



UKTIN MOBILE STANDARDS SUMMARY

Q8 (JUL-SEP)

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OVERVIEW

The telecoms industry forms a vital part of the UK's society and economy. It connects the country and provides the basic infrastructure on which we build all elements of our digital lives, both social and economic. The UK has many advantages when it comes to telecoms and innovation broadly, but the sector is multifaceted and navigating a complex innovation ecosystem can be challenging.

Diversifying the supply chain to increase its resilience is part of the UK Government's response. Diversification means greater involvement for the SME sector, a recognised engine of growth for most industries.

As part of UKTIN's work to support SMEs looking to innovate within the supply chain, this document has been created to educate SMEs on mobile standards.

This report will include news of major developments of the key mobile standards, plus news on patent, patent trolls and IP infringement. A summary of the mobile standard organisations we are looking out for are below.

3GPP

The 3rd Generation Partnership Project (3GPP) is an umbrella term for a number of standards organisations which develop protocols for mobile telecommunications.

ETSI

The European Telecommunications Standard Institute (ETSI) is an independent, not-for-profit, standardisation organisation in the field of information and communications. It supports the development and testing of global technical standards in ICT.

IEEE

IEEE Standards Association is a leading consensus building organisation that nurtures, develops and advances global technologies.

ITU-T

The International Telecommunications Union Telecommunications (ITU-T) Sector's mission is to ensure the efficient and timely production of standards covering telecoms and ICT worldwide.

ITU-R

The International Telecommunications Union Radiocommunication (ITU-R) sector's role is to manage international radio-frequency spectrum resources and to develop standards for radio communication systems.

ANSI

The American National Standards Institute (ANSI) oversees standards and conformity assessment activities in the United States.

O-RAN Alliance

A world-wide community of mobile operators, vendors, and research & academic institutions with the mission to re-shape Radio Access Networks to be more intelligent, open, virtualised and fully interoperable.

IETF

Internet Engineering Task Force is the premier standards development organisation for the Internet. The IETF makes voluntary standards that are often adopted by Internet users, network operators, and equipment vendors.

SNAPSHOT OF KEY COVERAGE (JUL-SEP)

THE NEWSPAPER FOR THE MOBILE COMMUNICATIONS INDUSTRY

mobilenews

Ericsson and OPPO agree multi-year patent licence and to work together on 5G projects

Staff Reporter
July 16, 2024



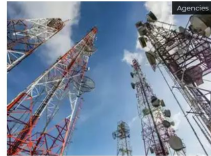
THE ECONOMIC TIMES

Telcos target 10% share of all global 6G patents in 3 years

10 - Last Updated: Aug 24, 2024, 11:59:00 PM IST

Synopsis

India's telecommunications sector set a three-year goal to capture 10% of future global 6G patents. Chaired by Minister Jyotiraditya Scindia, the panel also discussed contributing significantly to global telecom standards, emphasizing the need for better connectivity and quality of services. The initiative includes promoting investments and technology advancements in line with India's requirements.



Kolkata: **India's telcos** have set 3-year deadline to grab a 10% share of all future 6G-related global patents filings and also make a sixth of contributions towards development of [global telecom standards](#).

The proposal came up during a meeting

FINANCIAL TIMES

China's Transsion sued by Qualcomm and Philips as IP woes mount

Western companies press smartphone maker over alleged patent infringements



JUVE PATENT

Federal Patent Court revokes InterDigital patent in dispute with Oppo

Oppo won a victory against InterDigital last week. The Federal Patent Court in Germany revoked an important InterDigital patent. In a matter of days, the UK High Court will hear the case concerning a FRAND determination for a global licence.



KEY MEDIA CONVERSATIONS (JUL-SEP)

Disputes and battles in court over patents

Infringement issues are continuing to dominate the telecoms news agenda in the last quarter:

- ❖ **Lenovo hit with higher patent payout, both sides claim a win**
 - Lenovo is claiming a victory in a UK Court of Appeal ruling that bumps up the amount it owes US patent holder InterDigital in a in a long-running quarrel over licensing rates for patents InterDigital holds covering technologies in 3G, 4G, and 5G communications used in some Lenovo products. ([The Register](#))
- ❖ **Federal Patent Court revokes InterDigital patent in dispute with Oppo**
 - Oppo won a victory against InterDigital in September. The Federal Patent Court in Germany revoked InterDigital's EP 2 485 558 B1 in its entirety. The patent protects a technology for a method and apparatus for providing and utilising a non-contention-based channel in a wireless communication system. Soon the UK High Court will hear the case concerning a FRAND determination for a global licence. ([Juve Patent](#))
- ❖ **Huawei sues MediaTek in potential shift to IC design house patent licensing**
 - Huawei filed a lawsuit against MediaTek in China for breaching its patents. Most of these patents include cellular communication technology like 3G, 4G, and 5G networks and signifies a significant shift in Huawei's approach to patent licensing. ([Huawei Central](#))
- ❖ **China's Transsion sued by Qualcomm and Philips as IP woes mount**
 - Transsion is being sued by Qualcomm and Philips for alleged intellectual property violations. Transsion is rapidly expanding across the global south and as such facing intensifying legal and commercial pressures from large US and European technology companies over its licensing of a number of patents, including 5G.
- ❖ **Verizon hit with whopping \$847M verdict for infringing 5G and hotspot patents**
 - Dallas-based non-practicing entity General Access, which acquired the patents from original inventor Raze Technologies, claims elements of Verizon's 5G wireless networks, smartphone hotspots, wireless home routers, and MiFi devices violate its intellectual property. ([The Register](#))
- ❖ **What this means for you - this quarter has seen a high number of patent disputes with battles dominating the standards news agenda over the last three months. Especially when it comes to the licensing of 4/5G. This serves as a useful reminder to SMEs to consider the evolving regulations across the sector, and ensure they are adopting telecoms standards to protect themselves against potential disputes, especially against the big players in the market.**

KEY MEDIA CONVERSATIONS (JUL-SEP)

News from the telecoms standard bodies

- ❖ **ATIS and O-RAN ALLIANCE Agree on Transposition of O-RAN Specifications to ATIS Standards**
 - The MoU establishes a joint process to identify O-RAN specifications for adoption by ATIS. This transposition is a major step toward advancing the adoption of Open Radio Access Network (O-RAN) in North America, by giving O-RAN ALLIANCE specifications the benefit of recognition by ATIS, an accredited standards body with broad membership from North American industry. ([Atis newsroom](#))
 - ❖ **What this means for you** – by using the model already established between O-RAN and ETSI in Europe, the agreement between O-RAN Alliance and ATIS will further bring together the European and North American markets when it comes to O-RAN standards, paving the way for great interoperability for SMEs wanting to move into further markets.

- ❖ **USPTO and UKIPO Announce Collaboration Effort on Standard Essential Patent Policies**
 - The United States Patent and Trademark Office (USPTO) and the United Kingdom Intellectual Property Office (UKIPO) have signed a memorandum of understanding (MoU) that outlines a new framework for collaboration between the two offices on policies relating to Standard Essential Patents (SEPs). ([gov.co.uk](#))
 - ❖ **What this means for you** – as part of the MoU the USPTO and UKIPO has agreed to a collaboration to educate small and medium-sized enterprises seeking to implement or contribute to the development of technical interoperability standards on fair, reasonable, and non-discriminatory terms, which will provide SMEs with greater support and development when it comes to SEPs.

- ❖ **UN Releases Proposed Framework for Global AI Governance, Emphasizing the Critical Role of Standards**
 - The UN has recommended the creation of an AI standards exchange, bringing together representatives from national and international standard-development organizations, technology companies, civil society and representatives from the international scientific panel. ([Ansi](#))
 - ❖ **What this means for you** – the proposed framework will provide SMEs with greater transparency on standards when it comes to AI, simplifying the process and plugging holes where needed.

KEY MEDIA CONVERSATIONS (JUL-SEP)

Additional industry news

- ❖ **Telecom players targeting 10 percent share in 6G patents globally in next 3 years**
 - Indian telecom players are targeting a share of 10 percent of all 6G patents and one-sixth contributions to global standards in the next three years. Telecom industry players have proposed to systematically align research to 'India's needs' and put in place a vibrant "Standards Community".
 - ❖ **What this means for you – 6G is a major opportunity for the introduction of new technology and services and India's move to develop 10% of these standards is one to watch as investment in 6G continues to accelerate.**

- ❖ **Automotive Groups Lobby 5G Patent Provider for Greater Transparency and Fairness**
 - Five leading automotive groups, plus the European Automobile Manufacturers' Association (ACEA), have penned an open letter to Avanci, the company that manages important patents for 5G technology in connected vehicles, requesting it to be more open about the patents it controls.
 - ❖ **What this means for you – For SMEs in the automotive sector, this move by the industry has the potential to deliver greater transparency and licensing of automotive wireless technology on FRAND terms.**



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