

MODRNA WG

The interface of MODRNA (Mobile Profile
of OpenID Connect) and GSMA Mobile
Connect

<http://openid.net/wg/mobile/>

October 28, 2020

Bjorn Hjelm

Verizon

John Bradley

Yubico



Purpose

- **Support** GSMA technical development of Mobile Connect
 - **Enable** Mobile Network Operators (MNOs) to become Identity Providers
 - **Developing** (1) a profile of and (2) an extension to OpenID Connect for use by MNOs providing identity services.
-

Participants and Contributors

verizon[✓]

yubico

moneyhub
enterprise 

■ ■ ■ **T** ■ ■ Deutsche
Telekom

orangeTM

T-Mobile[®]

 telenor

Telefonica

U **UBISECURE**TM

T **TELSTRA**

 **PingIdentity**[®]

 **PSG | Solutions**



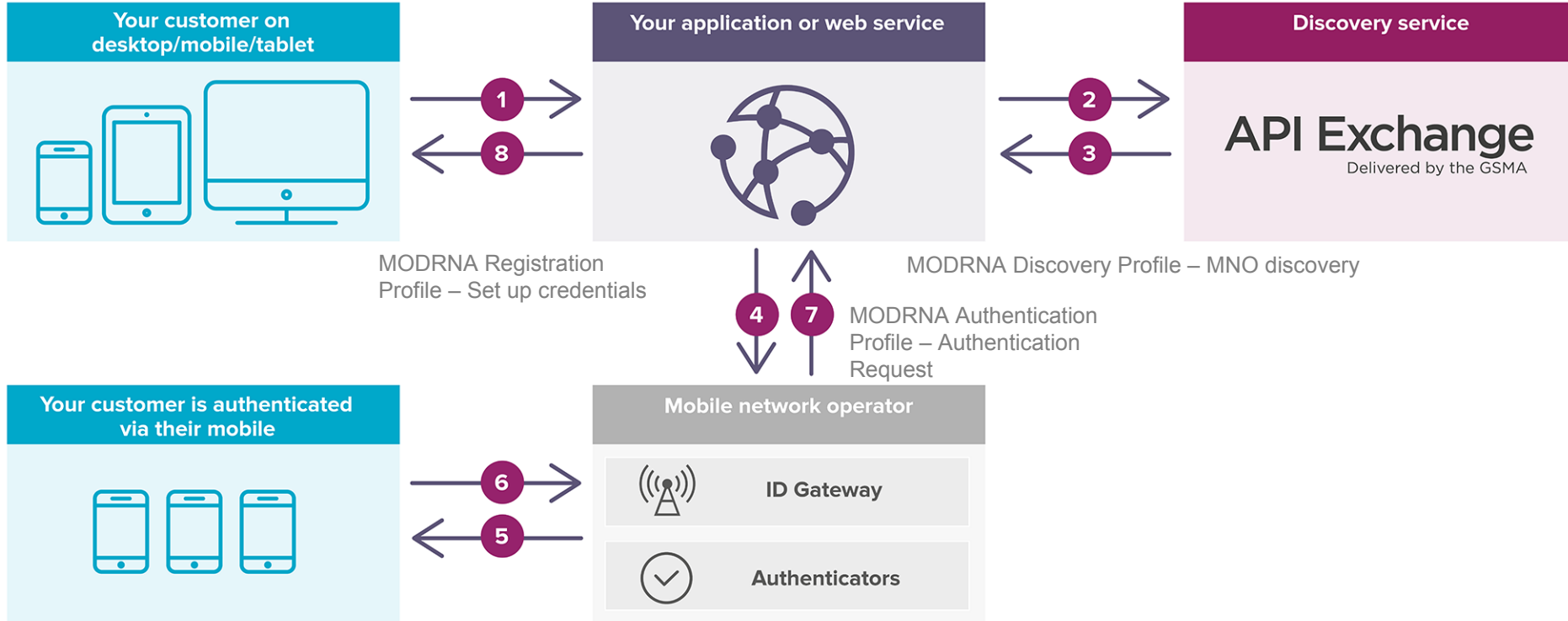
AUTHLETE

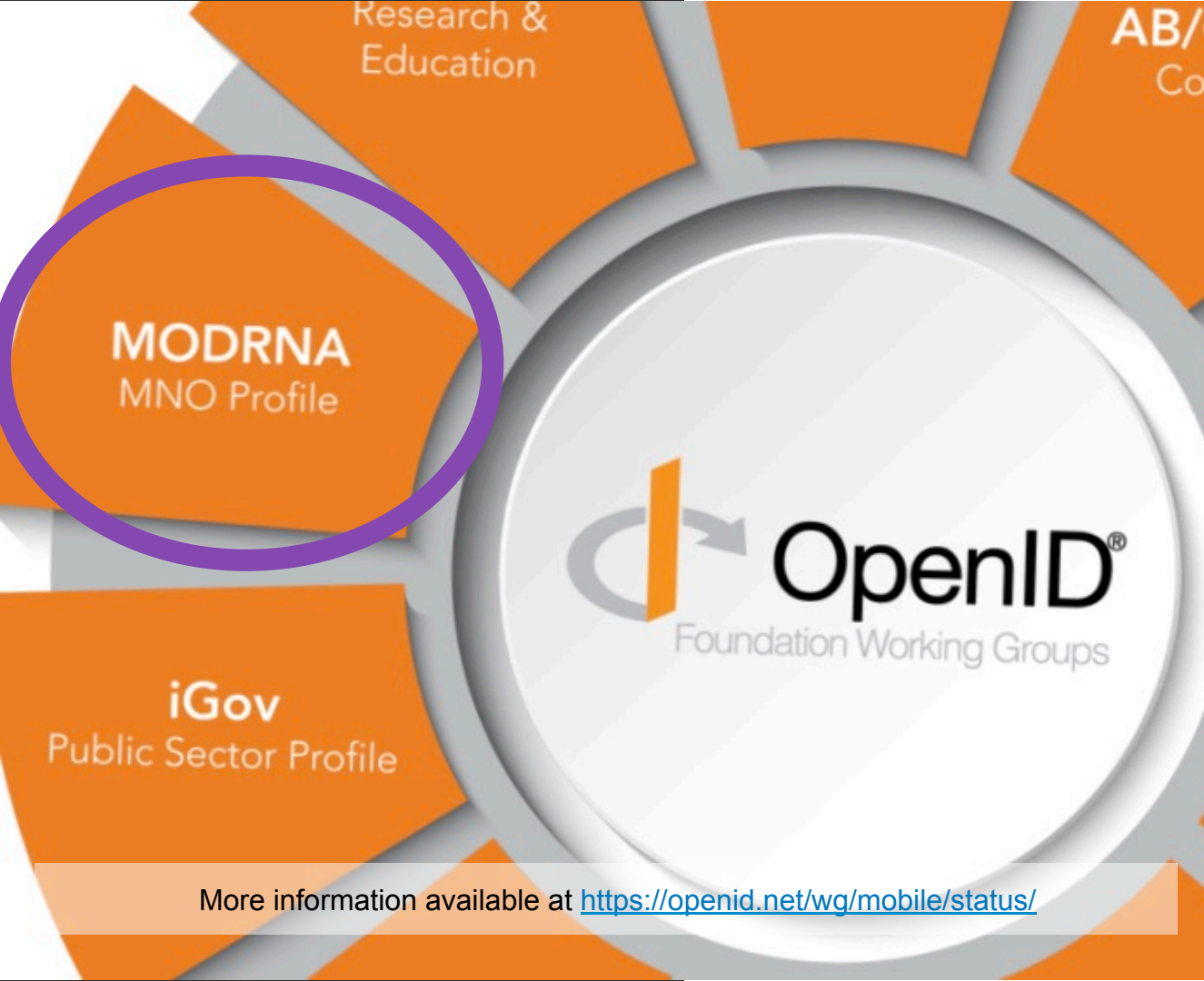
What is Mobile Connect

- Mobile phone numbers as user identifier.
- Mobile phone number as authenticator.
- MNO (Mobile Network Operator) as authentication/identity provider.
- Replace passwords and hardware security tokens.



Mobile Connect – How It Works





Working Group Status

- **Four** specifications in **Implementer's Draft** status.
 - Authentication Profile, Account Porting, User Questioning API, CIBA Core.
- **Preparing** for second Implementer's Draft of **User Questioning API** specification.
- Advancing several specifications to Implementer's Draft.
 - MODRNA CIBA Profile, Discovery Profile and Registration Profile.
- Preparing for **OpenID Certification** of several profile specifications.

More information available at <https://openid.net/wg/mobile/status/>



MODRNA WG Collaborations and Outreach



1

*Evolution of **Mobile Connect** architecture, functionality and identity services.*

2

***RCS** (Rich Communications Services) services support for OpenID Connect.*

3

Configuration of device-based services with embedded SIM (ODSA, C-V2X) leveraging OpenID Connect for authentication.



- **Mobile Connect Interest Group (MCIG)** replaced the previous efforts provided by the **GSMA Identity Program**.
 - MCIG is a forum for GSMA members to collaborate on matters **relating to the operation and commercial growth** of Mobile Connect and Identity services.
- The **MCIG Technical subgroup (TSG)** is responsible for maintaining the **MC Product and Core framework specifications**.
- **Joint OpenID Foundation** – GSMA MCIG **workshop** planned for this fall.
- Joint discussions with GSMA on **OpenID Foundation** taking more ownership of the Mobile Connect technical development.

3GPP Mission Critical Services

3GPP (Third Generation Partnership Project) Mission Critical (MC) services support PSA (Public Safety Agencies) and other critical communications.

Identity management is part of MC system security architecture and OpenID Connect MCX Profile is used for user authentication.

Development of SEAL (Service Enabler Architecture Layer) to support vertical applications (such as V2X) services is based on MC architecture.



Identity Management is a common capability supporting **mission critical** and other **vertical applications**.



Create the future together.
