

Who can access GSMA eSIM Discovery

30 April 2024

eSIM Discovery is provided to all eUICC equipped devices to retrieve the information on profile availability through the ES11 interface as outlined in SGP.21/.22

GSMA offers eSIM Discovery access directly or through an eSIM Discovery Service Provider partner for the use of ES12 interfaces. The ES12 interface is designed for the registration and removal of events by MNOs, MVNOs and Connectivity Resellers.

MNOs

MNOs are licensed to run mobile connectivity services and operate their Radio Access Network. The GSMA or an eSIM Discovery Service Provider partner can offer eSIM Discovery services directly to an MNO according to their operating licences. A MNO Group that has presence across multiple countries should subscribe to eSIM Discovery on a per country basis, regardless of their technical implementation (e.g. some MNO Groups opt to have one centralised system for all eSIM activities but other may have multiple systems per country.)

MVNOs

MVNOs have various forms of implementation when it comes to eSIM services. Some MVNOs have the option to enact their own system to deploy and manage their own eSIM, while other MVNOs rely on their hosting MNO for managing their eSIM system. If the MVNO manages its own SM-DP+ arrangement and control their eSIM related activities, then the GSMA or our eSIM Discovery Service Provider partner can provide eSIM Discovery directly. If the MVNO relies on their hosting MNO for eSIM related activities, then eSIM Discovery should be acquired by the hosting MNO, who will be able to submit a request to the GSMA on behalf of the MVNO.

Connectivity Resellers

Connectivity resellers purchase eSIM Profiles (or physical SIMs) in bulk for resell to IoT companies, or are IoT companies themselves. They may or may not maintain their own backend system. As for MVNOs, if the connectivity reseller manages the eSIM profile independently of the MNO/MVNO and has their own SM-DP+, then the GSMA or an eSIM Discovery Service Provider partner can provide eSIM Discovery services directly. If they rely on a MNO/MVNO, then eSIM Discovery should be acquired by the hosting MNO/MVNO, who will be able to submit a request to the GSMA on behalf of the connectivity reseller.

Wholly own subsidiaries

Wholly owned subsidiaries operating within the same country as their parent MNO/MVNO will be able to rely on the agreement between the GSMA and their parent.