eUICC Security Assurance (eSA) Scheme

Step-by-Step Guide

eSIM Team

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What is this new eSIM scheme?

A new GSMA eUICC Security Assurance scheme is developed in collaboration with industry stakeholders and TrustCB, aiming to provide **assurance and trust to the operators** on the embedded SIM (eSIM/eUICC) products produced by the eSIM vendors.

eUICC Security Assurance (eSA) is based on the Common Criteria approach to security assurance where the security objectives within the GSMA Protection Profiles (i.e. SGP.05 (for M2M devices) and SGP.25 (for Consumer devices)) still apply, but defines a more dynamic set of procedures for the security evaluation of eUICCs. Resistance against threats with high-level attack potential is paramount.
eSA Process Overview

ENROLMENT
EUM signs and completes all the needed documentation and fees payment with GSMA to participate in the GSMA eSA scheme per new product and product update.

SUBMISSION
EUM sends required documentation to GSMA CB to commence evaluation activity.

EVALUATION
Licensed Laboratory and CB goes through evaluation meetings and the Evaluation Technical Report is delivered.

CERTIFICATION
GSMA CB approves the Evaluation Technical Report and CB and GSMA issues the eSA Certificate to the EUM.

Details of the Submission, Evaluation and Certification phases can be found within [SGP.06](#) and [SGP.07](#)
Note 1: eSA Participant Declaration can be found within eSA Terms and Conditions as Annex A.
Note 2: License and Admin Fees can be found within eSA Terms and Conditions. Special Conditions apply to GSMA members and early adopters.
Note 3: GSMA eSA Enrolment Confirmation is needed to commence the Evaluation and Certification process with the eSA Laboratories and GSMA Certification Body.
Submission

Contract Laboratory from the list of GSMA eSA Licensed Laboratory

Send required documentation to GSMA CB:
- Signed copy of the GSMA eUICC Security Assurance Application Form (SGP.06 Annex A)
- Security Target
- GSMA eSA Enrolment Confirmation
- Complete application and payment with GSMA CB

Note: UL is not a SOGIS accredited Laboratory due to Brexit. UL Basingstoke Laboratory has been granted a temporary exception to participate in the GSMA eSA Scheme until December 2021 after having verified that the technical capabilities defined by SOGIS for Qualified EAL1-7 for "Smartcards and similar devices" are fulfilled by this particular laboratory. For further information on this please contact eSA@gsma.com.
SGP.07 eUICC Security Assurance Methodology contains a detailed description of the Evaluation Phase processes, meetings and deliverables to be presented during the Evaluation Phase.

At the end of the Evaluation Phase, the GSMA eSA Licensed Laboratory delivers the Evaluation Technical Report.
Upon the successful completion of the Evaluation Phase by the EUM, and if Evaluation Technical Report is found correct and to the satisfaction of the CB, the CB and GSMA will issue the EUM with an eSA Certificate.
Contact GSMA eSA Support for any further question at eSA@gsma.com