Primary eSIM transfer using TS.43

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Note: The information shared in this document are subject to change

Current state of primary eSIM transfer in the TS.43 specification

1. TS.43 section/clause 8.8 defines a mechanism to transfer an eSIM profile from and old primary device to a new primary device:
   a. This mechanism doesn't take into account the cases where the old device was lost, stolen or broken.
   b. This mechanism doesn't provide a mechanism for the new device to transfer the token without user interaction on the old device (device turned on, device association, prompt, connection…).

2. There are some markets where Google confirmed it is acceptable to initiate a transfer from the new device without the old device being available, provided that:
   a. at some point in the past the old device had authenticated with the ECS
   b. the temporary authentication has limits in time

Proposed TS.43 Flow for transfer

The old device will store the necessary credentials and eSIM information to enable a transfer.

The new device will then obtain this information when the user a triggers the transfer process.

Initial transfer token retrieval with the old device.

ESIM transfer initiation by the new device using temporary token