An Introduction to the GSMA eUICC Identity Scheme
August 2020
Introducing the GSMA eUICC Identity Scheme

The GSMA eSIM Specifications provide a common standard to enable Remote Sim Provisioning (RSP) for all consumer and IoT devices fitted with an eSIM(s)

The eSIM industry, 130+ major companies, appoints the GSMA as global entity to assign all eUICC manufacturers with an identification number (EIN) required to construct the full EID

The eUICC identifier (EID) is the unique 32 digit number all industry actors require to enable eSIM RSP and other management processes

The GSMA will maintain and curate a directory of the associated intelligence as an industry resource
Any eUICC manufacturer can now apply for their own unique eUICC Identification Number (EIN) to enable completion and issuance of eUICC Identifiers (EIDs).

This step also signifies a large increase in the applicable EIN number range to cater for the predicted eUICC volume growth; one EIN can be used for up to 1 billion units.

The GSMA scheme is not limited to specific countries, regions or manufacturing sectors; it is truly global, this is final step to enable mass production & connectivity.

The GSMA can chose to assign other entities to provide the same service at a local level where required, i.e. National Agencies.

The GSMA will curate a repository of all registered companies granted ERHI1 identifier status.
Unique and accurate eUICC Identifiers (EIDs) are essential for the whole eSIM ecosystem.
How to build your eUICC Identifier (EID)

- **EIN** = eUICC Identification Number
- **ESIN** = EUM Specific Identification Number
- **Check Digits**

00909 231222999923581290365443 09

- **Unique 5 digits**
  - GSMA assign = Range Holder Identifier 1
  - = ERHI1

- **Unique set of digits**
  - assigned by the eUICC manufacturer

- **Check Digits**
  - A function of the preceding digits calculated by the eUICC manufacturer

The completed unique EID is required to be 32 digits
**Application process**

**Application**
- Manufacturer downloads the eIS Registration Form
- Manufacturer completes the eIS Registration Form
- GSMA verifies eIS Registration Form

**Contract & Payment**
- Manufacturer submits the eIS Registration Form
- Manufacturer signs the Terms & Conditions Agreement and processes invoice for payment
- GSMA eIS Administrator submits Terms & Conditions Agreement and the Invoice
- Payment received
- GSMA assigns the ERHI and issues the GSMA eIS Certificate to manufacturer

**Assignment**
- Manufacturer produces eUICC and forms unique EID from the ERHI prior to shipping

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**eUICC Manufacturer action**  **GSMA action**
Digital sign up and contact details

GSMA eUICC Identity Scheme Administrator
elSregistration@gsma.com

Download the GSMA eIS Registration Form here

gsma.com/services