Device Identification and Verification

**Identify**

*Establish or indicate what something is*

- **Example**: Using **GSMA Device Database**, user able to identify the device is a cellular network equipped tablet with a valid TAC assignment
- Based upon global OEM data reported to GSMA as the global TAC administrator for all cellular devices

**Verify**

*Make sure or demonstrate that something is true, accurate, or justified*

- **Example**: Additional details from use of **GSMA Device Map** reveal the tablet is intended for use in an automobile, and querying the IMEI with **GSMA Device Check** confirms the IMEI is not flagged on the global Block List
- Wealth of device information to help establish confidence in device identify, status and history

**GSMA Device Check™**

**GSMA Device Database**

**GSMA Device Registry**

**GSMA Device Map**
Importance of Accuracy and Reliability

- Validate the device information you have or have been provided is correct
- Device is compliant with global standards, legitimate TAC / IMEI
- Avoid handling devices involved in criminal activity
- Avoid devices that may be blocked (or hindered) from sale or use
- Faster identification and resolution of device related network issues
- Increased marketing ROI
- Reduced operational costs
GSMA Device Information service types

**GSMA Device Database**

- 10,000+ device models launched every year
- 10,000+ device models in the database
- 1 global source of device manufacturers
- 2G-5G manufacturer and model identification
- Uplink/downlink MIMO and QAM band performance
- Operating system identification

**GSMA Device Map**

- 150+ curated device capabilities
- 20+ IoT device-type classifications
- Mapped over GSMA TAC Data
- 2G-5G manufacturer, model, and marketing identification
- Consumer IoT vs M2M device monitoring
- Chipset and browser HTTP protocol
- Uplink/downlink MIMO and QAM band performance

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Device Status Information

Contributors
- Insurer
- Retailer
- Distributor
- OEM
- MVNO

Network Operators Access
Device Status Exchange
- 120+ Mobile Network Operators
- 42 countries
- help protect 1+ billion users

GSMA Device Registry

Safer Device Trading Capability
GSMA Device Check™
- Entire Device Ecosystem
- 250+ organisations
- 50+ countries
- 100+ million devices queried per year

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Device Status Information Road Map

**eSIM eUICC Identifier**
- Expand to accommodate 32-digit eUICC identifier (EID)
- Initial use case to help MNOs combat network fraud
- Assessing demand and capacity; available **3Q 2023**

**General List**
- New list of information flagged due to non-Block List reasons, potentially from new contributor types
- Auto publish to GSMA Device Check™ APIs
- Assessing demand and capacity; potentially available **late 2Q 2023**

**Block List Reason**
- Share more existing information in GSMA Device Registry
- Contributors report the reason code (use case) for each Block List record
- Increasing use of reason codes other than “lost or stolen”
- Available to GSMA Device Check™ customers **April 2023**