SAS for Subscription Management (SAS-SM) Scope Definitions

Version 2.0

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1 Introduction

1.1 Overview

This document provides definitions of each of the following areas of scope in which a site participating in SAS for Subscription Management (SAS-SM) may gain accreditation.

- Subscription Management – Secure Routing (SM-SR);
- Subscription Management – Data Preparation (SM-DP);
- Subscription Management – Data Preparation+ (SM-DP+);
- Data Centre Operations and Management (DCOM);
- Subscription Management – Discovery Server (SM-DS), and
- eSIM IoT Remote Manager

1.2 Definitions

As defined in [1], [2], [3] and [4].

1.3 Abbreviations

Term	Description
DCOM	Data Centre Operations and Management
EID	Embedded UICC Identifier
eIM	eSIM IoT Remote Manager
eUICC	A UICC which is not easily accessible or replaceable, is not intended to be removed or replaced in a device, and enables the secure changing of profiles.
HSM	Hardware Security Module
LPA	Local Profile Assistant
RSP	Remote SIM Provisioning
SM-DP	Subscription Management – Data Preparation
SM-DP+	Subscription Management – Data Preparation+
SM-DS	Subscription Management – Discovery Server
SM-SR	Subscription Management – Secure Routing

1.4 References

Ref	Doc Number	Title
[1]	SGP.01	GSMA "Embedded SIM Remote Provisioning Architecture"
[2]	SGP.02	GSMA "Remote Provisioning Architecture for Embedded UICC Technical Specification"
[3]	SGP.21	RSP Architecture
[4]	SGP.22	RSP Technical Specification
[5]	PRD SGP.31	eSIM IoT Architecture and Requirement Specification
[6]	PRD SGP.32	eSIM IoT Technical Specification

2   Subscription Management – Secure Routing (SM-SR)

Definition	Accreditation Options	
	Locally Hosted Solution	**Cloud Hosted Solution**
Securely performs functions of Platform Management commands and the transport of Profile Management commands, as specified in [1] & [2].	✔ Full ✔P Provisional SM-SR is fully hosted on infrastructure to which the SM-SR service provider has physical access.	✔ Full ✔P Provisional SM-SR solution is partially (application only) or fully (application + HSM(s)) hosted on cloud service provider infrastructure to which the SM-SR service provider has remote access only.

3   Subscription Management – Data Preparation (SM-DP)

Definition	Accreditation Options	
	Locally Hosted Solution	**Cloud Hosted Solution**
Prepares Profiles to be securely provisioned on the eUICC and manages the secure download and installation of these Profile onto the eUICC, as specified in [1] & [2].	✔ Full ✔P Provisional SM-DP is fully hosted on infrastructure to which the SM-DP service provider has physical access.	✔ Full ✔P Provisional SM-DP solution is partially (application only) or fully (application + HSM(s)) hosted on cloud service provider infrastructure to which the SM-DP service provider has remote access only.

4   Subscription Management – Data Preparation+ (SM-DP+)

Definition	Accreditation Options			
	Locally Hosted Solution		Cloud Hosted Solution	
	Full	Provisional	Full	Provisional
Prepares Profile Packages, secures each with a Profile protection key, stores Profile protection keys in a secure manner as well as the Protected Profile Packages in a Profile Package repository, and links the Protected Profile Packages to specified EIDs. The SM-DP+ binds Protected Profile Packages to the respective EID and securely downloads these Bound Profile Packages to the LPA of the respective eUICC, as specified in [3] & [4].	SM-DP+ is hosted on infrastructure to which the SM-DP+ service provider has physical access.		SM-DP+ solution is partially (application only) or fully (application + HSM(s)) hosted on cloud service provider infrastructure to which the SM-DP+ service provider has remote access only.	

5   Subscription Management – Discovery Server (SM-DS)

Definition	Accreditation Options			
	Locally Hosted Solution		Cloud Hosted Solution	
	Full	Provisional	Full	Provisional
Provides addresses of one or more SMDP+(s) to a LDS, as specified in [3] & [4].	SM-DS is hosted on infrastructure to which the SM-DS service provider has physical access.		SM-DS solution is partially (application only) or fully (application + HSM(s)) hosted on cloud service provider infrastructure to which the SM-DS service provider has remote access only.	

6   Data Centre Operations and Management (DCOM)

Definition	Accreditation Options			
	Local Hosting		**Cloud Hosting**	
Management and operation of IT infrastructure required for providing subscription management services. If provided by a third party, service model may vary and control/responsibility is shared and agreed between SM customer and DCOM provider. However, **DCOM never includes management of SM application or SM application data**. DCOM may include SM customer physical access to infrastructure or may also be provided as a cloud service through network access only.	✔ Full	✔P Provisional	✔ Full	✔P Provisional
	SM service provider is responsible for physical access to own or subcontractor's IT infrastructure.		DCOM certified entity does not provide SM clients with physical access to IT infrastructure.	

7   eSIM IoT Remote Manager

Definition	Accreditation Options			
	Locally Hosted Solution		**Cloud Hosted Solution**	
Performs secure remote profile state management operations and eIM configuration on a single IoT device or a fleet of IoT devices, as part of the architecture for remote provisioning of eUICCs in network constrained and/or user interface constrained IoT devices defined in SGP.31 [5] and SGP.32 [6].	✔ Full	✔P Provisional	✔ Full	✔P Provisional
	eIM is hosted on infrastructure to which the eIM service provider has physical access.		eIM solution is partially (application only) or fully (application + HSM(s)) hosted on cloud service provider infrastructure to which the eIM service provider has remote access only.	

These are current definitions and applicable scopes. Definitions will be updated and scopes extended as appropriate.

Annex A   Document Management

A.1   Document History

Version	Date	Brief Description of Change	Editor / Company
1.0	8 Jul 2020	First version	David Maxwell, GSMA
1.1	9 May 2022	Updated to reflect changes in FS.18 enabling auditing and certification of HSM as a managed service.	
1.2	18 Apr 2023	Updated GSMA logo.	
2.0	12 Feb 2024	Added eSIM IoT Remote Manager	

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