

On-Demand Provisioning Service

M2M Forum
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On-Demand Connectivity

Embedded MIM to meet all M2M device requirements



M2M Devices

- Industrial-grade quality
- Rugged hardware design
- Encapsulated or sealed
- Factory line assembling
- Factory quality testing



Embedded MIM

Embedded SIM

= *hardly accessible SIM (UICC) integrated in the M2M device*

with dedicated M2M features

➔ M2M-grade plug-in MIM

➔ M2M-grade soldered quad MIM

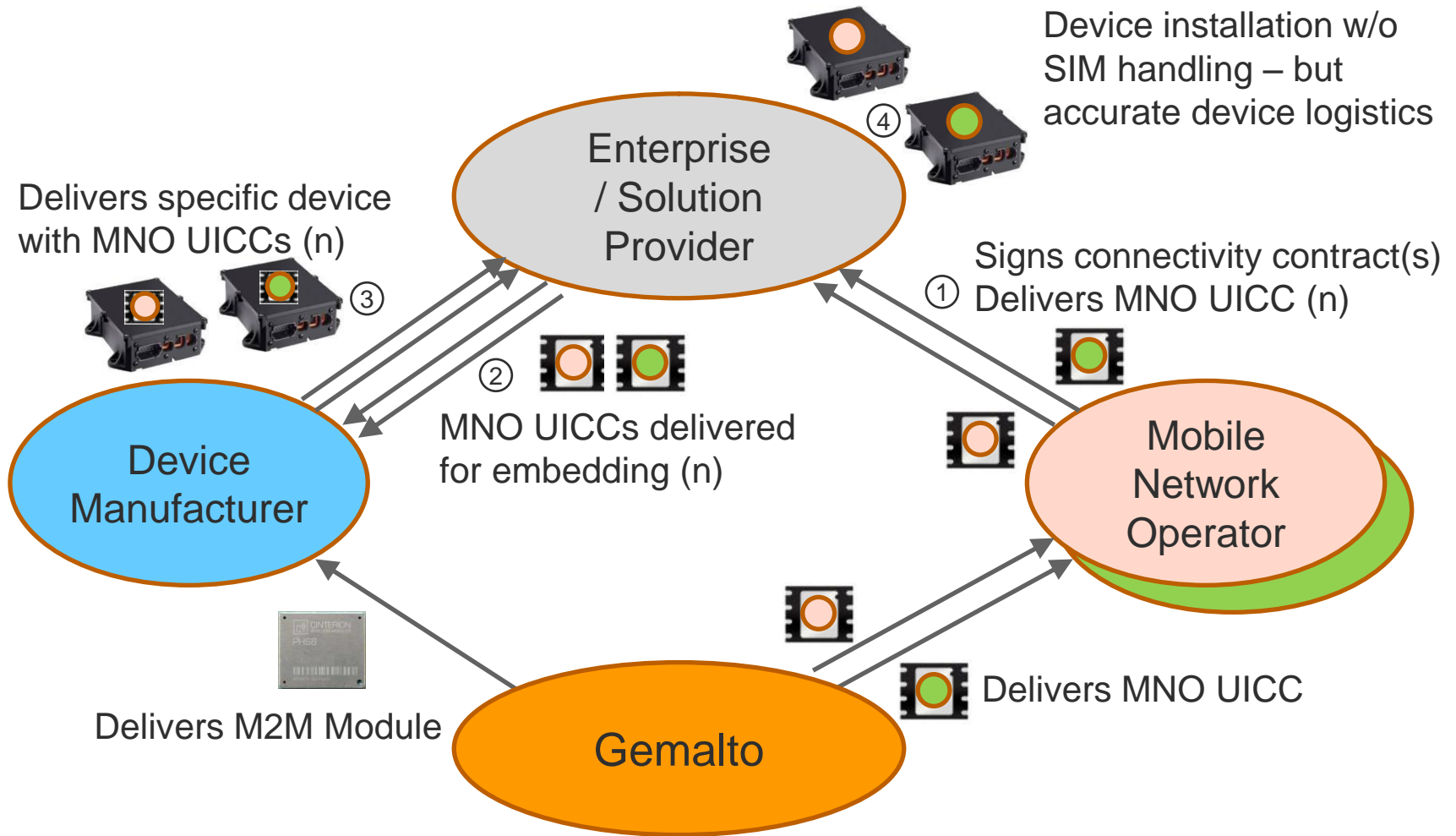
How to solve the subscription deployment issue



How to solve the subscription deployment issue



Current situation and limitations



Device manufacturing and delivery part is full linked to one specific customer project → MNO and SP dependent production and logistic

How to solve the subscription deployment issue



On-Demand Connectivity

Enables instant
data connectivity
on first use
of a device



Provides flexible
mobile subscription
management
throughout the entire
lifecycle

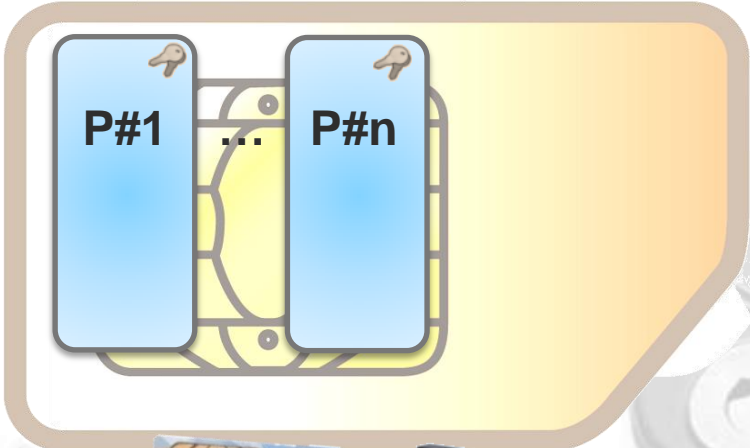
enable. connect. value.



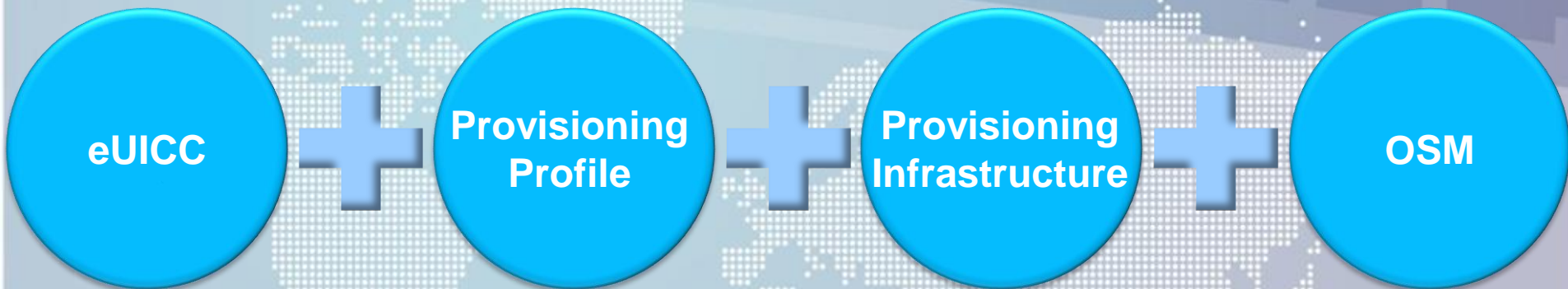
A solution for MNOs which facilitate deployment of connectivity towards customer devices

embedded UICC

On-Demand Subscription Manager



enable. **connect.** value.



On-Demand Provisioning Service (OPS):

A Gemalto service to facilitate deployment of operational connectivity based on customer's choice

Subscription management requires an eUICC

SIM for consumer devices

End user is handling the SIM

MIM for M2M devices

Enterprises / device manufactures are handling MIMs

Subscriber Identity Module



Packaging + Form Factor



Plug-in

Machine Identification Module



Plug-in



MFF2
(soldering)

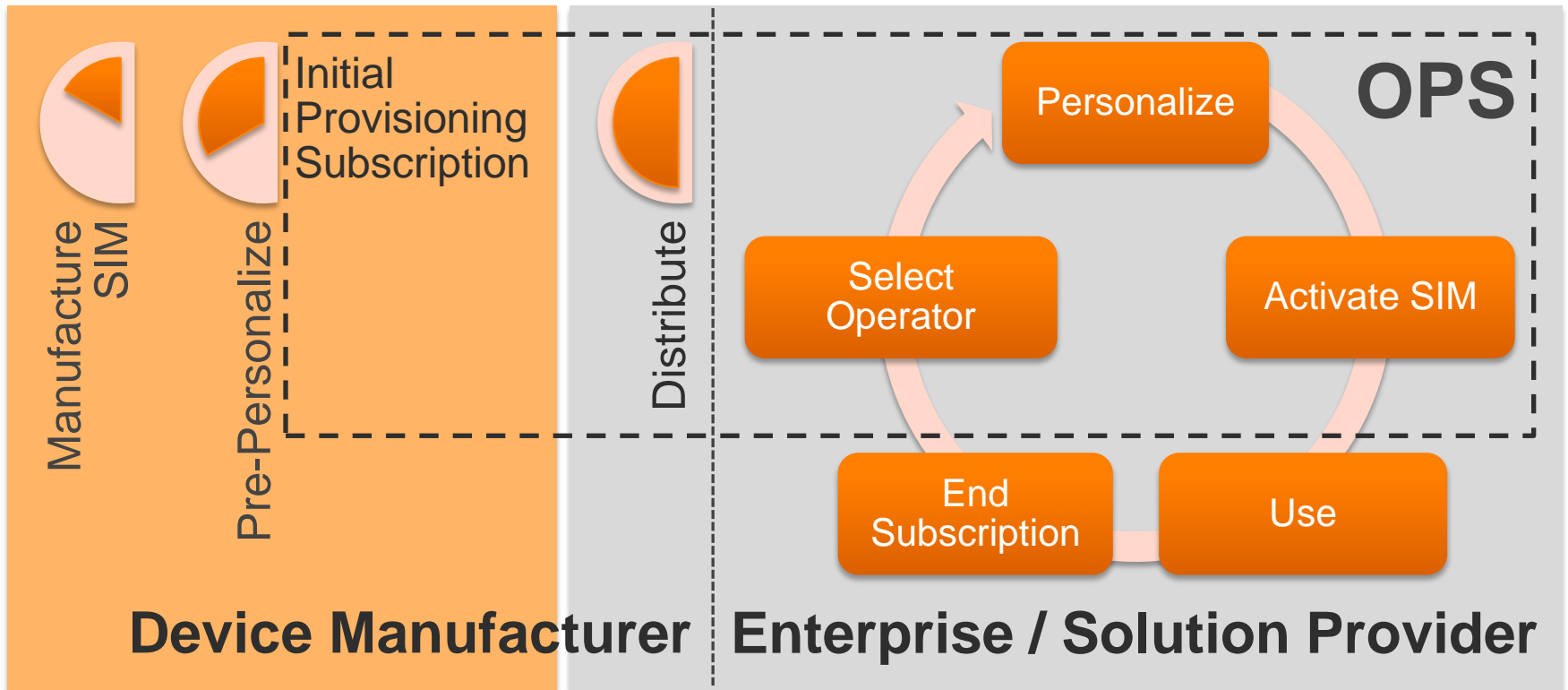
optional as

eUICC

UICC describes the physical chip card which can contain a SIM/USIM application

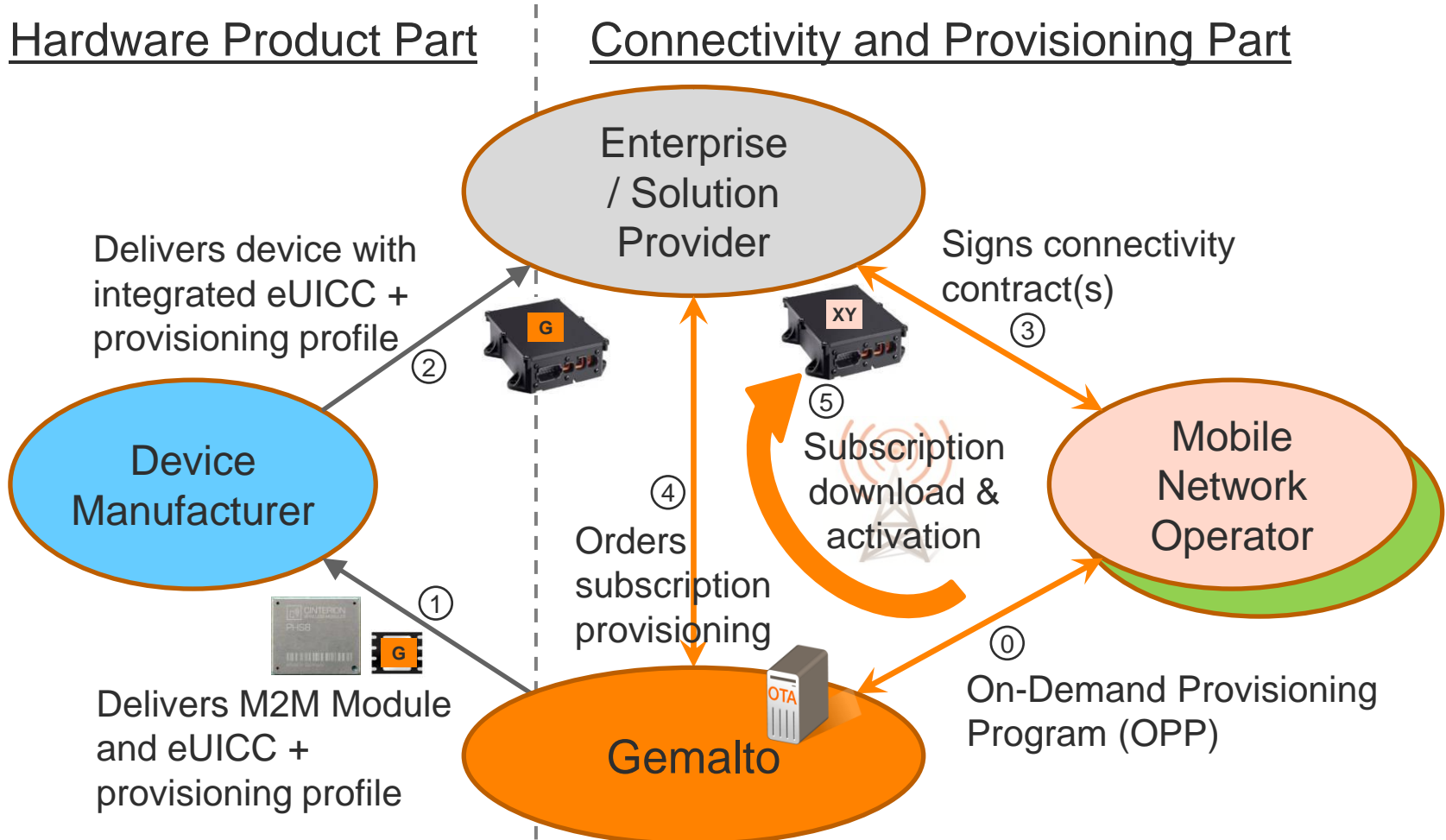
eUICC (embedded UICC) is a specific functionality of a SIM/MIM which allows to run remote provisioning services

Uncoupling of high volume device manufacturing from connectivity selection and provisioning



Gemalto supports device manufacturer and enterprises to optimize manufacturing and deployment by innovative subscription management and provisioning services

On-Demand Provisioning Service: M2M Use Case



Gemalto is acting as specialized **M2M Hardware Provider** as well as **Provisioning Service Provider** for the M2M and CE market

Advantages of Gemalto subscription management and Provisioning Service

Device Manufacturer

- ✦ Volume production of MNO-independent devices with embedded SIM
- ✦ Reduction of factory time and manual processes
- ✦ Device sealing and testing in factory
- ✦ Less device variances and improve inventory
- ✦ Improved field installation and warranty

Enterprise / Solution Provider

- ✦ Selection of regional MNOs to optimize connectivity costs
- ✦ Fully automated remote deployment of subscriptions based on customer rules
- ✦ Simplified device logistic
- ✦ Increased efficiency and reduction of deployment costs
- ✦ No SIM card handling and no misuse/loss of SIMs



On-Demand Provisioning Service

Next generation of mobile subscription deployment for connected devices and IoT

Imagine a scenario where solution providers can ship and install connected devices anywhere without physically handling a SIM card. Where the specific credentials to use a mobile network are securely "beamed" on-demand directly inside a deeply embedded SIM chip. It may sound like science fiction, but it isn't. Embedded UICCs (eUICC) and Gemalto's On-Demand Provisioning Service can now help device manufacturers produce cellular connected devices with pre-embedded, ruggedized M2M while also allowing solution providers to remotely provision the subscription profile of their preferred mobile network operator into their devices directly after deployment in the field.



Please download the white paper here:
<http://m2m.gemalto.com/news-info/whitepapers.html>

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