The new device status enhancements to combat device theft and fraud

Jason Smith, GSMA Senior Product Director
We play a vital role in the use of mobile device identifiers

<table>
<thead>
<tr>
<th>TAC Allocations</th>
<th>Device Identifiers</th>
<th>Device Status</th>
<th>Device Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>The GSMA manage the industry’s global device identity scheme, called TAC. TAC is an 8-digit code which identifies all connected equipment types at product / brand level</td>
<td>The GSMA holds highly accurate and unique data for over 8 billion devices for identification and verification purposes</td>
<td>Flag devices you own to indicate i) theft ii) fraud status to help block their use iii) trade iv) repair, v) subject to an ownership or financial claim</td>
<td>Check the status and history of an IMEI for real time ecommerce valuation purposes, and to identify fraudulent / irregular claims</td>
</tr>
</tbody>
</table>

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TAC = Type Allocation Code | OEM = Original Equipment Manufacturers | IMEI = International Mobile Equipment Identity
GSMA device validation service types

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

- +100 million devices have been flagged
- +1 million fraudulent/stolen devices blocked
- +150 companies in our community

GSMA Device Check™

Protect against the risk of handling stolen or fraudulent devices. By instantly checking a device’s status, through the world’s most accurate device registry

- +100 million look-ups per year
- 7 YEARS of a device’s history
- 10 insights on device model and capabilities
Device status intelligence

Contributors

Insurer  Retailer  Distributor  OEM  MVNO

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

Network Operators Access

GSMA Device Registry

Safer Device Trading Capability

GSMA Device Check™
- Entire Device Ecosystem
- 250+ organisations
- 50+ countries
- 100+ million devices queried per year
### GSMA Device Registry use cases

<table>
<thead>
<tr>
<th>Lost or Stolen</th>
<th>Fraudulently Obtained</th>
<th>Broken or Faulty</th>
<th>Court Ordered Block</th>
<th>Ownership Claim</th>
<th>Financial Claim</th>
</tr>
</thead>
</table>
| Not with rightful owner | Obtained with no intent to pay | Technical and/or safety issue | • MNO use only  
• Legal obligation | • Assert ownership  
• Prevent unapproved trade | • Assert financial claim  
• Prevent premature trade |

Block trade and use  
(Block List)

Consider further investigation  
(General List)
Ownership + Financial claim use case examples

**Ownership Claim**

1. Purchase inventory
2. Flag devices
3. Lease device to customer
4. Customer files insurance claim
5. Insurer’s GSMA Device Check™ query results prevent fraud / loss

**Financial Claim**

1. Device sold with financing
2. Flag device
3. Customer seeks to sell device before paying balance
4. Buyer’s GSMA Device Check™ query results cause seller to pay balance before trade
5. Buyer and seller complete trade
**GSMA Device Check™ API response example**

### Your Results

<table>
<thead>
<tr>
<th>Organisation Details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Organisation Name</strong></td>
<td>GSM Ops</td>
</tr>
<tr>
<td><strong>Organisation Country</strong></td>
<td>United States</td>
</tr>
<tr>
<td><strong>Checked By</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number Checked</strong></td>
<td></td>
</tr>
<tr>
<td><strong>IMEI</strong></td>
<td>357652</td>
</tr>
<tr>
<td><strong>Device Status</strong></td>
<td>A On Block List</td>
</tr>
</tbody>
</table>

```json
{
    "refcode": "29022016012620",
    "responsestatus": "success",
    "deviceid": "35765206726822",
    "partnerid": "Acme Ltd",
    "blockliststatus": "No",
    "generalliststatus": "Yes",
    "imeihistory": [
        {
            "action": "General Insert",
            "reasoncode": "0042",
            "reasoncodedesc": "Ownership Claim",
            "date": "2022-06-15 16:37:12.0",
            "by": "Mobile Device Sales, Inc.",
            "Country": "United States"
        }
    ],
    "manufacturer": "Sony Mobile Communications",
    "brandname": "Sony",
    "marketingname": "Xperia Z3 Compact",
    "modelname": "M55w, D5803",
    "band": "LTE FDD BAND 7, LTE FDD BAND 13, WCDMA FDD Band 1, WCDMA FDD Band VIII, LTE FDD Band 20, LTE FDD BAND 5, LTE FDD BAND 2, GSM 900, LTE FDD BAND 3, LTE FDD BAND 4, LTE FDD BAND 17, GSM 1800, LTE FDD BAND 1, LTE FDD BAND 8, WCDMA FDD Band II, WCDMA FDD Band IV, WCDMA FDD Band V, GSM850 (GSM800)",
    "operatingsys": "Android",
    "nfc": "Yes",
    "bluetooth": "Yes",
    "WLAN": "Yes",
    "devicetype": "Smartphone"
}
```