

GSMA Services help operators, device manufacturers and service providers do business together more effectively, ultimately leading to better customer experiences.

Some services are based on the accurate and comprehensive collated TAC data we gather, while others rely on us acting as a data exchange for the common good.

We also offer services which underpin important interoperable backend functions, ensuring the mobile ecosystem runs smoothly, such as VoLTE testing and remote SIM provisioning.

Currently, our products are grouped around: Device Information, Fraud & Security, Network & Interconnect, eSIM and Blockchain & Roaming.



GSMA Services

GSMA



Data, resources
and tools to help
your business thrive.

gsma.com/services

Device Information

Optimise your network for the 5G era, by precisely identifying 5G and IoT devices, thanks to unique device data from the global source of TAC.

GSMA TAC Allocation

The GSMA is the body authorised by 3GPP to allocate TAC for all GSM mobile device identities globally, so you can rely on our TAC data to be complete and accurate.

GSMA Device Database

Direct access to our unique TAC data, showing device models, their characteristics, and band performance-based attributes.

Why choose this service?

- Highly accurate device data that's updated daily
- Useful for device validation, analytics, and network optimisation
- Available in full or delta file formats

GSMA Device Map

Provides the richest level of device information, as our TAC data is overlaid with an additional 150 device attributes – for more granular and curated details on device capabilities.

Why choose this service?

- Boost business insights with device and service usage patterns
- Enhance the customer experience with richer device attribute data
- Know your customers' devices to improve customer support and troubleshooting

Fraud and Security

Protect your business from big losses and safeguard it against financial and reputational damage, through the sharing of intelligence in a timely manner.

GSMA Device Registry

Be part of the collective fight against device crime. Flag fraudulent and stolen devices through the world's most accurate device registry.

Why choose this service?

- Share fraudulent/stolen status, so the device is flagged across the ecosystem
- Flagging devices makes them less valuable for resale

Fraud Prevention

Imagine intercepting international revenue share fraud – before it happens. And being alerted when fraudsters test your network or hijack calls to your numbers.

GSMA Device Check™

Remove the risk of handling stolen or fraudulent devices, by instantly checking a device's status through the world's most accurate device registry.

Why choose this service?

- Identify and eliminate compromised devices from sale or use
- Confirms device model to help calculate its correct value
- Trusted by retailers, repair shops, insurers and law enforcement agencies, with an ever-increasing number of use cases

GSMA Network Equipment Security Assurance Scheme

Helping mobile network equipment vendors demonstrate rigorous security levels required by 3GPP and GSMA, to build greater confidence.



Network and Interconnect

Improve the subscriber experience for 4G/5G services, by ensuring the reliability of VoLTE and other IMS-based services.

GSMA Interoperability Testing

Industry-standard tests that verify VoLTE interoperability, capability and compatibility for both devices and networks, in home and roaming scenarios.

Why choose this service?

- Builds confidence in VoLTE by demonstrating interoperability and reliability for both networks and devices
- Shows the mobile ecosystem that VoLTE performs optimally on your network

GSMA PathFinder™

Routes important messages from businesses, mobile operators and aggregators to their customers, so they can communicate with them anywhere in the world.

GSMA Network Settings Exchange

One location, where operators can update device manufacturers with their latest device network settings. So a device can be fine-tuned to a specified network, enabling all services to run reliably, worldwide.

Why choose this service?

- Reduces operational costs, providing instant access to the world's device manufacturers
- Standardised template, so settings are shared quickly and easily

GSMA Root DNS

Enables roaming on packet-based network services to work seamlessly, through a private, operator-to-operator internet.



Blockchain and Roaming

Accelerate wholesale negotiation and settlement. By streamlining inter-operator processes, with our ground-breaking blockchain business solutions.

GSMA eBusiness Network

A multi-party blockchain telco network, created to enable more efficient inter-operator business, by hosting innovative applications from operators, vendors and the GSMA. We have started with wholesale roaming services.

Why choose this service?

- Make significant improvements to collaborative business processes
- Reduce integration efforts and costs, whilst increasing efficiencies
- Blockchain's shared digital ledger enables immutability, transparency, and trust

GSMA Node

An all-in-one toolkit giving you easy access to the GSMA eBusiness Network. It does the technical work for you, including running applications, hosting, connectivity, software stacks and API access.

Roaming Applications:

GSMA Negotiator

Blockchain enables roaming managers to bilaterally negotiate, agree and digitally sign roaming agreements, quickly and efficiently.

GSMA Settlement

Blockchain streamlines the TAP, BCE, and discount settlement process, using pre-agreed smart contracts. To enable significantly faster wholesale roaming billing.

eSIM

Drive new business by leveraging the growth of eSIM. With a standardised, rigorous, and interoperable approach.

GSMA eSIM Discovery

The method for remote eSIM provisioning that's been specified by the industry and is available today through SM DP+ resellers. This standardised, seamless way makes life easier for consumers, and more cost-effective for the ecosystem.

Why choose this service?

Overcomes the current eSIM challenges in the following ways:

- No need for customer support – thanks to a very straightforward process
- Easy for large-scale device deployment
- Simple for IoT devices, as user interfaces aren't required

GSMA eUICC Identity Scheme

eUICC manufacturers can now allocate their own EIDs – the identification number required for the embedded/removable eUICC in every eSIM. This is because the GSMA now issue the eUICC identifier (EIN) in the same way we issue TAC.

GSMA eUICC Security Assurance

A certification scheme to instil confidence that eUICC products have reached the rigorous security standards set by the industry. Providing a robust set of principles and procedures for eUICC security evaluation.

