

Standard Operating Procedure for eUICC Consumer Profile – Profile Type Setup Consumer RSP Platform

Version Control

Document Name	Version	Date
SOP for eUICC Consumer profile – Profile Type setup in the platform	v1.0	26-05-2022

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Revision History

Issue	Date	Reason for change
1.0	26-05-2022	First Release

Introduction

This document outlines the standard procedure for setting up eUICC (a.k.a eSIM) profile type in the GSMA consumer Remote SIM Provisioning platform. This is part of the consumer eSIM BAP process.

Pre-requisite:

- Profile setup Inputs –
 - Developer Notes which include
 - Destination platform details
 - Encryption Transport key label
 - ASN.1 profile
 - Transformation file
 - Profile technical specification including metadata
 - Provisioning data records
- Tools/Platforms –
 - Consumer Remote SIM Provisioning Platform

Roles and Responsibilities

Technical Consultant/Developer:

Please ensure below points should be covered before delivering fully developed profile package for validation:

SOP Reference: SOP_eUICC_Consumer_Profile_Development_v1.1

- To ensure that eUICC technical specification requirements for duly signed off by customer
- ASN.1 profile is duly tested using dedicated unit testing tools/options
- Developer notes are added with details for required profile type setup support for deployment engineer

Technical Engineer/Deployment:

Please ensure below points should be covered before delivering duly provisioned eSIM profiles after profile type setup and provisioning steps

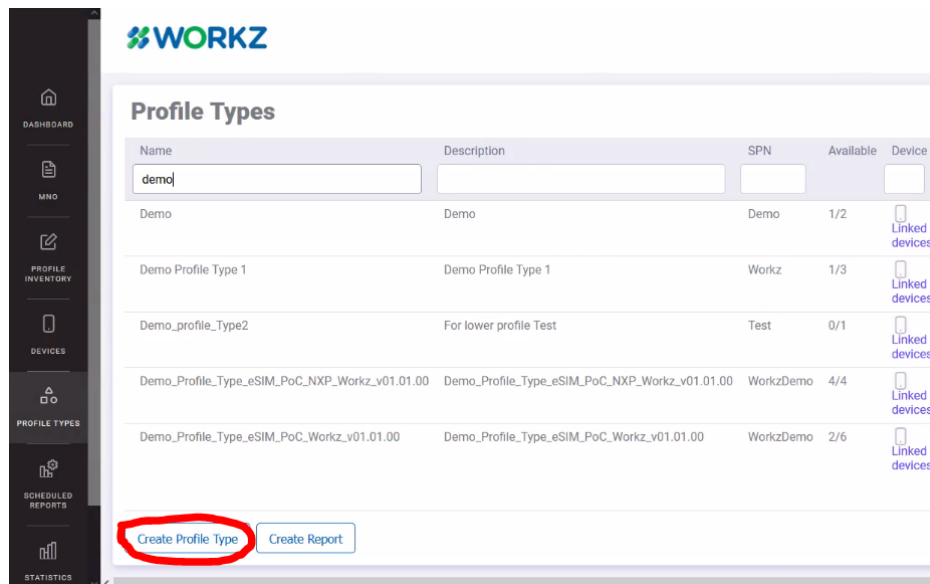
- To ensure profile type setup procedure outlined in this document is followed
- To ensure profile provisioning procedure outlined in this document is followed

Profile Type Setup & Provisioning

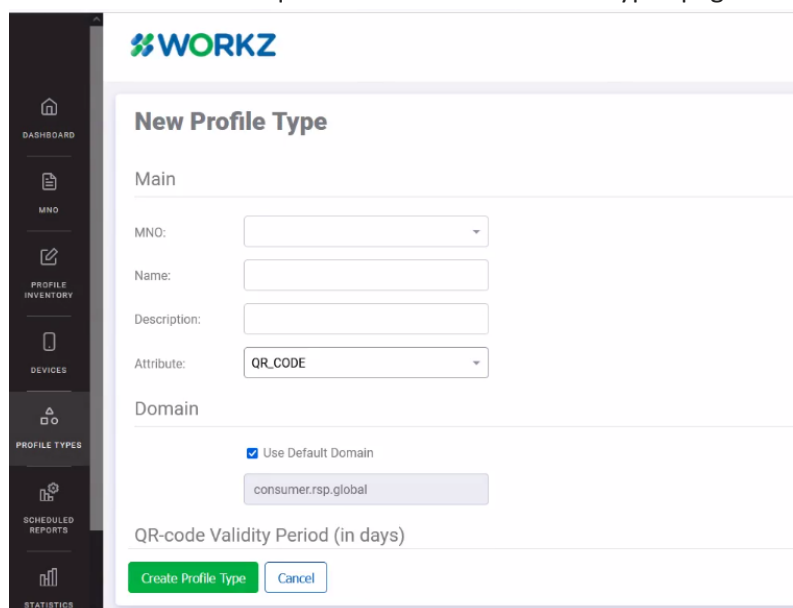
- Member of the deployment team creates a profile type in the platform. This is done using the ASN.1 profile (with variables) provided by the developer.

The following steps are performed for creating profile type in the target RSP platform

1. Login to RSP service provider interface with login credentials (Secure access from allowed office PC only)
2. The following address is applicable for respective platforms:
 - a. Dubai RSP Site: <https://10.6.3.111:5443/>
 - b. France RSP Site: <https://10.228.5.7:5443>
 - c. USA RSP Site: <https://10.147.5.6:5443/>
3. Use admin login credentials to login to service provider platform
4. Go to Profile Types -> and click on “Create Profile Type” Button



5. Enter the details as requested in the “New Profile Type” page



WORKZ

New Profile Type

Main

MNO:

Name:

Description:

Attribute:

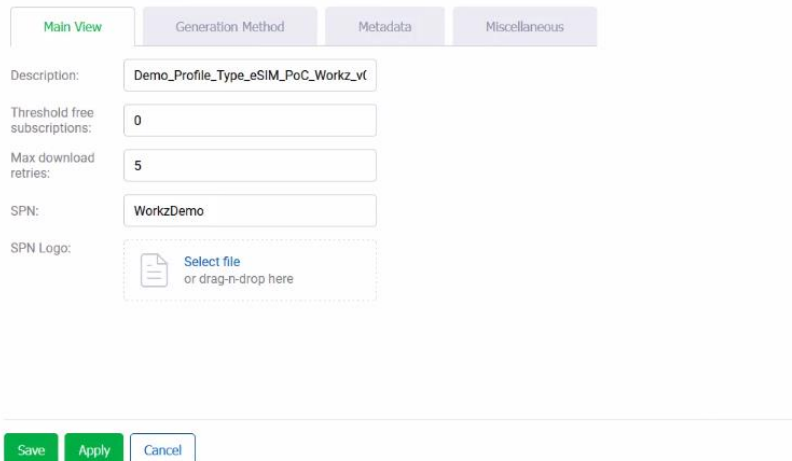
Domain

☒ Use Default Domain

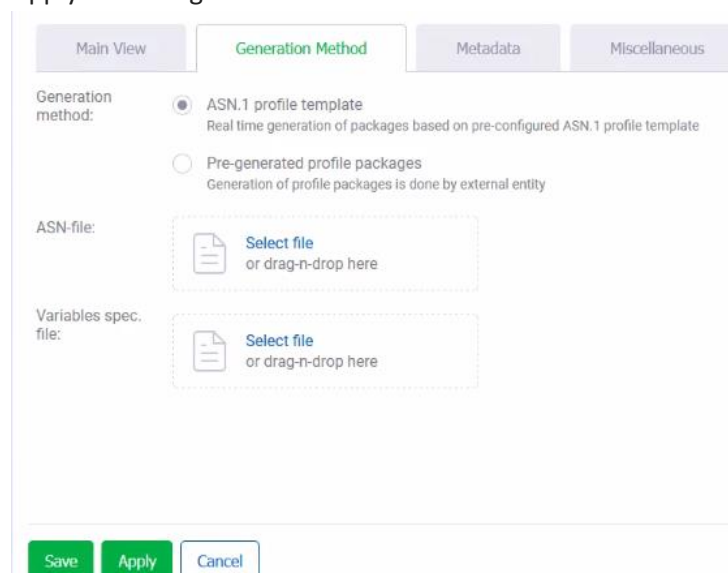
QR-code Validity Period (in days)

- a. MNO: Select the MNO name as specified in the developer instruction notes

- b. Name: Input the name of the profile type as specified in the developer instruction notes
 - c. Description: Input description of the profile type as specified in the developer instruction notes
 - d. Select attribute of profile type, as specified in the developer instruction notes (QR code by default)
 - e. QR code validity period: select the profile type QR code validity as specified in the developer instruction notes
 - f. Click on “Create Profile Type” button and continue
6. Input other Profile type information as per communicated in developer instruction notes

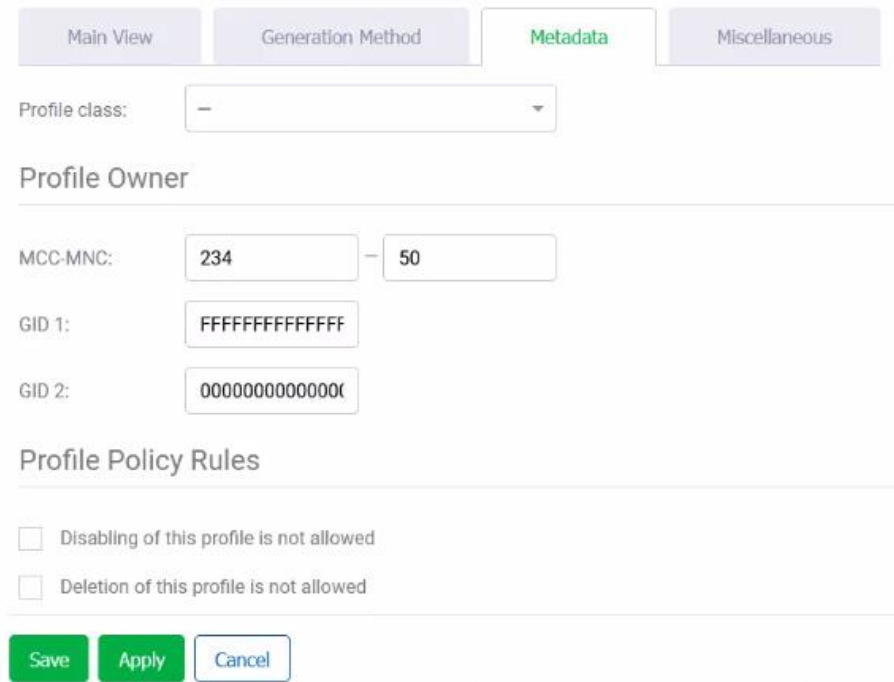


7. Input the applicable profile type configuration values for “Main View” tab
 - a. Threshold free subscription: Allowed level of minimum inventory level required for the profile type
 - b. Max download retries: Maximum number of downloads retries allowed
 - c. SPN: Service Provider Name to be displayed in the welcome page of eSIM device (applicable only for Android devices)
8. Apply the changes



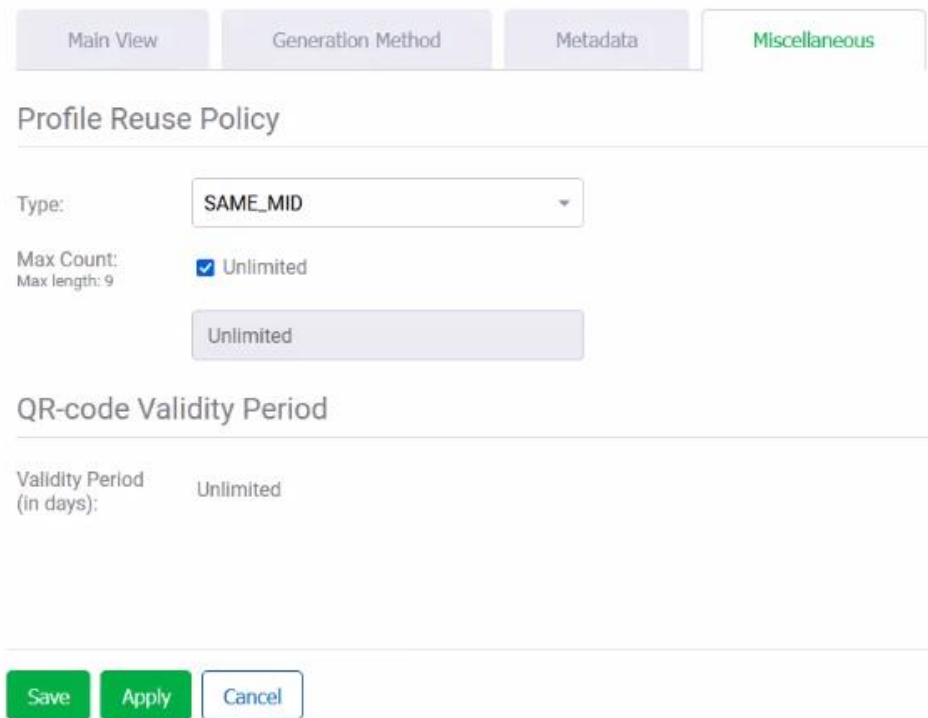
9. Input the applicable configuration values or “Generation Method” tab
 - a. Generation method: select ASN.1 profile template
 - b. ASN.1 file: select the duly tested ASN.1 file received from the developer

- c. Variable spec file: select the transformation file received from the developer
- The metadata/configuration details are to be picked from the eSIM Profile Technical Specification document placed in “Docs→01_Technical Requirement→02_Filled_by_Customer” folder.



The screenshot shows the 'Metadata' tab of a configuration interface. At the top are four tabs: 'Main View', 'Generation Method', 'Metadata' (highlighted in green), and 'Miscellaneous'. Below the tabs is a 'Profile class:' dropdown menu showing a minus sign. The 'Profile Owner' section contains three rows: 'MCC-MNC:' with input fields for '234' and '50'; 'GID 1:' with an input field containing 'FFFFFFFFFFFFFF'; and 'GID 2:' with an input field containing '0000000000000000'. The 'Profile Policy Rules' section has two unchecked checkboxes: 'Disabling of this profile is not allowed' and 'Deletion of this profile is not allowed'. At the bottom are three buttons: 'Save' (green), 'Apply' (green), and 'Cancel' (white with a blue border).

10. Input the applicable configuration values for “Metadata” tab as per gathered in the technical specification from customer
 - a. Profile class: “Operational” for all live profiles
 - b. MCC-MNC: according to value gathered in technical specification
 - c. GID1: GID1 value configured in EF_GID1 file
 - d. GID2: GID2 value configured in the EF_GID2 file
 - e. Profile Policy values: Keep unselected by default.
11. Apply the changes



Profile Reuse Policy

Type: SAME_MID

Max Count: ☒ Unlimited
Max length: 9

Unlimited

QR-code Validity Period

Validity Period (in days): Unlimited

Save Apply Cancel

12. Input the applicable configuration values for “Miscellaneous” tab

13. Profile re-use policy: Select one of the following

- Never: Re-download is not allowed
- SAME_EID_MID: Re-download allowed only to same device
- SAME_MID: Re-download allowed to any device

14. Apply the changes

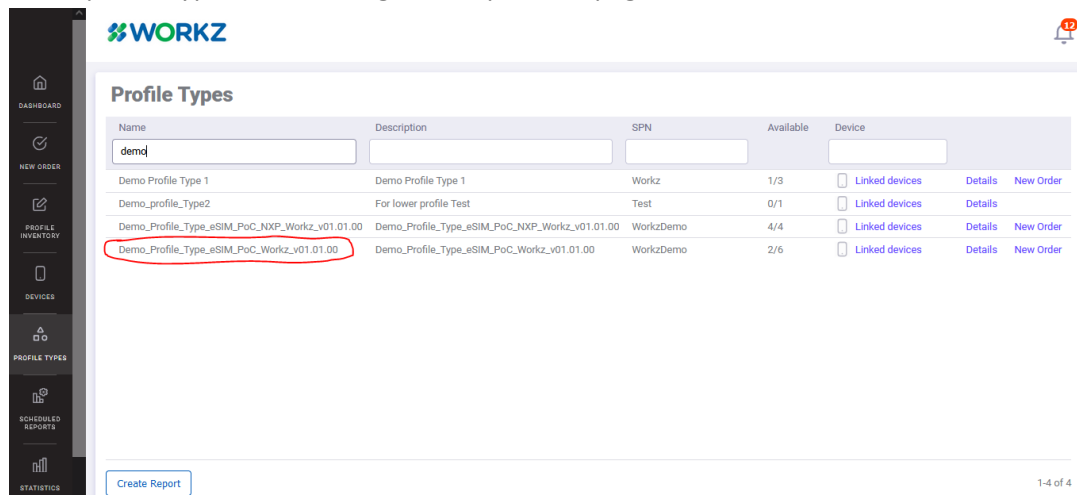
15. Save the changes

- One record from BAP generated data received from PDM team is to be provisioned in the platform.

1. Go to MNO portal for importing the eSIM record for provisioning, use the signed certificate received from IT

- Dubai Site: <https://consumer.rsp.global:6443>
- France Site: <https://consumer.rsp.world:6443>
- USA Site: <https://consumer.e-sim.global:6443/>

2. Select the profile type created using service provider page, click on “Details”



Name	Description	SPN	Available	Device
demo				
Demo Profile Type 1	Demo Profile Type 1	Workz	1/3	Linked devices Details New Order
Demo_profile_Type2	For lower profile Test	Test	0/1	Linked devices Details
Demo_Profile_Type_eSIM_PoC_NXP_Workz_v01.01.00	Demo_Profile_Type_eSIM_PoC_NXP_Workz_v01.01.00	WorkzDemo	4/4	Linked devices Details New Order
Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00	WorkzDemo	2/6	Linked devices Details New Order

Create Report

1-4 of 4

3. Select “Import pool of subscriptions (ICCID)”

Profile Type Detail

Main

Name: Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00
 Description: Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00
 Creation Date: 2022-04-14 13:25
 MNO: TESTMNO1
 Available: 2
 Total: 6
 Max Download Retries: 5
 Threshold Free Subscription: -
 SPN: WorkzDemo
 Attribute: QR_CODE
 ID: null

Profile Reuse Policy

Type: SAME_MID
 Max Count: Unlimited

Profile Owner

MCC-MNC: 234-50
 GID 1: FFFFFFFFFFFFFFFFFF
 GID 2: 000000000000000000

Buttons: Edit, Linked Devices: 0, Linked Profiles: 6, Download Template, Download Variables Spec., **Import pool of subscriptions (ICCID)**

4. Select the personalization record file (shared by Developer) using “Select file”

Import pool of subscriptions (ICCID)

Type of file: ☒ Upload ☐ Remote ☐ SFTP

Affected Profile Types: [Edit](#)

Upload file: [Select file](#) or drag-n-drop here

Relative File path:

Transport key label:

5. Confirm successful listing of ICCID profile in the inventory page

Profile Inventory

State	Profile Type	Device Type	EID	ICCID	IMEI	Last Operation Date	
DISABLED	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00		89049032000001000000020794792465	8944502105207001158	990012013682460	2022-05-11 17:32	Details
RELEASED	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00			8944502105207001125		2022-05-09 11:54	Details
RELEASED	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00			8944502105207001133		2022-04-21 11:21	Details
RELEASED	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00			8944502105207001117		2022-04-21 11:19	Details
AVAILABLE	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00			8944502105207001166		2022-04-14 13:29	Details New Order
AVAILABLE	Demo_Profile_Type_eSIM_PoC_Workz_v01.01.00			8944502105207001141		2022-04-14 13:29	Details New Order

- After completing above steps, the deployment team hands over the process to validation team along with LPA string/QR codes for the test profiles provisioned.

TITLE	SOP_eUICC_Consumer_Profile_Type_Setup_v1.0
FILE NAME	SOP_eUICC_Consume...pe_Setup_v1.0.pdf
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AUDIT TRAIL DATE FORMAT	DD / MM / YYYY
STATUS	● Signed

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