Digital identity as a key enabler for e-government services

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THE FUTURE OF DIGITAL IDENTITY
A global opportunity for governments, inter-governmental forums and other stakeholders

- Digital identity can help governments to empower citizens and build a more connected digital society both in developing and developed countries
- Governments around the globe, are leading a digital transformation through digital identity
- Despite that the methods of proving identity remain fragmented and fail to address core citizen’s needs

For a secure, scalable, convenient and privacy enhancing solution
Today, digital identity is seen as an opportunity to drive transformational change for citizens, businesses and public administrations

The adoption of mobile technology for digital identity solutions across governments support and enhance government performance and delivery and promote a more connected society both at national and cross-border level

**Unlocking the value of the digital economy globally**

**Enabled by trusted digital identity**

- $50bn Global annual savings by 2020
- $522bn Wider economic benefits by 2020

**Through digital and technology transformation**

- $2.5bn annual savings in 2014-15 in the UK
Empower citizens, build trust and awareness

Worldwide consumers expectations to exercise choice and control over their data when accessing digital services are raising continuously.

A user-centric approach that places the individual at the heart of digital identity and puts them in control of when, how and if they wish to assert their identities online, is paramount.

82% of consumers worldwide would like to know when personal information, and what type of information, is being collected.

74% of EU consumers want to give their specific approval before any kind of personal data is collected and processed.

18% feel in control of the information shared.

Sources: GSMA Consumer Research 2015, EC Special Eurobarometer 359
Digital identity is becoming a priority also of low income developing countries both as a primary **source of identification** and an opportunity to foster **digital inclusion through authentication and other trust services**.

> The widespread lack of ID in developing countries is a critical stumbling block to national growth. Digital ID combined with the already extensive use of mobile devices in the developing world, offers a transformative solution to the problem.

-- *ID4D, World Bank Group*

<table>
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<th>1.5bn</th>
<th>unregistered people who lack access to formal identification and are socially, economically and politically excluded</th>
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<td>$20bn</td>
<td>estimated savings realised by electronic welfare payments equivalent to 1% of GDP a year in India</td>
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<td>40%</td>
<td>births in Africa and Asia that are unregistered</td>
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Need of alignment between public and private sector to ensure proportionality between cost efficiency, scale and adoption.
Existing International models to digital identity

**Model 1:** Self asserted open digital identity frameworks

**Model 2:** Hybrid models based on multi-identity federated frameworks across identity providers

**Model 3:** Multi channel/infrastructure digital identity based on national eID schemes

**Model 4:** Other Hybrid models / e.g. based on verified attribute exchange

Mobile Connect has the reach, flexibility and security to integrate into all these digital identity systems, but mainly focuses on models 2, 3 and 4.
The longer-term opportunity lies in building out a wider set of identity services across public and private sector use cases.

Digital Identity Assurance
A roadmap to unlock the potential of the digital economy

Personal Data
Robust database and minimum identity attributes that uniquely represents an individual

Dependencies examples:
- Foundational identity systems
- Civil registration systems or a combination of unique (regulated) identifiers and other complementary attributes

Mobile Connect enable various identity related services
- Access to financial services
- Access to government services
- Access to healthcare
- Access to education
- Access to formal employment

Legal identity
Hard identity
- remote or in person identity Proofing
Soft identity
Anonymous identity

Digital identification (PIN+ W-PKI)
Attributes
Two-factor Authentication (Enter PIN)

Authentication
Mobile Connect brings strong benefits for both the public and private Sector

- **Simple user experience**, on a device that citizens already carry with them
- Frictionless login encourages citizens to access government services more often.

- **Flexible security** helps protect citizens’ accounts and personal details.
- Compliant with regulatory requirements on authentication, aligned with the International security standards.
- Outspoken privacy focus, preserves citizens’ trust and aligned with government priorities

- **Cost effective**, no need for additional devices or readers
- **Efficient and ubiquitous solution**, working across public and private sector

- Enables new digital public and private services improving citizens’ daily life
- Easy-to-use digital identity is a key enabler to build a more connected society and enhance digital inclusion

- **Mobile operators** work with digital service providers are the ideal partners to create a trustworthy ecosystem
- Drives scale and ensures national and international inter-operability