

歓迎

eID and eSignature in Austria

Herbert.Leitold@a-sit.at

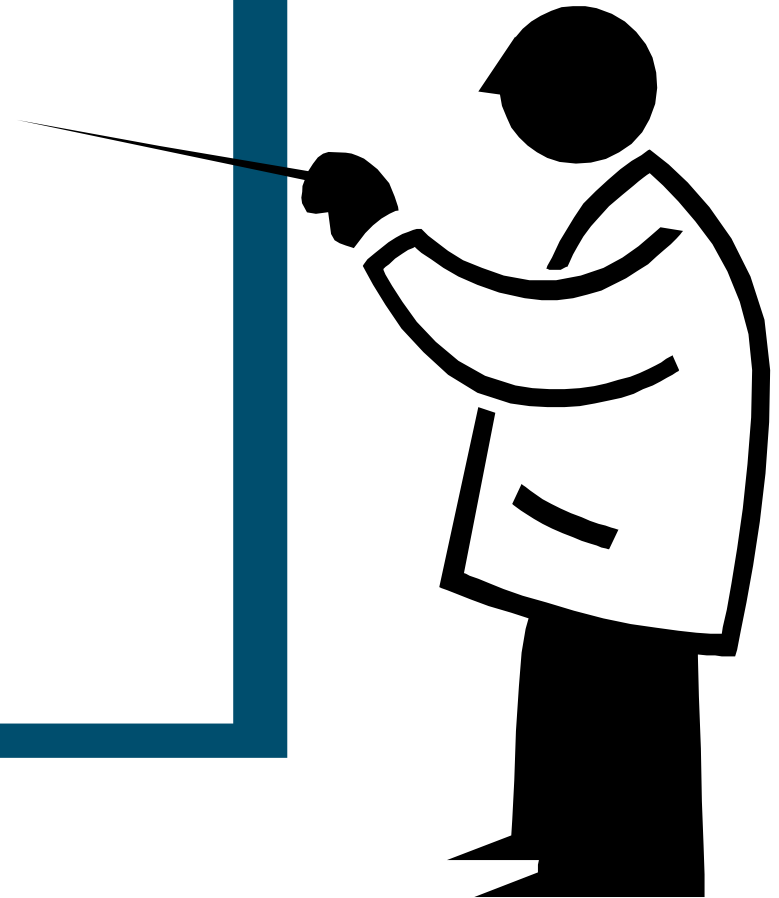
Meeting with Japanese Delegation
Vienna, October 1st, 2019

Distinction „Citizen Card“ and „E-ID“

- Current eID (2005-2019) called „*Citizen Card*“
 - but not necessarily a „card“
 - smartcards as eID were actually no success
 - Re-designed in 2018/2019 taking experience into account, as well as EU eIDAS Regulation
 - *Presentation by Herbert Leitold*
- Future eID (from 2020-...) called „*E-ID*“
 - Cards have no longer a role
 - *Presentation by Arne Tauber*

Contents

- Austrian eID History
- Technology and Use
- Responses to questions
- The Upcoming E-ID



Austrian eID / eSignature Infrastructure

- Gvmt. eSignatures / eSeal broadly used
 - e.g. Federal Laws electr. signed since 2004
 - e.g. each Administrative Ruling since 2008
 - e.g. lawyers' archives / notaries' archives

- Citizens' signatures closely related to citizen eID
 - Gives a broad deployment of tokens
 - Population's full coverage of (several) tokens
 - Activation by citizens voluntary (except for a few professions)
 - Activation free of charge

Austrian Citizen Card - an Overview

- Launched 2003, mass-rollouts from 2005
- Defines functions, not the technology
 - Identification, *sector-specific to enhance privacy*
 - Qualified signatures, *for written form*
 - Electronic mandates, *representation*
- Technology-neutral approach allowed for different implementations
 - Smartcards and mobile from 2005

The technologies

Smartcard



Bank cards
SSCD from 2005; ceased

Health insurance card
SSCD/QSCD since 2005

Profession cards,
service cards,
*e.g. ministries
lawyers, notaries*

*the ID-card
is no eID (no chip yet)*

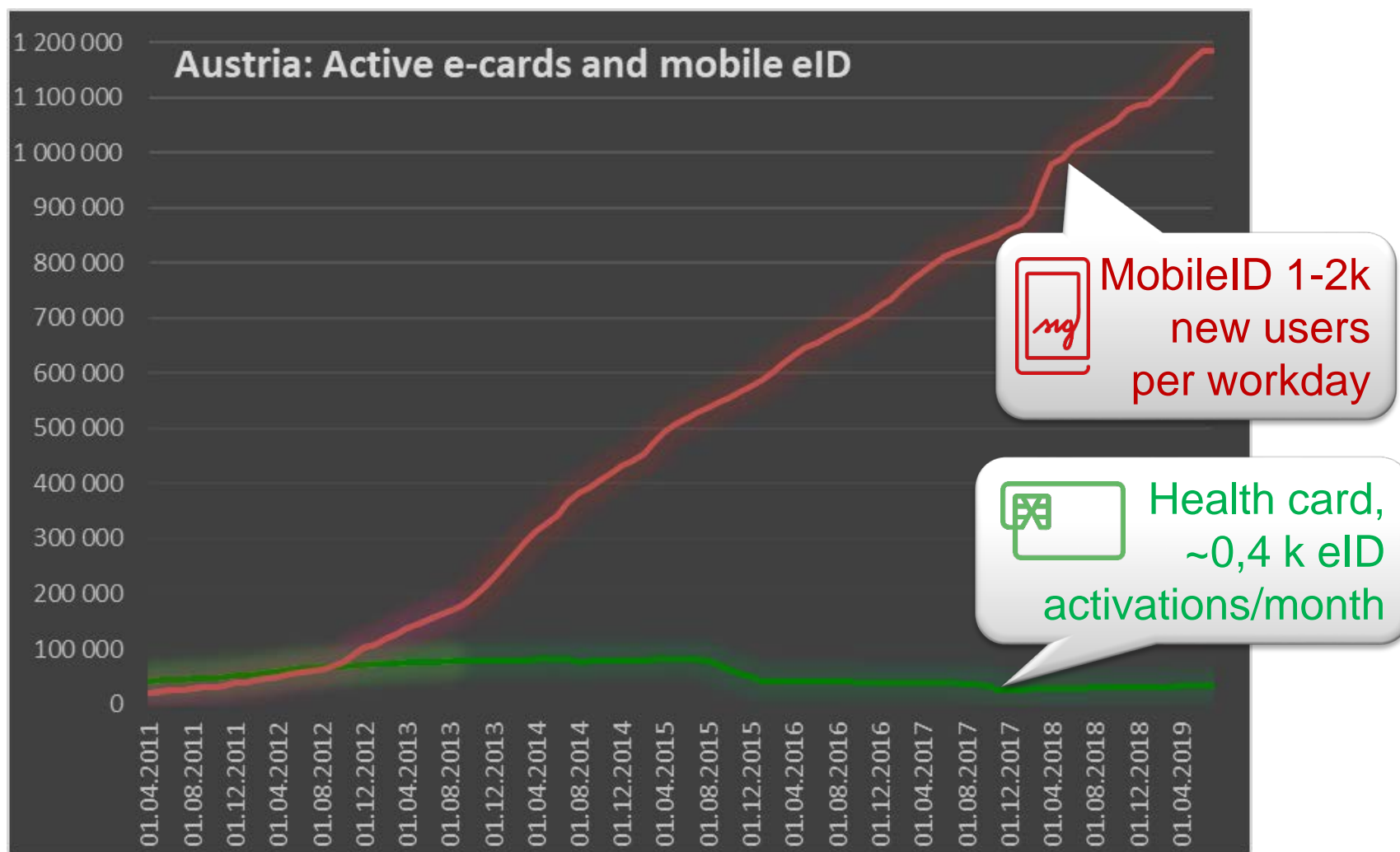
Mobile



A1 signature
*service by a MNO from 2005
(no SSCD); ceased 2008,
limited success*

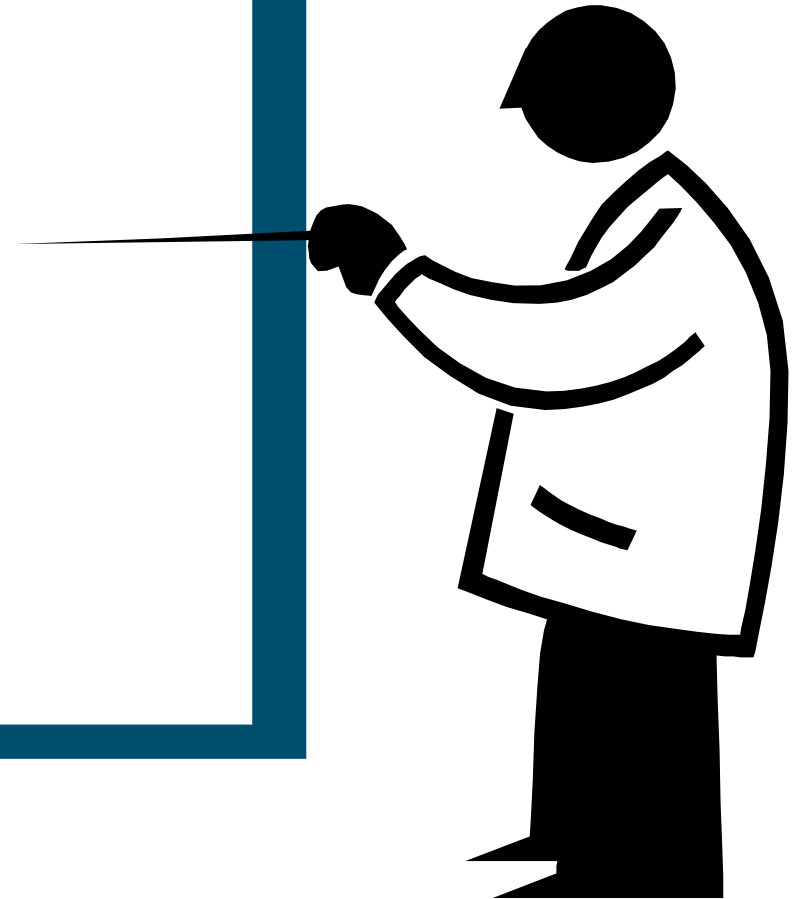
Mobile phone signature
*Launched as QSCD end of
2009 through LSP STORK
Contracted by gvmnt. to a
private sector QTSP
Success? Well, let's see ...*

Austria: Card vs mobile ID active users

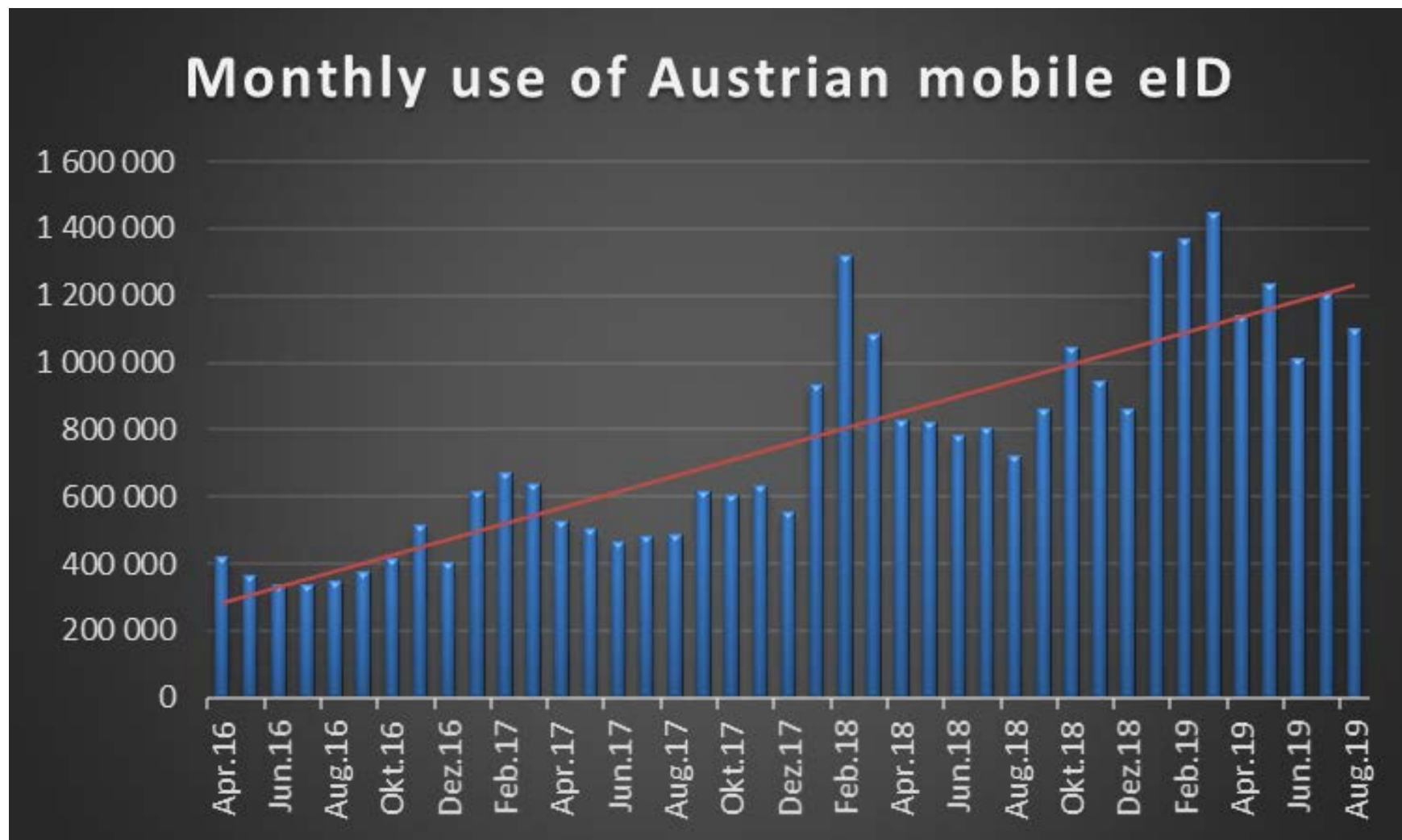


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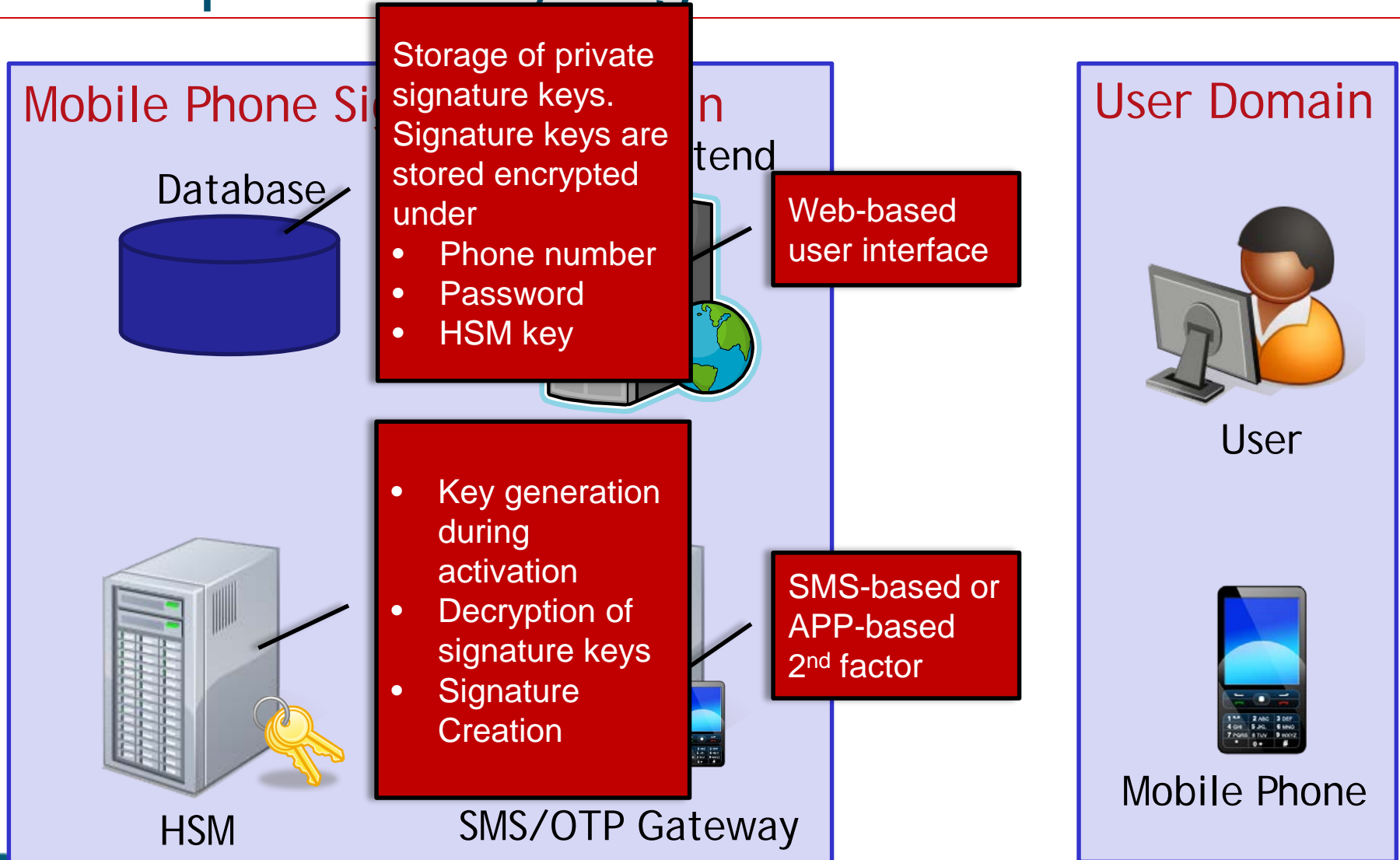
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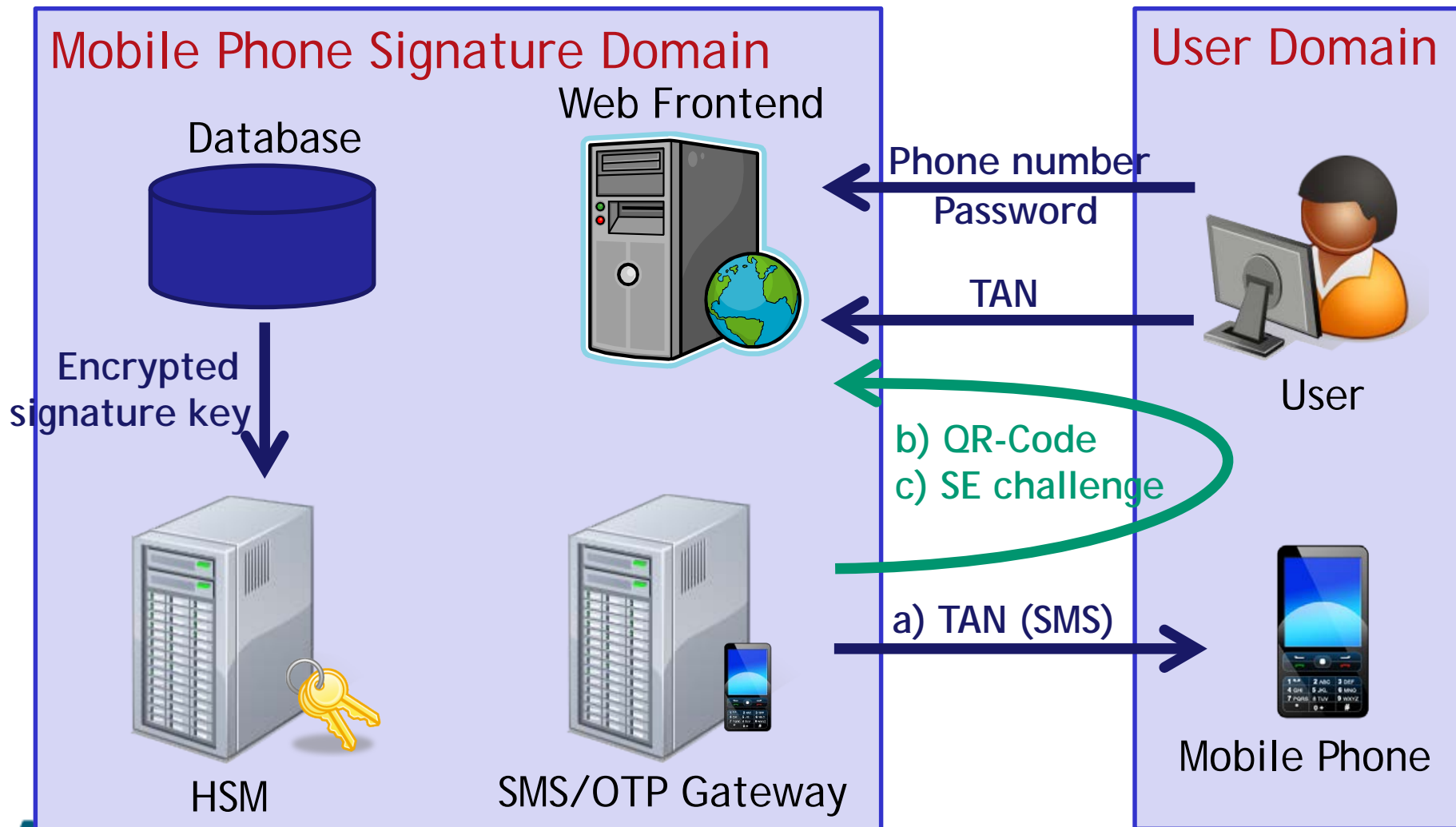
Austria: Mobile eID monthly use



Example “Handy-Signatur”: Architecture

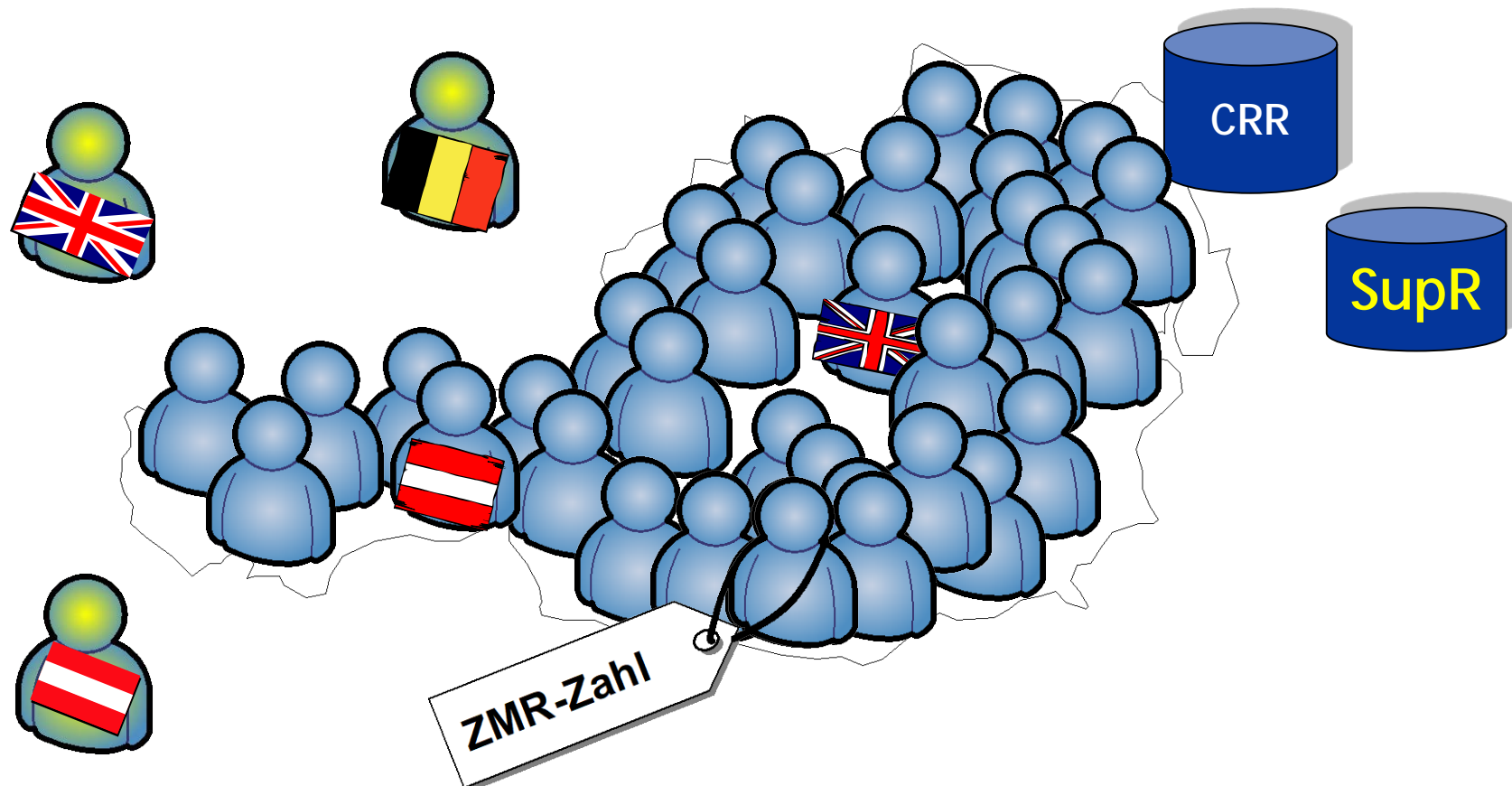


Operation: a) SMS b) QR c) TEE/SE



SECTOR-SPECIFIC IDS

Central Register of Residents



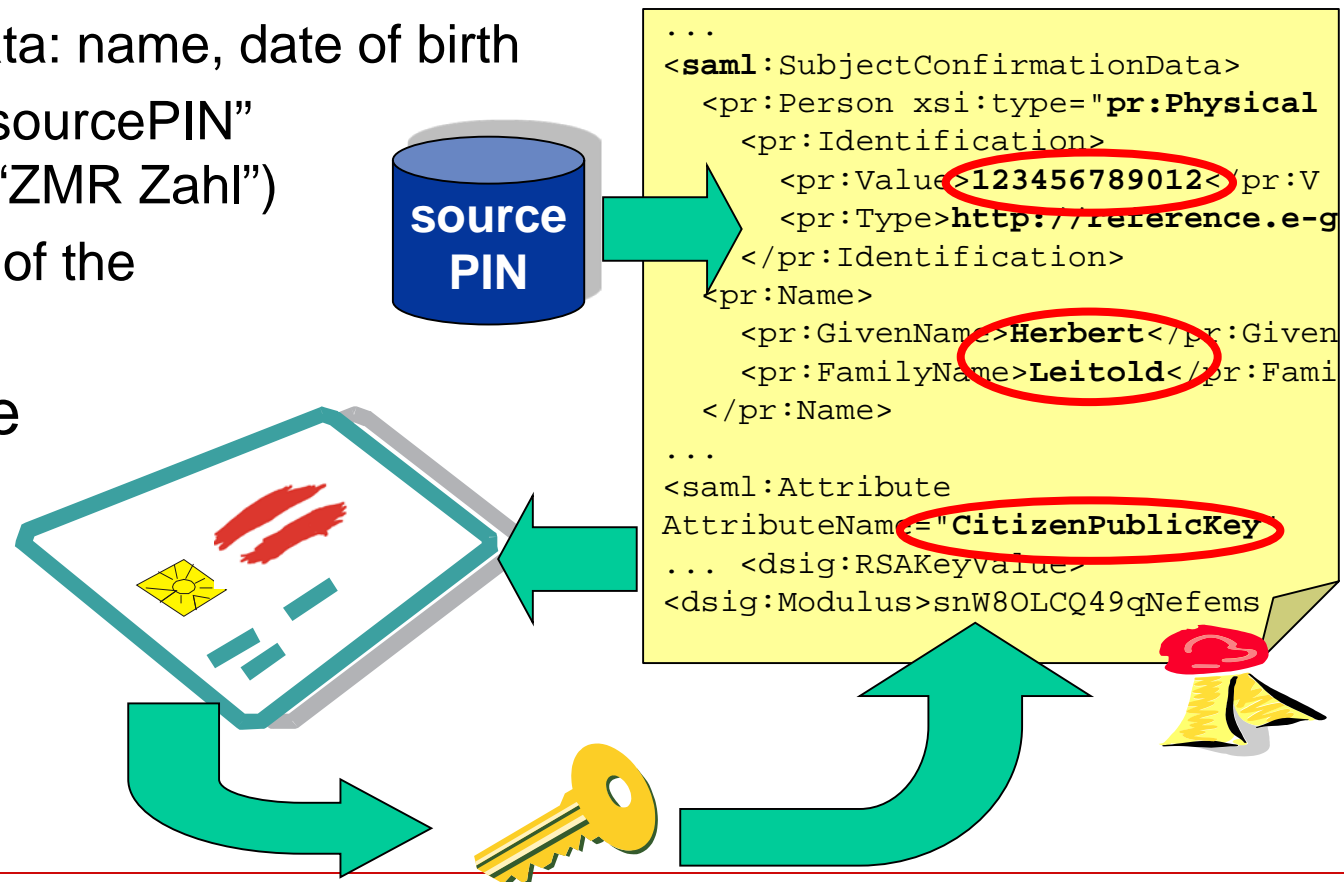
Each resident has a unique number (ID) „ZMR-Zahl“ in the Central Register of Residents (CRR)

Identity Link

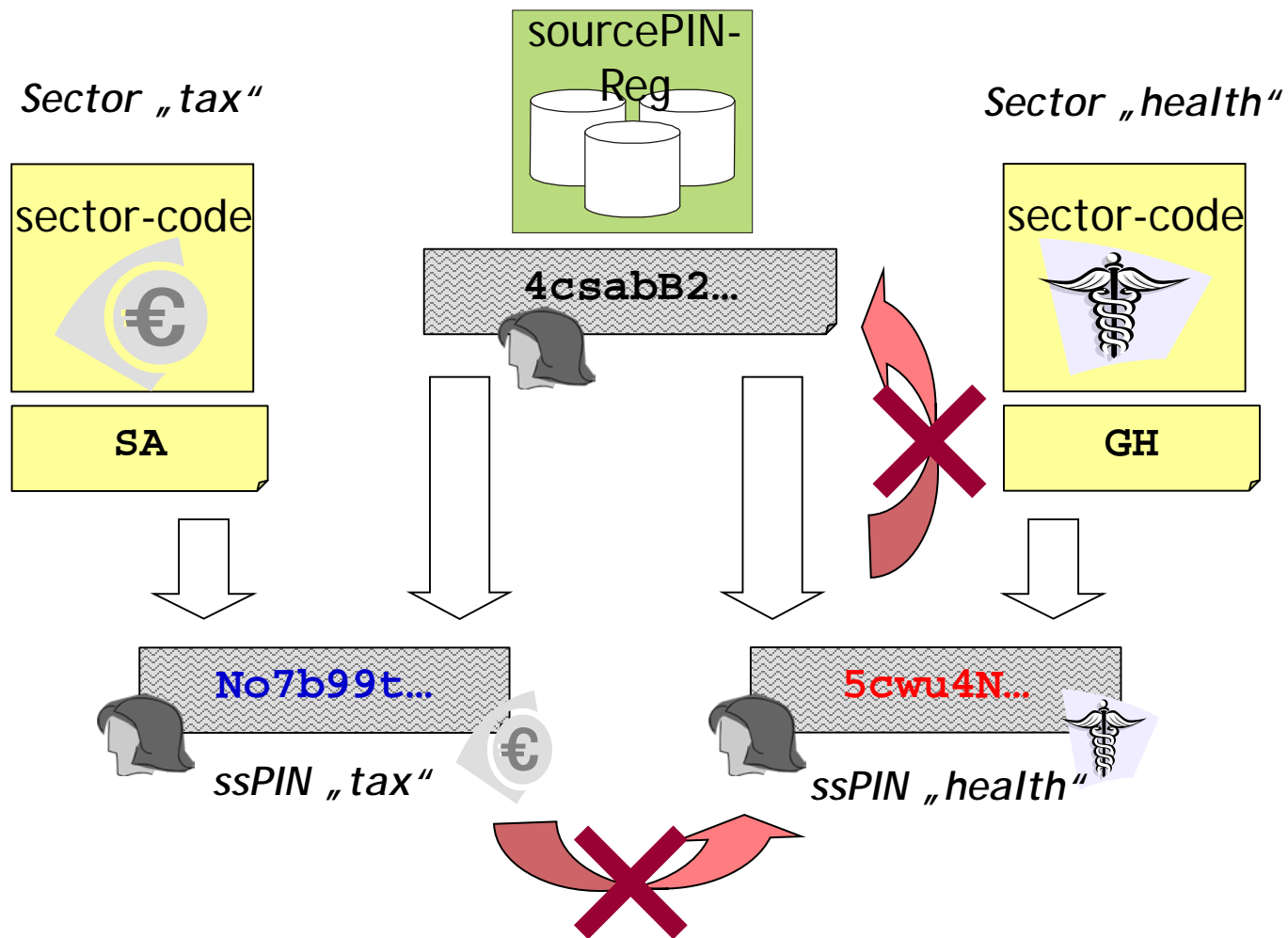
- XML data structure stored in the Citizen Card that holds
 - personal data: name, date of birth
 - unique ID “sourcePIN” (encrypted “ZMR Zahl”)
 - public keys of the certificates

signed by the authority

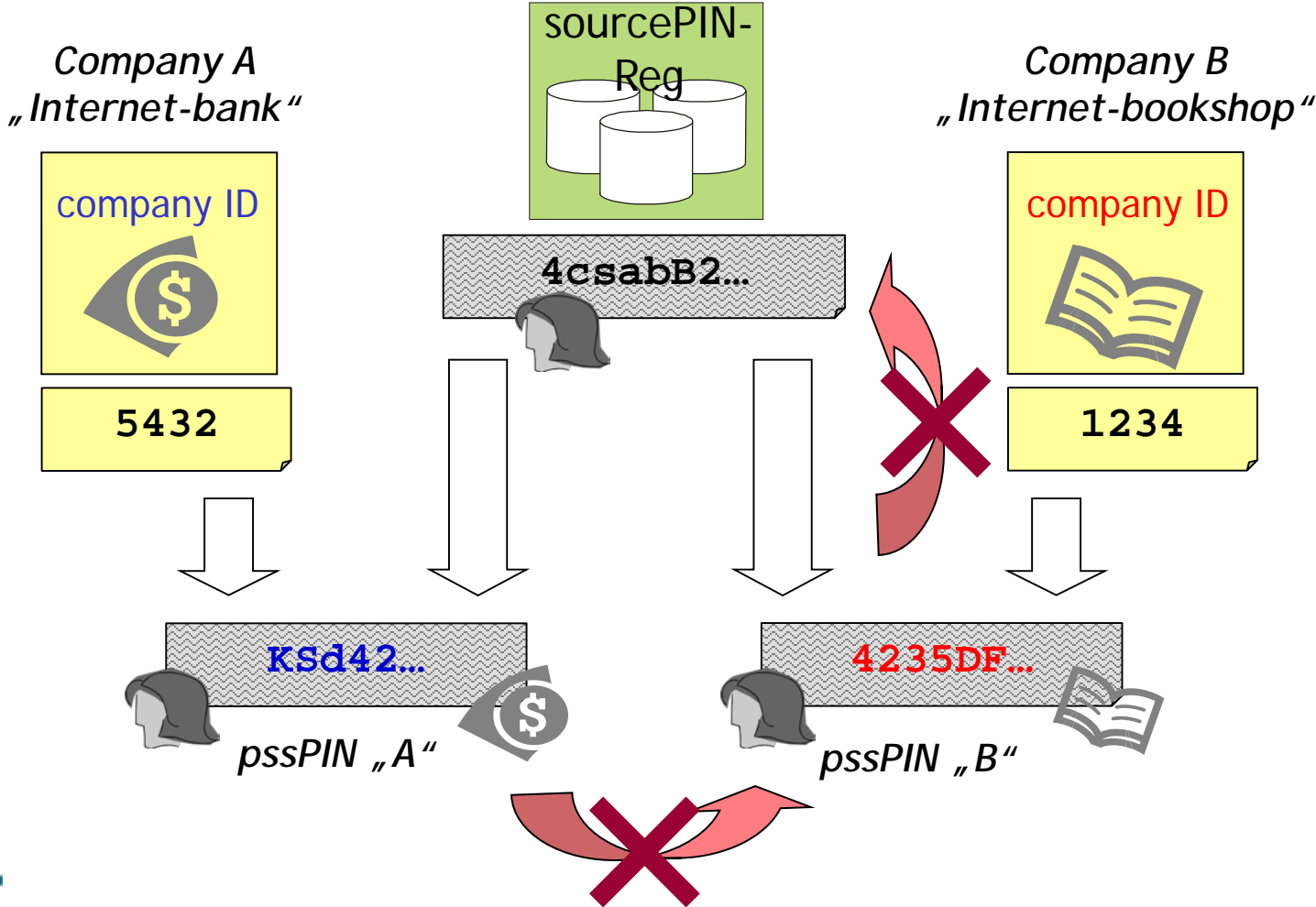
- Based on SAML



Sector-specific PIN

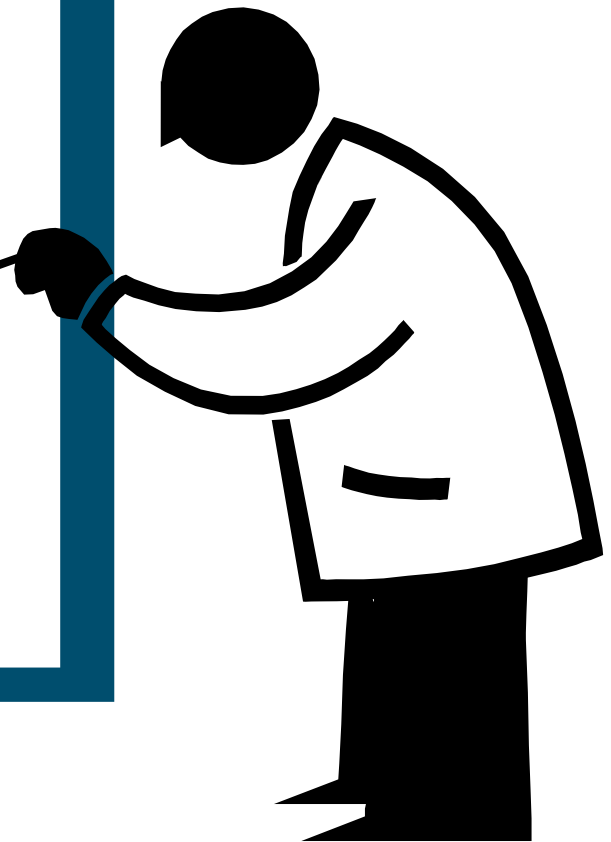


Private sector-specific PINs



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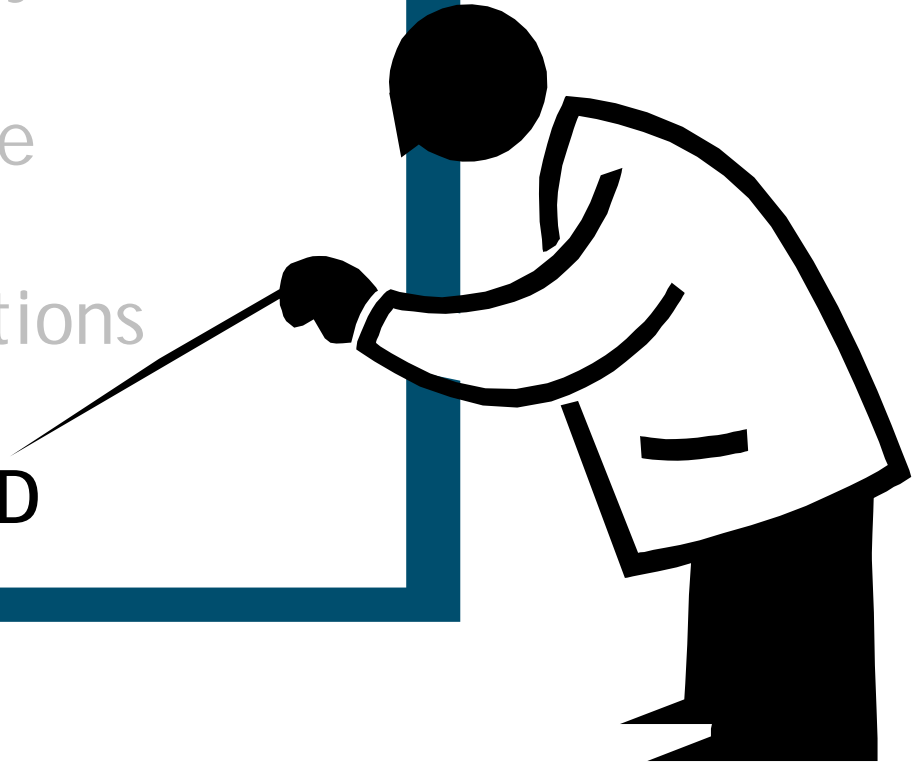


Questionnaire

- ID card
 - no chip yet; will be needed through EU legislation (presumably 2021)
- e-card (health insurance card)
 - Most answers in interview document already well elaborated
 - For details the issuing organisation (SVC) is better positioned to respond

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ありがとう!

Thank You for
Your Attention!



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