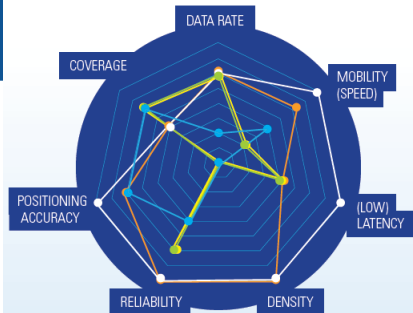
Self Driving Car

Future IMT

2. Massive-Machine Type Communication

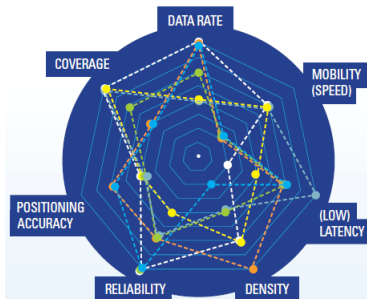
3. Ultra-reliable and Low Latency Communication

FACTORIES

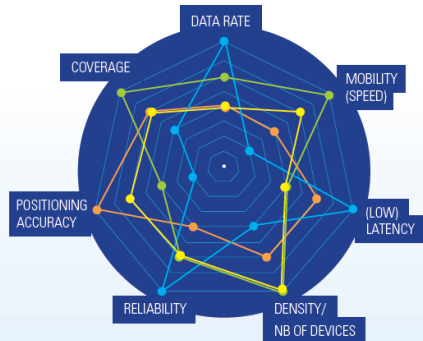


Vertical Requirements

MEDIA & ENTERTAINMENT

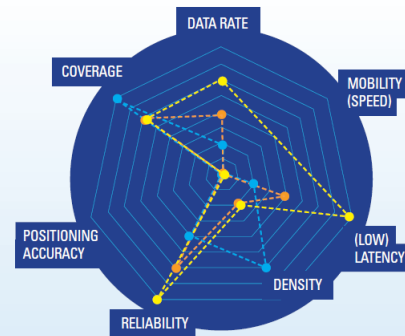


EHEALTH

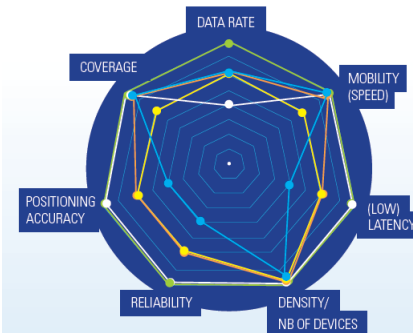


Source: White Paper, "5G Empowering the Vertical Industries, February 2016.

ENERGY



AUTOMOTIVE



5G Action Plan



**5G "Master"
Calendar for
the EU**

Spectrum

**Strategy to
involve Vertical
Industries**

**Key
functions/
Standards**

**Infrastructure/
Fibre**

Regulations

Work in Progress

A large, stylized red 'X' mark is superimposed over the central area of the diagram, indicating that the work is in progress.

