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Today’s societal, economic and environmental challenges have never been more complex, and the mobile industry is crucial to solutions that bring about true change.

We believe, the GSMA has a role to play in creating a thriving society that is affordable, accessible and reliable for everyone.
OUR VISION

To unlock the full power of connectivity so that people, industry and society thrive.
WE’RE THE

GSMA

We’re a member-led organisation, unifying the end-to-end connectivity ecosystem.

From mobile operators to the development sector – we work with more than 1000 companies.
The GSMA unites the mobile industry around a common agenda to unleash innovation to create a positive business environment and to produce real societal change on a global scale.
THE GSMA IN NUMBERS

1987
The GSMA was founded

5.2bn+
unique mobile subscribers

2016
we’re the first sector to commit to the UN Sustainable Development Goals

$600bn
annual 5G contribution to global economy in 10 years

10.1bn+
cellular connections worldwide (including IoT)

100m+
lives impacted through Mobile for Development

1.2bn
mobile money accounts

75%
of the global fixed broadband market is represented by GSMA members

Nearly 200,000 attendees worldwide come to our MWC and Mobile 360 Series events

30m data points included in GSMA Intelligence’s database

Over 600 meetings in the past year amongst the GSMA Working Groups

GSMA Membership: 1000+
mobile operators & companies in the broader ecosystem

2.7m visitors to MobileWorldLive.com

Nearly 200,000 attendees worldwide come to our MWC and Mobile 360 Series events

75% of the global fixed broadband market is represented by GSMA members

30m data points included in GSMA Intelligence’s database

Over 600 meetings in the past year amongst the GSMA Working Groups

2.7m visitors to MobileWorldLive.com
We unify the global mobile ecosystem, representing mobile operators and organisations across the mobile and adjacent industries.

Creating a common agenda

Our technical Working Groups bring together industry leaders and policymakers to innovate and action ideas that will have a positive global impact.

Leading industry innovation

We work with governments, UN Agencies, NGOs and international organisations to amplify the industry’s viewpoints.

Ensuring representation

Our MWC Barcelona, Shanghai and Los Angeles events are the epicenter of innovation.

Convening the connectivity ecosystem

We develop tightly-knit communities at our GSMA forums, seminars and facilitated meetings called working groups.

Engaging the industry

We turn ideas into solutions, with frameworks and standards in commercial, operational and technical matters.

Standardising solutions

WE CONVENE THE INDUSTRY, CHAMPION ITS VALUE AND UNIFY ITS ECOSYSTEM
WE FOCUS ON PLATFORMS AND PROJECTS THAT ARE ESSENTIAL TO ACCELERATE TECHNOLOGY AND A BETTER WORLD

5G
External Affairs
Artificial Intelligence
Live Media & TV Online
Ministerial Programme
Strategy
Roaming
Policy & Regulatory
Mobile for Development
Networks
Mobile Money
Live & Virtual Events
IoT
SIM Technology
RCS
Data Intelligence
Security
Identity
THE GSMA BOARD HAS 26 MEMBERS, REPRESENTING THE LARGEST OPERATOR GROUPS AND INDEPENDENTS WITH GLOBAL REACH
GSMA Membership gives you the platform to enhance the profile of your business and promote your brand on the world stage, connect through GSMA communities, working groups or events, as well as promotion through the online member directory, profiles of success stories and white papers, plus invites to exclusive events at MWC.

Connect with over 15,000 GSMA member contacts

GSMA members fuel their businesses by the connections, documentation, resources and industry expertise accessed through GSMA’s secure online platform - InfoCentre2.

Participate in global decision making
Through the GSMA Working Groups, members can work together with peers to address industry priorities, to promote industry perspectives, collaborate & harmonise – and engineer the future of connectivity and services.

Access to key decision makers in the connectivity industry
GSMA Membership gives you the platform to enhance the profile of your business and promote your brand on the world stage, connect through GSMA communities, working groups or events, as well as promotion through the online member directory, profiles of success stories and white papers, plus invites to exclusive events at MWC.

Accelerate Innovation
Shape the next generation of mobile through initiatives such as GSMA Foundry, an initiative to help the ecosystem accelerate the delivery of new connected devices and services – or access the latest industry data through GSMA Intelligence.

Membership offers unparalleled access to the latest industry data, best practices, decision-makers and communities.
WELCOME TO GSMA MEMBERSHIP

**Operator Members**
Open to licensed mobile network operators using a GSM family technology (GSM, 3G (UMTS/WCDMA), HSPA, LTE, LTE-Advanced).
- MNOs using a GSM family technology
- Satellite Operator
- Aircraft Operator
- Maritime Operator
- Telecommunications Administrative/Regulatory bodies...

**Industry Members**
Open to companies in the broader mobile ecosystem, including equipment vendors, device manufacturers and software companies (as well as organisations using mobile connectivity to create better services).
- Handset and device makers
- Software companies
- Equipment providers
- Internet companies...

**Rapporteur Members**
Open to non-GSM licensed operators moving to LTE/HSPA, or those planning to roam on GSM networks - plus Mobile Virtual Network Operators.
- Non-GSM Licensed Operators
- Fixed Wireless/Wireless Local Loop (FW/WLL) Operators
- M2M Operators
- Virtual Mobile Network Operators (MVNO)
- Wholesale Network Operators...

**Sector Members**
Sector specific industry engagement bridging the gap between the mobile and key adjacent ecosystems in areas such as Financial Services, Manufacturing, Aviation, Gaming, Automotive and Tower & Fibre Infrastructure.
- Financial Services
- Automotive
- Aviation
- Manufacturing
- VoIP
- Tower & Fibre
- Gaming...
GSMA - WORKING GROUPS AND SECURITY

8 PERMANENT WORKING GROUPS

- Internet
- Interoperability
- Data Specifications & Settlement
- Net Works
- Sim/eSim
- Wholesale Agreements & Solutions
- Terminal Steering
- Fraud Security

CONNECTING MORE THAN 15,000 EXPERTS

- 5,758 Active Working Group Participants
- 105 Taskforces & Subgroups

SUPPORTING OVER 750 OPERATORS

500+ Essential Specifications

INTEROPERABILITY ROAMING INTERCONNECT

IMPACTING OVER 10% REVENUE

320 Meetings

T-ISAC Members

BENEFITTING EVERY SUBSCRIBER GLOBALLY

5,758 Active Working Group Participants since last board meeting
Fraud & security
We stay ahead of potential fraud and security threats by implementing preventative measures.

Intellectual property rights
We work to protect IP and play a part in defining effective regulations.

Internet
We identify threats and opportunities in new internet technologies.

Interoperability data specifications & settlement
We design flexible data exchange processes to support billing and settlement.

Networks
We create frameworks to support dependable performance of networks for interconnection and roaming.

SIM
We build consensus on SIM technology and services.

Terminal steering
We avoid fragmentation and enhance devices, usability, security and consistency.

Wholesale agreements & solutions
We develop charging models and agreement templates to ease introduction of new services.

Working towards common goals, the GSMA Working Groups engineer the future of technology.
Manufacturing, Aviation, Financial Services, Automotive
These vertical focused groups bridge the gap between mobile and key vertical sectors, for example, the 5G IoT for Manufacturing Forum has grown to 29 organisations and delivered 5 reports including 5G IoT Private & Dedicated Networks and Operational Networks for Comparison of 5G and Wi-Fi.

Open Networks
Taskforce of all members was set up to investigate the impact of open interfaces and standards on Mobile Infrastructure supply chain.

IoT
GSMA Internet of Things is an initiative to help operators add value and accelerate the delivery of new connected devices and services in the IoT.

Secure Applications for Mobile
Providing an open and interoperable SIM/eSIM based solution for third parties wishing to host secure applications on devices, key uses would include ticketing, banking and secure identity (eIDAS compliant).

IP Communications
Defining a cross-industry road map for operator deployed personal communication services (voice and messaging) across 4G, 5G and other IP based networks.

IoT Safe
Enabling SIM and eSIM based security methods to be used to secure communications for IoT services.

Operator Platform Group
Creating the specifications for interoperable operator hosted ‘Edge Cloud’ services.

Telco Edge Cloud
Operator Platform and Telco Edge Cloud, Multi-Operator MEC Initiative and 5G Cloud Mobile Edge Computing (MEC).

Identity & Data
Understanding the role of identity & data as an enabler for such as decentralised identity, IoT, fraud detection and risk scoring; the commercial opportunities that identity presents to the operators and the broader ecosystem.
To develop Agreement Templates, Charging Models & Principles that support the commercial aspects of Inter-operability.

**KEY INDUSTRY BENEFIT**
Ensuring Inter-Operability between the various industry participants to the benefit of End Users

**LATEST FOCUS | NEW**
- VoLTE Roaming Promotion
- M2M implementations
- 5G & Network Slicing
- Support for future Billing and Charging Processes

**WAS SERVICES**
RAEX IOT/Op Data Tool | Bi-annual WAS Networking & Information Sharing Events

**NOTES**
Work within WAS is split between the Agreements (WAGREE) and Solutions (WSOLU) sub-groups.

**LEADERSHIP**

**Chair**
Kathleen Leach
T-Mobile

**Deputy Chairs**
Stephen Breen
Verizon
Luc Lamoureux
Reliance Jio

**WAGREE Chair**
Anthony Pizzuto
Vodafone Ltd

**WSOLU Chair**
Marjolein Medendorp
Telefónica

**Director**
Julia Gullstrand
GSMA

**Coordinator**
Roger Brown
GSMA
NG | NETWORKS GROUP

Group members 700+
Plenary attendance 120+

Provide technical support for operators addressing, testing and performance aspects of interconnection and roaming between operators.

KEY INDUSTRY BENEFIT
Ensuring Inter-Operability between the various industry participants to the benefit of End Users

LATEST FOCUS | NEW
- 5G Task Force for all 5G related specifications - 5G Roaming Guidelines, UNI on 5G, VoWiFi over a 5G Network and Network Slicing, 5G interoperator signalling
- Emergency Calling
- RCS
- Open Infrastructure

NG SERVICES
RAEX IR.21/IR.85 | ASN Allocation | Root DNS for GRX/IPX

NOTES
Network Groups works through subgroups focussing on Roaming, RCS, 5G, Open Infrastructure.

LEADERSHIP
Chair
Sandra Ondrusova
Hutchison 3G UK Limited

Deputy Chair
Walter Zielinski
Huawei

Director
Javier Sendin
GSMA

Coordinator
Karola Rajoo
GSMA
FASG | FRAUD AND SECURITY GROUP

Group members 1400+
Plenary attendance 150+

Drive the industry’s management of fraud and security matters related to GSM technology, networks and services.

KEY INDUSTRY BENEFIT
Build and maintain trust in mobile networks and technologies. Information sharing on latest fraud & security risks and mitigation reduces operator losses and protects brands.

LATEST FOCUS | NEW
- Security assurance scheme for network equipment (NESAS)
- 5G & Diameter Interconnect Security & Key Management.

FASG SERVICES
Security Accreditation Scheme | Intelligence Sharing (T-ISAC) | Coordinated Vulnerability Disclosure | IMEI Security testing | Stolen handset data sharing

NOTES
FASG sub-groups address operational and standardisation activities in Fraud and Security.

LEADERSHIP
Chair
David Rogers
Copper Horse Limited

Deputy Chair
Andy Mayo
Vodafone

GSMA Head Of Security
James Moran
GSMA

Director
David Maxwell
GSMA

Coordinator
Karola Rajoo
GSMA
Provide standards for electronic roaming information exchange to support wholesale billing, fraud prevention, invoicing & settlement, network configuration and commercial agreement.

**KEY INDUSTRY BENEFIT**
IDS standards maximise cash flows for roaming so the operators can pay each other timely.

**LATEST FOCUS**
- Billing and Charging Evolution launch
- Billing and Charging Evolution Test Toolkit
- Electronic Invoicing Data Implementation for BCE and TAP
- Alias TADIG Code and MCC/MNC mapping in TS.25 Database

**IDS SERVICES**
TADIG Code Allocation | GSMA Standardised Exchange Rate Tool | BID / Escalation Lists

**NOTES**
Work within IDS is split between two major sub-groups: Billing and Charging Evolution (BCE) and Maintenance Charging and Settlement (MCS).
TSG | TERMINAL STEERING GROUP

Group members 300+
Plenary attendance 30+

Manage terminal activities within GSMA and beyond to avoid fragmentation and enhance services, usability, security and consistency

KEY INDUSTRY BENEFIT
Align terminal capability related recommendations, testing and information to ensure consistent functionality across all devices.

LATEST FOCUS | NEW
- TS.48 Generic eUICC Test Profile for Device Testing
- TS.37 Requirements for Devices with Multiple SIM
- TS.43 VoWiFi and VoLTE Entitlement Configuration.
- TS.47 AI Mobile Device Requirements Specification

TSG SERVICES
HD Voice Logo | TS.25 Database | TAC Allocation Process

NOTES
TSG has 21 subgroups covering a wide range of terminal topics including RCS client specifications, field trial testing, antenna performance, artificial intelligence, eco ratings and more.

LEADERSHIP
Chair
Kay Fritz
Vodafone
Deputy Chair
Jian Jun Wu
Samsung Electronics Co Ltd

Director
Paul Gosden
GSMA
SIM | SIM WORKING GROUP

Group members 240+
Plenary attendance 16+

Provides a forum for consensus building among all membership categories in relation to support and advice on the promotion, implementation and adoption of SIM technology and services.

KEY INDUSTRY BENEFIT
Facilitate the alignment of GSMA Members to drive technical and strategic SIM matters for the benefit of the entire mobile ecosystem.

LATEST FOCUS | NEW
- IoT SAFE – Leveraging a hardware secure element, or ‘Root of Trust’, to establish end-to-end, chip-to-cloud security for IoT products and services.

LEADERSHIP

Chair
Sergio Cozzolino
Telecom Italia

Deputy Chair
Daniel Daksiewicz
Giesecke & Devrient

Director
Gloria Trujillo
GSMA

Coordinator
Karola Rajoo
GSMA

NOTES
Currently (2021) only active sub-group in SIM Group is IoT SAFE.
IG | INTERNET GROUP

Group members 300+
Plenary attendance 28+

Identify threats and opportunities for mobile operators by analysing and assessing new technologies in the internet and web space.

KEY INDUSTRY BENEFIT

Coordinate industry wide action for pushing forward common telco agenda in the Internet world, unlock new tech opportunities and mitigate common threats.

LATEST FOCUS | NEW

- Study of Quantum Computing Networks and Technologies
- Blockchain Co-ordinated Effort
- DNS Encryption guidelines for MNOs
- Engagement with IETF and W3C on QUIC MASQUE, DNS Encryption, WebRTC and DLT

NOTES

Internet Group publishes whitepapers and assessments of internet technology. Through subgroups, it is also responsible for GSMA’s activities in Identity Federation and Blockchain fabrics.

Each activity within Internet Group is led by appropriate volunteers from members of the group.

LEADERSHIP

Chair
Chris Seal
CK Hutchison

Director
Yolanda Sanz
GSMA
eSIM | eSIM WORKING GROUP

Group members 500+
Plenary attendance 60+

Manages the delivery and approval of all GSMA eSIM specifications including Consumer, IoT and M2M variants.

KEY INDUSTRY BENEFIT
Through seven sub-groups, the GSMA eSIM Group covers the full eSIM lifecycle from initial specification through testing and compliance to operational services.

LATEST FOCUS | NEW
- Consumer eSIM version 3
- eSIM for constrained IoT devices
- eUICC Security Assurance
- eUICC Identifiers

eSIM SERVICES
- eSIM Discovery Server
- eUICC Identifier (EID) Issuance
- eUICC Security Assurance
- eUICC / Operator Profile
- Interoperability Events

NOTES
eSIM work split across 7 subgroups covering Requirements, Technical Solution, Testing, Compliance, Security Assurance, Interop Tests and IoT.

LEADERSHIP
Chair
Sergio Cozzolino
Telecom Italia
Deputy Chair
Denis Praca
Thales
Technical Director
Gloria Trujillo
GSMA
Technical Manager
Yolanda Sanz
GSMA

Carmen Kwok
GSMA
Promote IP regulations that assist in growing the mobile industry and discourage abusive IP practices.

**KEY INDUSTRY BENEFIT**
Deal with any Intellectual Property challenges threatening the use of mobile technology and compromise the provision of mobile operator services.

**LATEST FOCUS | NEW**
- Intellectual Property Rights Regulations AA.32
- Joint GSMA IPR Strategy
- New publication “A History of Mobile Network Operators and Essential Telecommunication Technology”

**IPR SERVICES**
Patent Search Service | Proposed one-stop arbitration | New public facing IPR website

**NOTES**
Currently (2021) all activity on IPR is being undertaken in the Open Networking IPR project.

**LEADERSHIP**
*Chair*
Heinz Polsterer
T-Mobile Austria

*Director*
Michael Loch
GSMA
Networks
Shaping the next generation of mobile networks. Enabled by open networking, and supporting flexible, accessible operator edge services.

Internet of Things
Scaling mobile technologies and processes for the whole cellular IoT market and increasing adoption in key customer markets.

Fraud & Security
Analysing threats to all stakeholders in the mobile ecosystem and empowering them to protect it.

Identity & Data
Bringing operators and partners together to enhance data services and protect against fraud.

Energy Efficiency
Powering networks of the future whilst minimising energy use, maximising efficiency and promoting the use of renewable energy.

Internet
Realising the opportunity and impact of new web technologies for the mobile industry.

Roaming & Interconnect
Ensuring best practice operator roaming, billing and settlement for both legacy & future services.

Artificial Intelligence
Maximise responsible use of AI & machine learning across all aspects of the mobile ecosystem & society.
WE CREATE END-TO-END VALUE IN VERTICAL INDUSTRIES

We collaborate with experts from the most innovative companies in the ecosystem, creating opportunities for brands in Automotive, Finance, Manufacturing, Aviation and more.

VoIP
The GSMA and VoIP organisations are building strength as a community, understanding first hand the emerging trends, opportunities and challenges across the mobile landscape and helping to drive the future of voice communications.

Financial Services
Together with the Financial Services community, the GSMA is addressing key strategic issues, unlocking value, improving security and delivering in areas such as security, eSIM, network slicing, car payments, blockchain...

Manufacturing
GSMA’s 5G IoT for Manufacturing Forum brings together mobile operators, ecosystem partners, as well as manufacturing & production companies to accelerate the adoption of fit-for-purpose connectivity for Industry 4.0

- GAMING • AUTOMOTIVE • HEALTHCARE • FINANCIAL SERVICES • ENERGY & UTILITIES • EDUCATION • AGRICULTURE • TRANSPORT & LOGISTICS •
The GSMA Foundry is the go-to place for cross-industry collaboration and business development, where GSMA members and industry players come together to rapidly develop real-world solutions to industry challenges, nurture new ideas through initial commercial trials and scale proven solutions at a regional and global level to forge our digital future.

The Foundry utilises the global power and reach of the GSMA to convene, engage and unify the end-to-end connectivity ecosystem.

Focus on fixed term tangible projects with resource commitments from partners.

Let’s *shape* the future *together*
DATA, RESOURCES AND TOOLS TO HELP YOUR BUSINESS THRIVE

Device Information Services

Unique TAC* datasets that help optimise networks and service delivery.

GSMA Device Database
Original source for device identification and validation.

GSMA Device Map
Vital device intelligence for network and marketing planning.

GSMA TAC Allocation
We allocate the TAC that is used to identify all connected device models.

**Device Information Services**

eSIM Services

Advancing the growth of eSIMs, with services that facilitate global adoption.

GSMA eSIM Discovery
A seamless method of activating new eSIMs on the right network.

GSMA eUICC Identity Scheme
Allocation of eUICC identification numbers for manufacturers.

GSMA eUICC Security Assurance
Instilling confidence that eUICC chipsets have reached rigorous industry security standards.

**eSIM Services**

Fraud and Security Services

Essential tools to help reduce costly traffic fraud and mobile device crime.

GSMA Fraud Intelligence Service
Enables smart analysis and fast sharing of roaming and interconnect fraud.

GSMA Device Check™
Instantly look up whether a device has been reported lost, stolen or fraudulently obtained.

GSMA Device Registry
Flag a device’s status to protect businesses against mobile device crime.

**Fraud and Security Services**

Network and Interconnect Services

Helping devices, the internet and networks interconnect optimally in the 4G and 5G era.

GSMA Interoperability Testing
Tests to demonstrate a network, roaming networks or devices are VoLTE capable.

GSMA Network Settings Exchange
Enables smart analysis and fast sharing of roaming and interconnect fraud.

GSMA Network Settings Exchange
Making sure your device network services are reliable.

**Network and Interconnect Services**

GSMA Roaming Services

Next generation wholesale roaming, with blockchain technology. Processes are now faster, transparent, and 5G-ready.

GSMA eBusiness Network
A multi-party blockchain telco network, enabling more efficient and cost-effective inter-operator business.

GSMA Node
A managed all-in-one toolkit for the GSMA eBusiness Network. Includes API access and hosting.

GSMA Settlement
Streamlined clearing and settlement process, for reduced disputes and speedier wholesale roaming billing.

* Type Allocation Code

https://www.gsma.com/services/
OUR ADVOCACY WORK IS CENTERED AROUND

External Affairs & Industry Purpose
Intelligently connecting everyone and everything to a #BetterFuture

Climate Action
Climate change is one of the greatest threats humanity has ever faced and the mobile industry has a big part to play in fighting this global crisis.

Regulatory Modernisation
Setting the right rules to advance the digital economy

Spectrum
Securing the foundation for the future of mobile

Mobile for Development
Transforming lives through mobile innovation
CLIMATE ACTION PROGRAMME

ACTION AREAS
- ENERGY EFFICIENCY
- RENEWABLE ELECTRICITY
- SUPPLY CHAIN & CUSTOMERS
- ENABLING TECHNOLOGIES

STAKEHOLDER ENGAGEMENT
- Target setting and maintaining leadership
- Policy & advocacy - updated Climate policy, Green New Deal response
- Convening the industry - Climate Taskforce, September Seminars, MWC

- Climate Action Taskforce – more than 40 operator members globally
- Collaborate to move the mobile industry to Net Zero carbon emissions by 2050
- More than half the industry has climate targets aligned to the Paris Agreement
REGULATORY MODERNISATION

Monitor Developments
In the law and in policy discourse

Promote & Partner
Through events and engagements

Look to the Future
By considering the implications of emerging technologies for consumers and society

Educate & Influence
By spreading understanding and insights
Ensure mobile operators have timely and affordable access to appropriate spectrum. Building the foundation for the future of mobile and working towards:

- Identify mobile spectrum for future data demand
- Assign identified spectrum through fairness and transparency
- Maximise the 5G opportunity to unleash the next wave of innovation
CASE STUDIES
The GSMA is actively working with the telecoms and aviation industries to maximise the use and capabilities of UAS (drones), develop new use cases and help create an open and trusted regulatory environment. One example of this is our work with search and rescue.

Drones are in a unique position. With an airborne, compact, and nimble nature, they can access many locations, which would otherwise be difficult and costly to reach. As a result, they are ideally suited to perform object recognition tasks which can be connected to search, rescue and recovery missions.

LMT (Latvian Mobile Telephone) is working in collaboration with Riga Technical University to develop AI solutions that provide fast and reliable information from the site to the search, rescue and recovery teams.

With the help of several sensors, drones are able to efficiently collect a large amount of data, process it quickly with the help of edge computing on the mobile network and deliver the information to the rescue service.
More than 500 million connected cars will be on the road by 2025 (Ericsson, 2019), making the connected vehicle market one of the highest growth areas in the IoT.

More importantly, the connected vehicle market will have the biggest impact on the safety and wellbeing of citizens. By 2025, connected cars could save 11,000 lives and lead to 260,000 fewer accidents every year, while avoiding 400,000 tonnes of CO2 emissions and saving 280 million hours of driving.

The GSMA is working with mobile operators, automotive OEMs and suppliers, industry associations and regulatory bodies to accelerate the growth of the connected vehicle market by agreeing a common approach to security, regulatory and infrastructure solutions. Only a standardised and collaborative approach of the industry can unlock the full potential of this market.
As the threats targeting the mobile ecosystem increase, the GSMA continues to enhance the security support offered to its membership. That’s why we analyse the industry’s threat landscape and provide information that enables our member’s ability to protect the mobile ecosystem.

The GSMA Security Team supports the Fraud and Security Group (FASG). We work collaboratively with this group of experts on Fraud and Security topics.

Further to our work with the FASG, we have broadened our presence within industry through best practice publications, as well as providing security operations services for our membership. We work with a wide variety of stakeholders to deliver our services, these include:

Academia
Industry bodies
Standards Development Organisations (SDO)
Security practitioners
Security researchers
Senior security representatives
Mobile operators are re-evaluating the way that their networks are deployed. New virtualised architectures with open interfaces can drive cost efficiencies and allow operators to accelerate the deployment of 5G networks. Also, open interfaces can help diversify and reinvigorate the supply chain promoting competition and innovation – for example, by building and operating a RAN based on mix-and-match components from different vendors.

The GSMA and the O-RAN ALLIANCE have joined forces to accelerate the adoption of Open Radio Access Network products and solutions that take advantage of new open virtualised architectures, software and hardware. The organisations will work together to harmonise the open networking ecosystem and agree on an industry roadmap for network solutions, thereby making access networks as open and flexible as possible for new market entrants.
With the support of the GSMA, leading operators; China Unicom, Deutsche Telekom, EE, KDDI, Orange, Singtel, SK Telecom, Telefonica and TIM, have joined forces to develop an interoperable platform to make edge compute capabilities widely and easily available. The platform will make local operator assets and capabilities, such as latency, compute and storage, available to application developers and software vendors – enabling them to fulfil the needs of enterprise clients.

Operators have agreed to work together to develop an Edge Compute architectural framework and reference platform. And the GSMA has launched an Operator Platform Project to support this exciting operator initiative. Initially, the platform will be deployed across multiple markets in Europe and progressively extended to other operators and geographies to achieve global reach.
Finance and ICT ministers, ICT regulators and telecom and technology CEOs discussed an accelerated action plan to better leverage digital technologies and infrastructure during the COVID-19 pandemic.

World Bank, WEF, GSMA and ITU all mobilised in the fight against COVID-19.
<table>
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<th>Industry action &amp; influencing</th>
<th>Knowledge share &amp; documentation</th>
<th>Networking &amp; community</th>
<th>Marketing &amp; promotion</th>
<th>GSMA services</th>
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<tbody>
<tr>
<td>Only as a GSMA member can you access and partake in the GSMA working groups – the cornerstone of mobile technology evolution</td>
<td>Access to GSMA’s secure extranet &amp; 23,000 contact database</td>
<td>Virtual and in-person forums, meetings and dedicated networking at GSMA events</td>
<td>White papers, case studies, success stories &amp; press releases published on the GSMA website, alongside member listing</td>
<td>Access to and preferential rates across many of GSMA’s services, including GSMAi, RAEX and Telecommunication Information Sharing and Analysis Center (T-ISAC)</td>
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<td>Collaboration and harmonisation to influence mobile industry standardisation and solution development</td>
<td>Opportunity to publish relevant documentation on GSMA website and through GSMA channels</td>
<td>Discounts on MWC event space &amp; passes</td>
<td>Promotion on social media and use of GSMA membership logos</td>
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<td>Webinars &amp; virtual showcases</td>
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## GSMA Membership Benefits

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<th>GSMA Services</th>
<th>Operator Member</th>
<th>Industry Member</th>
<th>Rapporteur Member (MVNOs)</th>
<th>Sector Member</th>
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<tr>
<td>GSMA Device Registry</td>
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<td>GSMA Device Database</td>
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<td>GSMA Device Map</td>
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<td>GSMA Network Settings Exchange</td>
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<td>TAC allocation</td>
<td>10% Discount</td>
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<td>Roaming Agreement EXchange (RAEX)</td>
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<td>Standard global roaming agreements</td>
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<td>GSER - GSMA Standardised Exchange Rate Tool</td>
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<td>✓</td>
<td></td>
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</tr>
<tr>
<td>GSMA Advance Training</td>
<td>20% Discount</td>
<td>20% Discount</td>
<td>20% Discount</td>
<td></td>
</tr>
<tr>
<td>Security Accreditation Scheme</td>
<td>Discount</td>
<td>Discount</td>
<td>Discount</td>
<td></td>
</tr>
<tr>
<td>High Risk Numbers</td>
<td>✓</td>
<td>✓</td>
<td></td>
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</tr>
</tbody>
</table>

### Participation & Networking
- **Working Groups**: ✓ ✓ ✓ ✓
- **Regional Groups**: ✓ ✓ ✓ ✓
- **Industry Focused Projects**: ✓ ✓ ✓ ✓
- **Seminars & Training**: ✓ ✓ ✓ ✓
- **Use of GSMA Member Suites**: ✓ ✓ ✓ ✓
- **GSMA Foundry**: ✓ ✓ ✓ ✓
- **Marketing Opportunities**: GSMA Membership gives you the platform to enhance the profile of your business and promote your brand on the world stage.
- **Company listing on the GSMA web-based directory**: ✓ ✓ ✓ ✓ ✓
- **Discounted rates for advertising in selected GSMA publications**: ✓ ✓ ✓ ✓ ✓
- **Profiles of success stories**: ✓ ✓ ✓ ✓ ✓
- **Publication of your press releases, white papers and case studies**: ✓ ✓ ✓ ✓ ✓
- **Use of the GSMA Member logo**: ✓ ✓ ✓ ✓ ✓

1 activity
## GSMA Membership Benefits Summary

### Working Groups
- Work towards common goals
- Collaborate with members
- Influence mobile industry standards
- Contribution lead
- Forums for discussion and sharing

### Projects & Advocacy Initiatives
- Participate in Projects
- Spectrum and Public Policy
- Mobile for Development
- External Affairs and Industry Purpose

### InfoCentre²
- Members-only portal
- Join and participate in groups
- Access to resources and PRDs
- RAEX and key tools

### Resources & Training
- Newsletters
- Webinars
- Discounts on GSMA Advanced Training

### Discounts on Services
- GSMA Device Database
- GSMA Intelligence
- TAC allocation fees
- Security Accreditation Scheme

### Events & Networking
- 30% discount on delegate passes
- 3% discount on MWC Barcelona exhibition space and standard meeting rooms
- Invitation to exclusive Membership Events and Industry events

### Regional Support
- Our Regional Teams support with key topics and regional industry objectives
- Members can participate in regional initiatives and groups

### Marketing Opportunities
- Case Studies and press releases published on the GSMA website
- Company listing on the GSMA website
- Testimonials / Success Stories
- Bespoke Social Media