Mobile-ID: Powering Inclusive and Secure Digital Ecosystems

B.EST SOLUTIONS

Identity is the cornerstone of any digital society, and today that identity must be mobile. According to the ITU, 78% of people aged 10+ worldwide own a mobile phone, making it the most universal and inclusive channel to embed digital trust into everyday life.

Mobile-ID is a government-backed digital identity stored on a **SIM, eSIM, or secure cloud,** enabling every citizen and business to

- **Log in securely** to e-services (strong authentication)
- **Sign** with legally binding digital signatures
- **Encrypt and decrypt** data and documents

THREE PROVEN MOBILE-ID TECHNOLOGIES:

1. SIM-based Mobile-ID

- Works on **any mobile phone,** even feature phones.
- Certificates stored on the SIM, accessed with a simple **PIN.**
- Inclusive: s**upports rural and low-literacy users** via SMS, or voice menus.
- **Proven at scale:** powers 95% of all e-Gov services in Azerbaijan and used in Estonia since ~2007, with no major reported fraud incidents.

2. eSIM-based Mobile-ID

- Uses built-in **eSIM chips** in smartphones.
- Enables **remote onboarding** – no physical office visits required.
- Future-ready: over **8 billion eSIM devices expected by 2030.**
- Tailored for **youth, urban populations, and entrepreneurs.**

3. Cloud-based Mobile-ID (mID+)

- Keys stored in **government-Certified secure cloud** (EU eIDAS QSCD compliant).
- Works **seamlessly** across devices: smartphone, tablet, PC.
- Unlocks advanced use cases: **online banking, digital trade, and mResidency.**

SECURITY & TECHNOLOGY

Strong, multi-factor security - Combining something you have (SIM/eSIM), something you know (PIN), and something you are (biometrics) to protect every transaction.

PKI trust at the core - Built on robust Public Key Infrastructure, compliant with **international standards (ETSI, ISO, NIST)** to ensure cross-border interoperability.

Future-proof with quantum readiness - Crypto-agile architecture enables a step-by-step transition to **post-quantum security,** protecting investments for decades ahead.

Legally binding trust - Mobile-ID digital signatures meet the highest legal standards, providing a secure and compliant foundation for digital societies worldwide.

Examples e-Services with Mobile-ID

- **Government:** access public services such as taxes, customs, social security, justice, healthcare, and education.
- **Business:** enable company registration, contract signing, KYC/KYB/AML compliance, and cross-border e-trade.
- **Everyday life:** simplify daily needs to open a bank account online, shop securely via e-commerce, use telemedicine prescriptions, manage insurance, or take university exams digitally.

MOBILE-ID BENEFITS THE WHOLE DIGITAL SOCIETY

For Citizens
- Access services even in **rural area**s with low-literacy.
- Voice-based and simple PIN solutions ensure **inclusion for all.**
- Stronger security and privacy, reducing fraud.
- Seamless use across borders for work, study, and travel.

For Businesses
- Digital contracts and legally valid e-signatures reduce paperwork.
- Faster KYC/KYB/AML compliance and client onboarding.
- Secure, cost-effective B2B, B2G and B2C interactions. 24/7 digital services build trust and competitiveness.

For Government
- Efficiency & cost savings - every digital signature saves time and money, in Azerbaijan: >500M digital transactions, each saving ≈ $1
- Transparency and anti-corruption through auditable digital processes. Accelerated nationwide digital adoption.
- Alignment with global best practices and international standards (e.g. OECD, UN, ISO, ETSI).

B.EST SOLUTIONS: TRUSTED GLOBALLY, PROVEN LOCALLY

- **Azerbaijan (Asan İmza)** - 95% of e-government services connected; 100% of tax and custom declarations fully digital; home of the **world's first nationwide eSIM-based Mobile Identity** and the **first Mobile-ID-based m-Residency program implemented as a Public-Private Partnership (PPP)**
- **Estonia:** A global example of a digital society and early Mobile-ID pioneer
- **Awards & Recognition:** UN, OECD, Google, Financial Times, NIST, U.S. State Department

mID **MOBILE-ID IS MORE THAN TECHNOLOGY– IT IS THE FOUNDATION OF TRUSTED DIGITAL ECONOMIES.**

INCLUSIVE DIGITAL TRANSFORMATION WITH MOBILE-ID

By deploying **SIM, eSIM,and Cloud Mobile-ID** in parallel, digital economies can:

- Ensure **rural access and social inclusion.**
- Drive **urban innovation and entrepreneurship.**
- Unlock **cross-border digital trade and cooperation.**

THIS IS HOW EVERY CITIZEN, EVERY BUSINESS, EVERYWHERE CAN PARTICIPATE IN A NATION'S DIGITAL TRANSFORMATION.

At **B.EST Solutions**, we are not only delivering technology - we are **shaping trusted, inclusive, and future-ready digital societies.**

Contact us today to explore how we can support your journey toward innovation, efficiency, and impact!

GET IN TOUCH

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