

CELLULAR STANDARDS ARE THE FOUNDATION OF THE DIGITAL INNOVATION ECOSYSTEM

Cellular standards provide the foundation for the digital innovation ecosystem. They are cutting edge telecommunication technologies like those that comprise 5G, and they...

- Are implemented in cellular networks and devices
- Provide the connectivity that services like applications and mobile retail rely upon
- Have characteristics designed to enable new device functionality



THE FOUNDATIONS OF THE DIGITAL ECOSYSTEM

CONTINUOUS INVESTMENT IN R&D



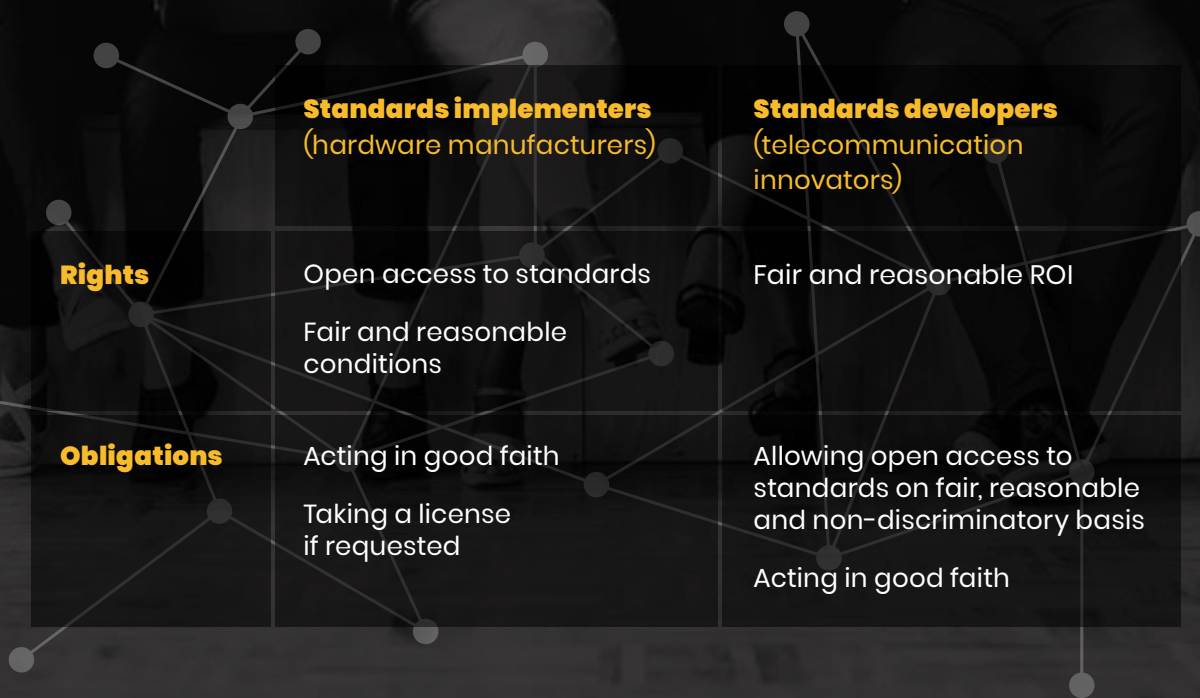
THE OPEN STANDARDISATION PROCESS



FRAND LICENSING OF STANDARD ESSENTIAL PATENTS



FRAND licensing of standard essential patents ensures global access to cellular standards by balancing the rights of telecommunication innovators with those of hardware manufacturers



CELLULAR STANDARDS ARE BLUEPRINTS

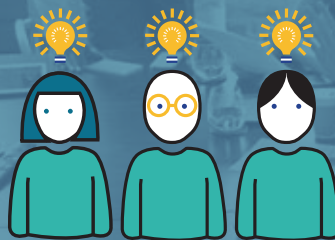


Cellular communication standards, like 4G and 5G, are the blueprints for the complex radio system and networks that enable mobile communication and global device connectivity.

They enable your smartphone and many other devices to stay wirelessly connected to cellular networks while moving over large distances.

They provide the foundation for the digital innovation ecosystem.

OPEN STANDARDISATION ENCOURAGES COMPETITION AND INNOVATION



No single organisation could create cellular standards alone.

Thousands of world-leading engineers, thousands of years of working hours, and billions of Euros of investment are needed to create the cutting-edge technologies that comprise a cellular standard like 5G.

TENS OF THOUSANDS OF COMPETING TECHNICAL SOLUTIONS ARE SUBMITTED TO THE STANDARDISATION PROCESS – BUT ONLY THE BEST ARE SELECTED FOR INCLUSION IN THE FINAL STANDARD.

THE 5TH GENERATION CELLULAR STANDARD

5G will help the Internet of Things to develop and flourish, offering extremely high data speeds, low latency, and the capacity for thousands of devices to be connected to the same network.

WHAT DOES THIS MEAN IN PRACTICE?



HEALTHCARE

Remote surgery or ingestible health monitors will improve health services.



CONNECTED AND AUTONOMOUS VEHICLES

Improvements in road safety and fuel efficiency. Reducing journey times and improving traffic efficiency.



SMART CITIES

Connected grids, smart utilities, smart traffic management.



INDUSTRIAL IOT

Making supply chains and processes better and more efficient across industries.



SMART ENVIRONMENTAL MONITORING

Which will help cut down greenhouse gases and pollution.



SUSTAINABILITY

Improved energy efficiency for connected devices.



SMART FARMING

Monitoring and tracking crops, livestock, and machinery through drones and sensors.



ENTERTAINMENT

Streaming/downloading an entire movie on your phone in HD in only a few seconds.