



# **SAS for Subscription Management (SAS-SM) Scope Definitions Version 1.1 9 May 2022**

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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), and
- Subscription Management – Discovery Server (SM-DS).

## 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
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





## 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  Provisional <p>SM-SR is fully hosted on infrastructure to which the SM-SR service provider has physical access.</p>	 Full  Provisional <p>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.</p>





## 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  Provisional <p>SM-DP is fully hosted on infrastructure to which the SM-DP service provider has physical access.</p>	 Full  Provisional <p>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.</p>





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

Definition	Accreditation Options	
	Locally Hosted Solution	Cloud Hosted Solution
<p>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.</p> <p>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] &amp; [4].</p>	 Full  Provisional  SM-DP+ is hosted on infrastructure to which the SM-DP+ service provider has physical access.	 Full  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.

## 5 Subscription Management – Discovery Server (SM-DS)

Definition	Accreditation Options	
	Locally Hosted Solution	Cloud Hosted Solution
<p>Provides addresses of one or more SMDP+(s) to a LDS, as specified in [3] &amp; [4].</p>	 Full  Provisional  SM-DS is hosted on infrastructure to which the SM-DS service provider has physical access.	 Full  Provisional  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	
<p>Management and operation of IT infrastructure required for providing subscription management services.</p> <p>If provided by a third party, service model may vary and control/responsibility is shared and agreed between SM customer and DCOM provider. However, <b>DCOM never includes management of SM application or SM application data.</b></p> <p>DCOM may include SM customer physical access to infrastructure or may also be provided as a cloud service through network access only.</p>	 Full	 Provisional	 Full	 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.	

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.	David Maxwell, GSMA

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