Integrated SIM (iSIM) for Consumer Electronics

- iSIM standardisation focus: The iSIM is fully standardized and endorsed by the industry.
- iSIM relies on largely deployed eSIM infrastructure in consumer devices by 2025.

Device makers challenges:

1. **Power efficient devices**
2. **Tested according to GSMA's eSIM compliance program**
3. **Validated with mobile operators' eSIM infra (profiles, eSIM management platforms)**
4. **Leverage existing OEM manufacturing processes**
5. **Integrating eUICC security (leveraging eSIM)**
6. **Optimized BoM and space**
7. **Improve security for new services**
8. **Ease of testing & enablement**
9. **Ensure lower energy consumption**
10. **Support complete life cycle management of subscription and eSIM OS software**
11. **Provide same hardware-based security as eSIM**
12. **Leverage existing eSIM ecosystem**
13. **New to iSIM: Remove SIM, eSIM Embedded SIM Integrated SIM**

The iSIM is as interoperable as eSIM.

**5 steps to enable subscriptions in iSIM**

1. Test according to GSMA's eSIM compliance program
2. Validate with mobile operators' eSIM infra (profiles, eSIM management platforms)
3. Integrate eUICC security (leveraging eSIM)
4. Optimize BoM and space
5. Ensure complete life cycle management of subscription and eSIM OS software

**The 7 benefits of an iSIM**

1. Remove SIM: Removable SIM Embedded SIM Integrated SIM
2. eSIM unchanged: eSIM OS integrated into System on Chip (SoC)
3. New to iSIM: Removable SIM Embedded SIM Integrated SIM
4. eSIM form factor: New form factor (e.g., TAP, small 3D IC, a secure vault)
5. Trustful digital format: Same trustful digital format (stores subscription details) into a new form factor (e.g., TAP, small 3D IC, a secure vault)
6. Trustful area: Secure area for storing subscription details (e.g., credentials to connect to the mobile network) into a new form factor (e.g., TAP, small 3D IC, a secure vault)
7. New form factor: New form factors (e.g., TAP, small 3D IC, a secure vault) for storing subscription details (e.g., credentials to connect to the mobile network) into a new form factor (e.g., TAP, small 3D IC, a secure vault)

**What an integrated SIM (iSIM) is**

- It is a new form factor for storing subscription details into a secure vault.
- It provides the same trustful digital format as eSIM.
- It ensures complete life cycle management of subscription and eSIM OS software.
- It offers lower energy consumption compared to eSIM.
- It supports hardware-based security similar to eSIM.
- It is interoperable with eSIM infrastructure.
- It is endorsed by industry bodies like GSMA and 3GPP.

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**The iSIM is fully standardized and endorsed by the industry**

- It is standardized and recognized by industry bodies like GSMA and 3GPP.
- It is fully compatible with 2G, 3G, 4G and 5G.
- It is interoperable with eSIM infrastructure.
- It is endorsed by mobile operators and industry standards bodies.

**Consumer Electronics**

- iSIM can be used in any cellular consumer device (smartphone, smartwatch, connected PC, tablet...).
- It is fully compatible with 2G, 3G, 4G and 5G.
- It is as interoperable as eSIM.

**iSIM reliance on eSIM infrastructure**

- It relies on the largely deployed eSIM infrastructure in consumer devices by 2025.
- It is standardized and recognized by industry bodies like GSMA and 3GPP.
- It is fully compatible with 2G, 3G, 4G and 5G.

**Device makers challenges**

- Power efficient devices
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