Device Identification and Verification

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GSMA

Device Identification and Verification

Identify
Establish or indicate what something is

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

GSMA Device Check™	GSMA Device Database
GSMA Device Registry	GSMA Device Map

- *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

- *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
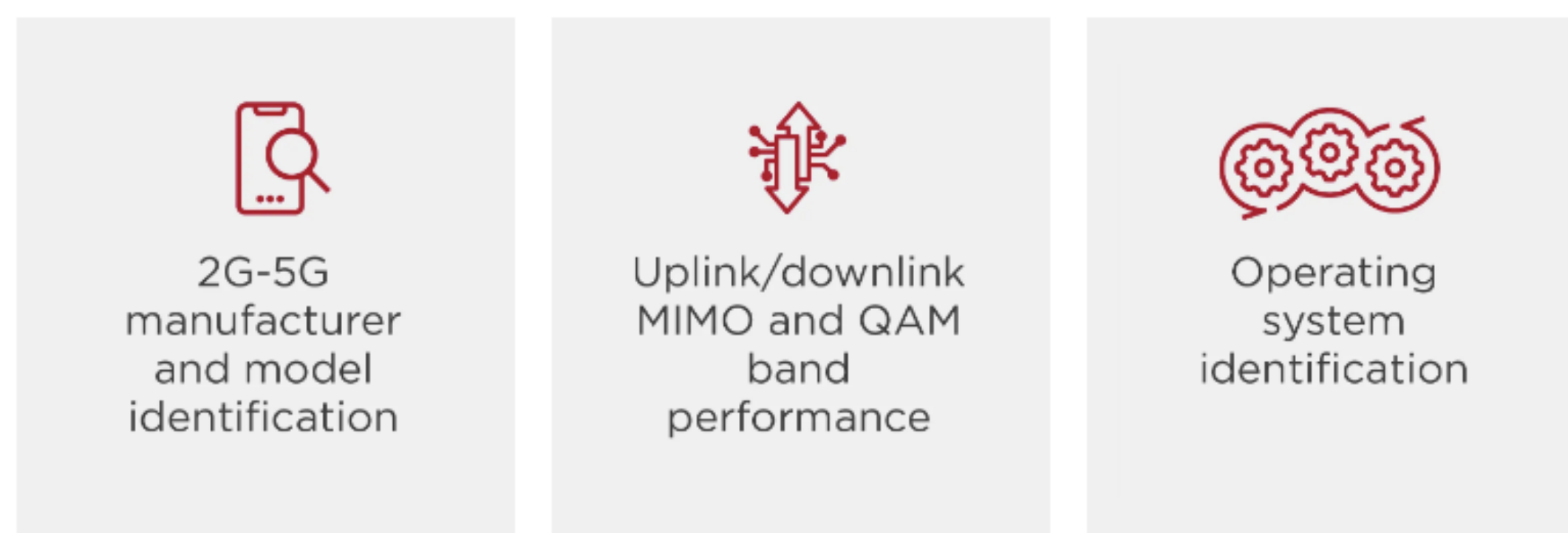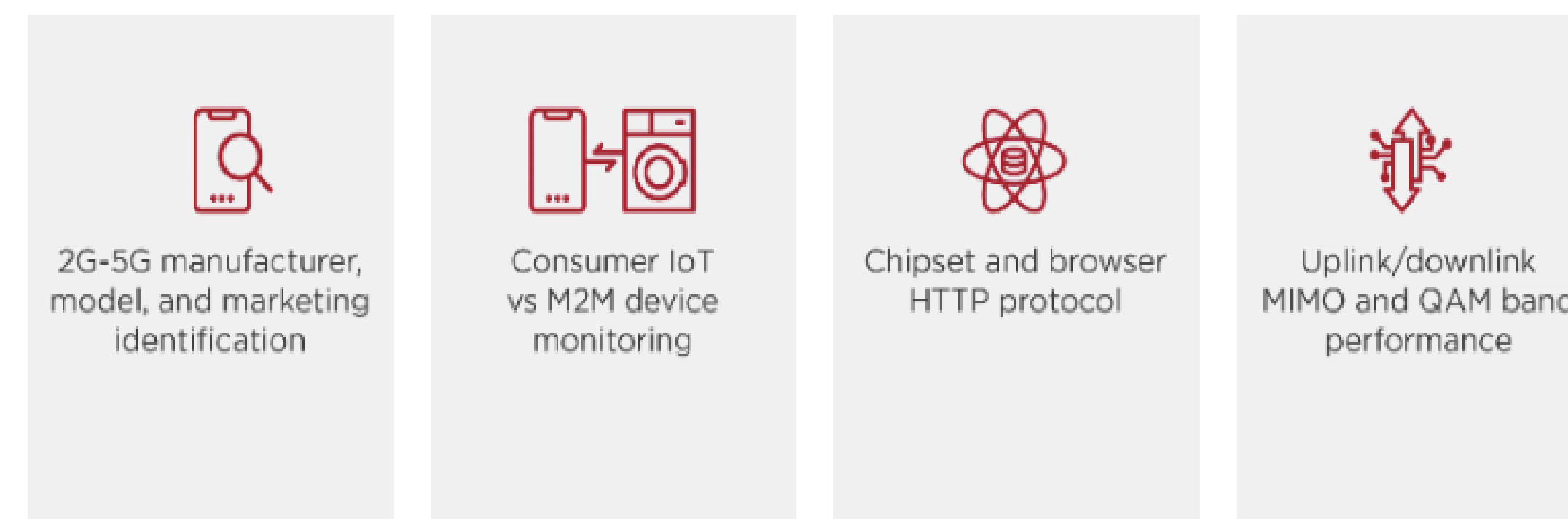
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Importance of Accuracy and Reliability

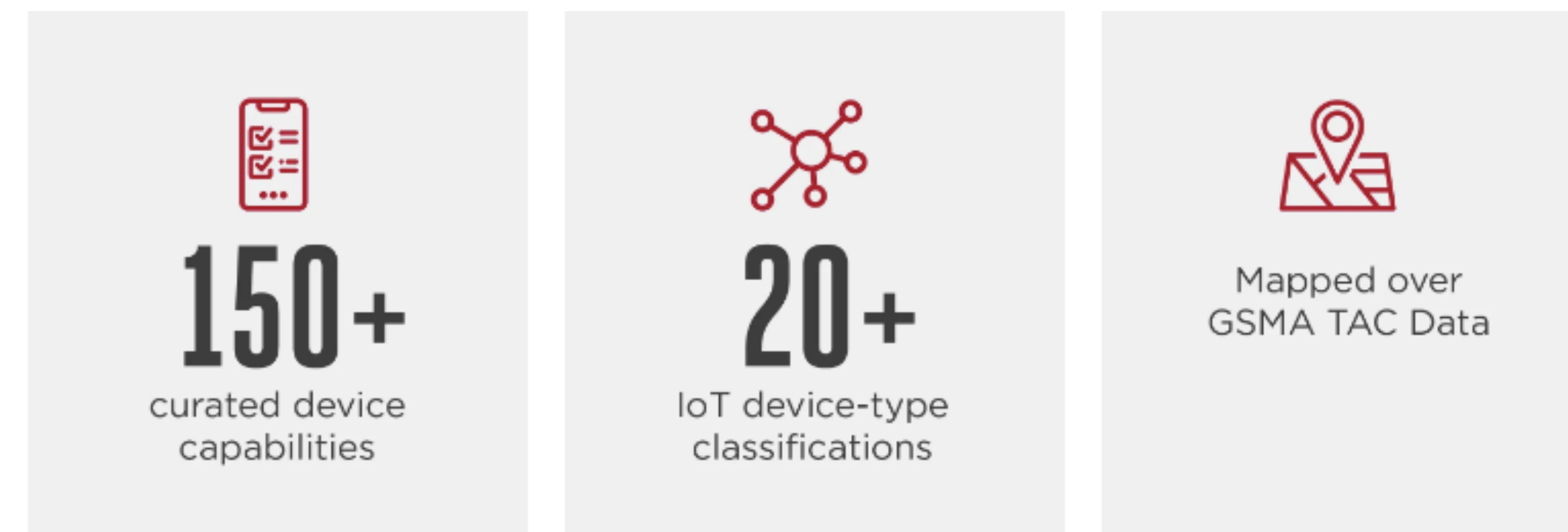- Validate the device information you have or have been provided is correct

- 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

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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
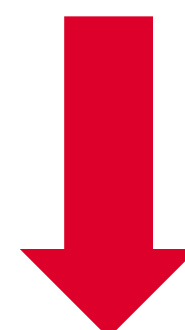
Contributors

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

2024

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**

GSMA™