GSMA Showcase Live

Device Identification and Device Verification

February 15th, 2023

> What we do and how the GSMA Device Database helps

Device Management

Fraud Management

SIM Management

> A global leader in remote Device and SIM Management solutions for mobile operators

> 1B+ devices detected and 500M+ devices configured by our solution since 2004

> Device Management Use Cases

> Subscriber's triplets (IMSI, IMEI, MSISDN) detected on legacy and 5G core network

> Subscriber's device model and attributes identified thanks to the GSMA Device Database

Automatic Device Configuration

Advanced Device Reporting

Device Based Marketing Promotions
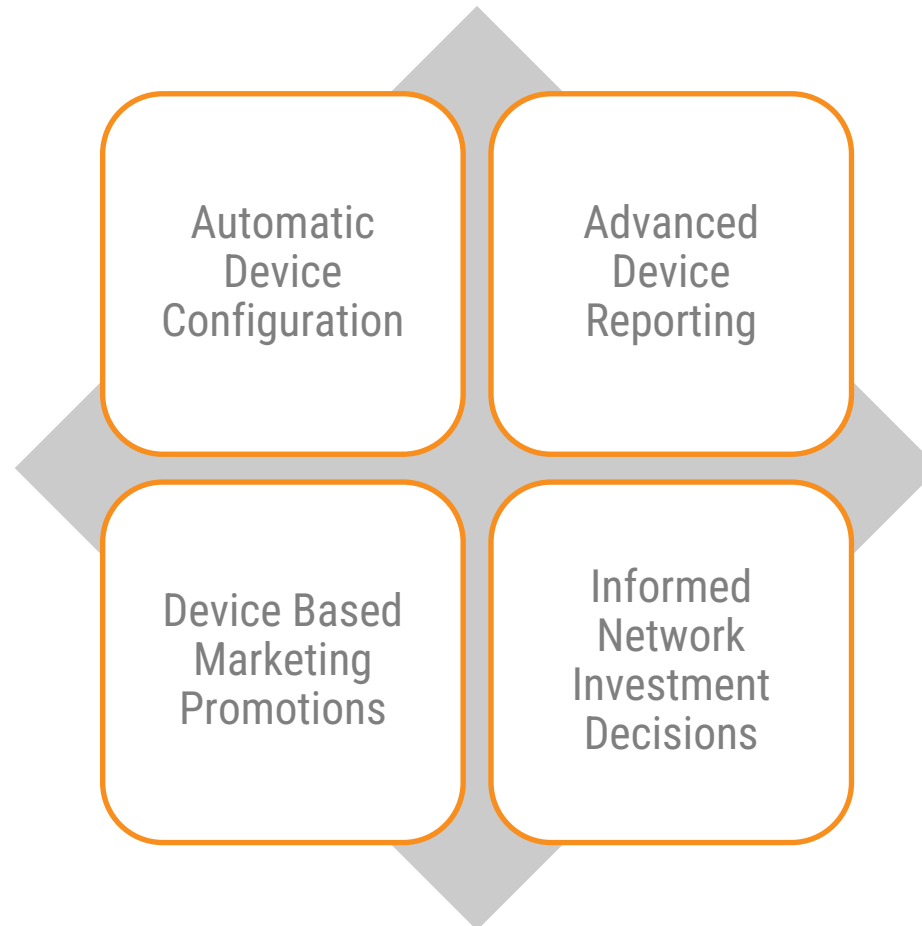
Informed Network Investment Decisions

> Device Detection & Seamless Configuration

Device Information : Apple A2638/Apple iPhone 13 PRO

Manufacturer	Marketing Name	Technical Name	Year	OS	Volte	Device Type	Dual sim
Apple	**iPhone 13 PRO**	**A2638**	**2021**	**iOS 15.x**	**Yes**	**Phablet**	**Yes**

Detected subcribers: 1

⬇ Download

1 / 1

Main | Software | Hw physical specs | Hw performance | Cellular | Communication | Multimedia

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Id	aBskSh
Manufacturer	
Model	Apple A2638/Apple iPhone 13 PRO
Picture	apple_iphone_13_pro.jpg
Release Date	2021
GSMA Manufacturer	Apple Inc
Marketing Name	iPhone 13 PRO
Technical Name	A2638
Device Type	Phablet
Predecessor Model	N/A
OTA Support	Yes

> Advanced Device Reporting

> Informed network investment decision for 5G, eSIM, VoLTE, etc.

> Deal negotiation with device manufacturers

Apple
Samsung
Huawei
Other
Xiaomi
Hmd Global Oy
Oppo
Wiko
Oneplus
Sony
Google

LTE
5G
HSUPA
UMTS
HSPA
HSDPA
GPRS
EDGE
DC_HSPA
HSPA+
CDMA2000
DC-HSPA+
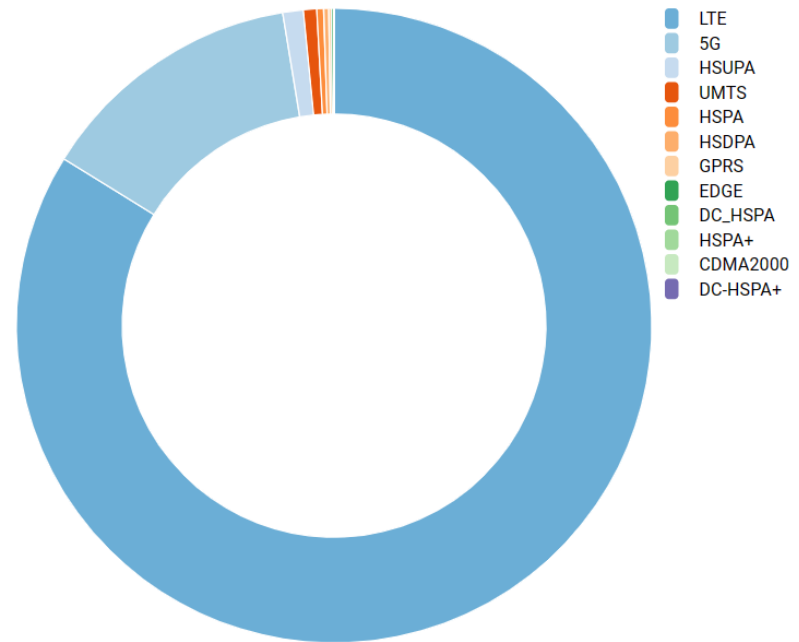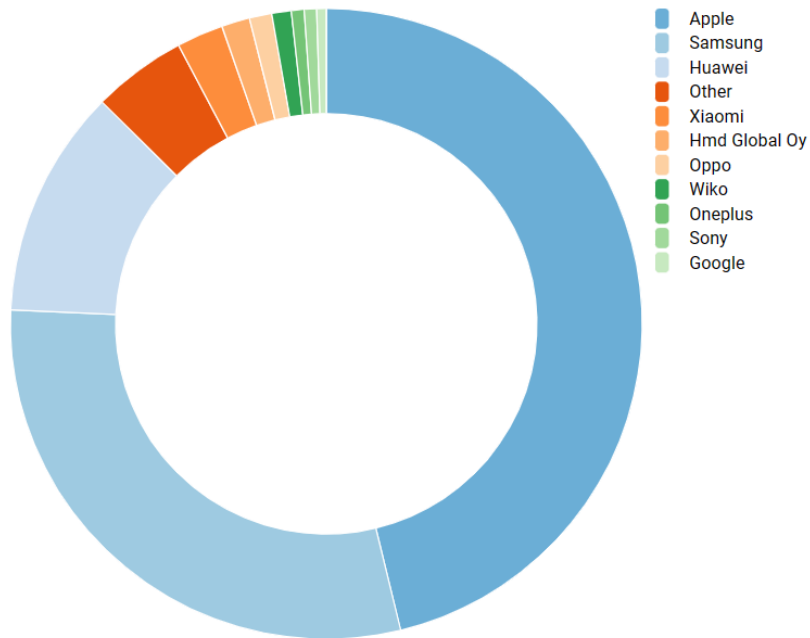
> Device based Promotions
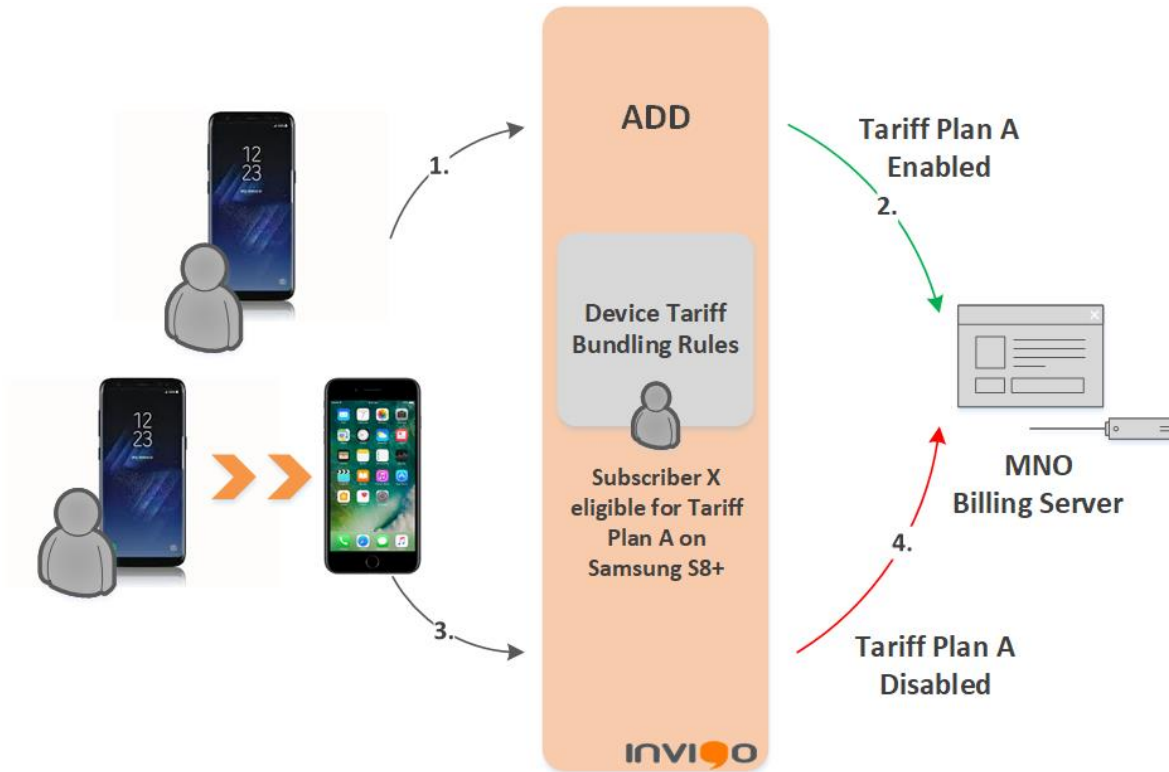
Preferential tariff applied for subscribers changing to a Samsung device

> The Problem of Device Fraud

**Substandard Devices
with Illegitimate IMEIs**

**Illegally
Imported
Devices**

**Stolen
Devices**

**Devices with
Duplicate IMEIs**

**Devices with
Changing IMEIs**

> The Impact of Device Fraud

Security Risks

» Use of counterfeit and cloned devices for criminal acts

» Mobile device theft

Health and Environmental Risks

» Higher power emissions

» Risk of battery explosion

» Use of hazardous substance

Lost Public Revenues

» Lost tax revenues

» Lost custom revenues

» Investment needed to fight corruption

Degraded Customer Experience

» Lower quality of service

» Non-compliance with standards

» No approval process or quality control

> Our Approach in Fighting Device Fraud

1

Device Identification

Device IMEI mapped to device brand and model thanks to the GSMA Device Database

2

Device Verification

Detected device characteristics compared to the identified device features

3

Failed Identification or Verification

Mismatch: An old feature phone detected on the 5G network! Or a failed device identification

4

Block Fraudulent Devices

EIR (Equipment Identity Register) at operators integrated with a central country-wide EIR and with the GSMA global IMEI database