

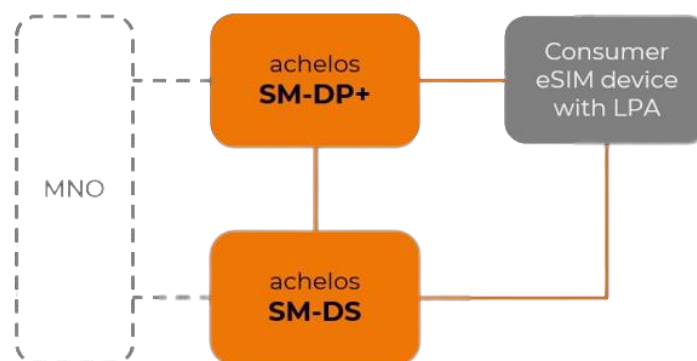
SM-DP+ | SM-DS

Data Sheet



eSIM Management Platform for Consumer devices

GSMA SGP.22

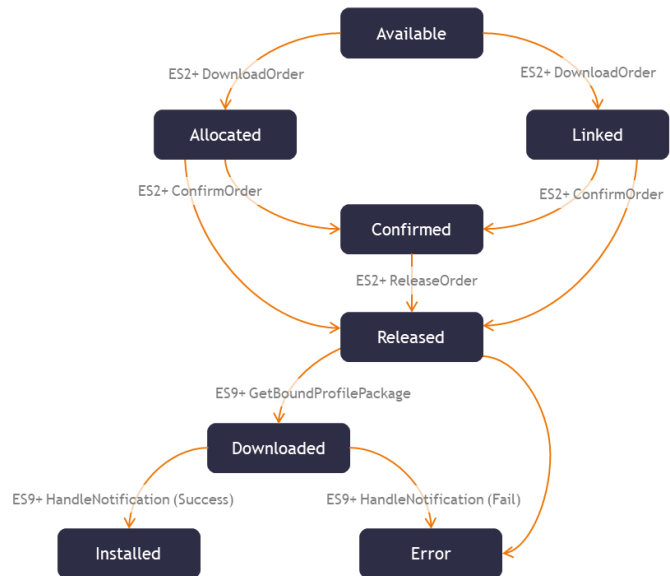


Compliant with:

- GSMA: Embedded SIM Task Force Requirements and Use Cases, Version 1.0
- GSMA: SGP.21 - RSP Architecture, Version 2.4
- GSMA: SGP.22 - RSP Technical Specification, Version 2.4
- GSMA: SGP.23 - RSP Test Specification, Version 1.12
- GSMA: SGP.24 - RSP Compliance Process, Version 2.4.4
- Trusted Connectivity Alliance (TCA): eUICC Profile Package - Interoperable Format Technical Specification, Version 3.2
- GSMA: FS.08 - GSMA SAS Standard for Subscription Manager Roles, Version 3.1
- GSMA: FS.09 - SAS-SM Methodology, Version 8.0
- GSMA: FS.18 - GSMA SAS Consolidated Security Requirements and Guidelines, Version 9.0

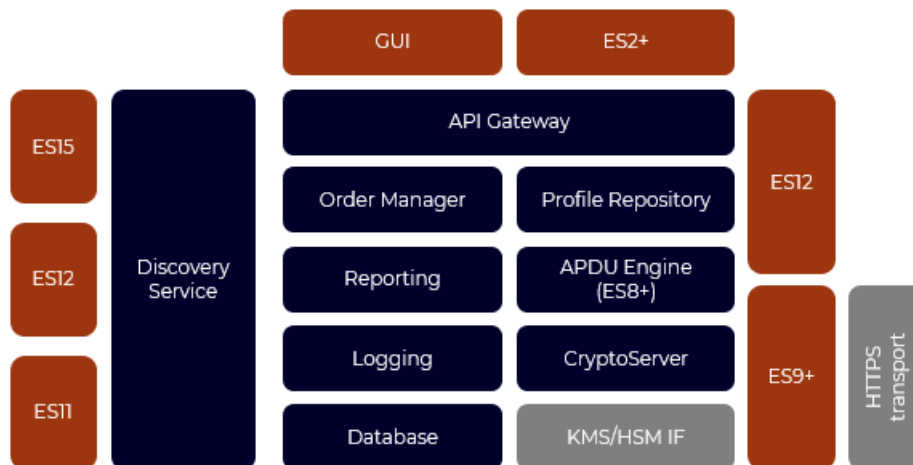
The management of the profile lifecycle for eSIM capable consumer devices requires the mandatory system component SM-DP+ (Subscription Manager Data Preparation + Transport).

Another system component, the SM-DS (Subscription Manager Discovery Server) can be used optionally, depending on which activation procedures are selected by the mobile network operator.



Supported options for profile activation:

- Pre-provisioning of default address in device
- QR Code-based (printed or electronic voucher)
- Automated profile discovery through integration of Discovery Service
- Carrier App specific to the MNO that is offering the eSIM



| Interface Off-card | End Points | GSMA Standard | Support | Comment |
|-----------------------|----------------|------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| ES2+ | MNO – SM-DP+ | yes | yes | The ES2+ interface is used by the operator to order profiles for specific eUICCs as well as other administrative functions |
| ES9+ | SM-DP+ - LPD | yes | yes | This interface is used to provide secure transport for the delivery of the encrypted Bound Profile Package between the SM-DP+ and the LPA (LPD) |
| ES11 | LDS – SM-DS | yes | yes | This interface allows the LDS to retrieve Event Records for the respective eUICC |
| ES12 | SM-DP+ - SM-DS | yes | yes | This interface allows any SM-DP+ to issue or remove Event Registrations on the SM-DS |
| ES15 | SM-DS – SM-DS | yes | yes | In the case of deployments with cascaded SM-DSs, the ES15 interface is used to connect the SM-DSs |

| Interface eUICC | End Points | GSMA Standard | Support | Comment |
|--------------------|----------------|------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ES8+ | SM-DP+ - eUICC | yes | yes | <p>This interface provides a secure end-to-end channel between the SM-DP+ and the eUICC for the administration of the ISD-P and the associated profile during download and installation</p> <p>achelos' SM-DP supports profile descriptions in the format defined by TCA (ex. SIMalliance) [Ref6]</p> |

For more information, visit:

connect.achelos.com

