EU AT

Demonstrations

First steps towards eID Interoperability

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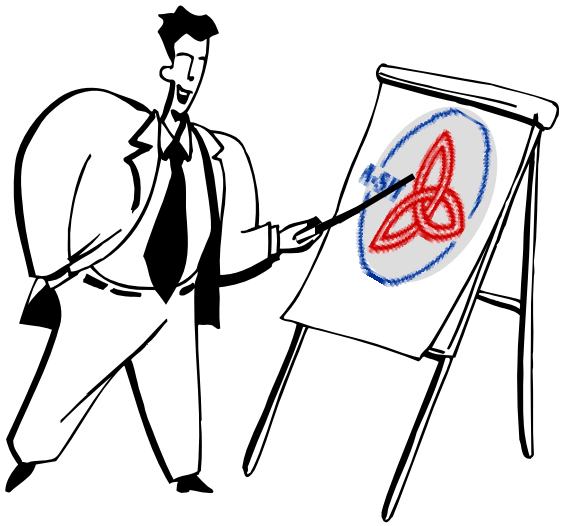


- AT foreign eID-integration
  - Basics of AT eID / IDM model
  - Foreign eID integration concept
- BE signatures with AT application

Demo Word 2007 signatures

Demo PDF signature

- BE eID in AT Webshop

Demo Activate BE eID card as Austrian citizen card

Demo Using a BE card in Austrian service

Recurring ID concept

- eGovernment Act [art. 2(3) and art. 6(5)]

> "***Recurring identity***": designation of a specific person (data subject, No 7) in a way which, while not ensuring unique identity, enables this person to be recognised by reference to a previous event, such as an earlier submission;

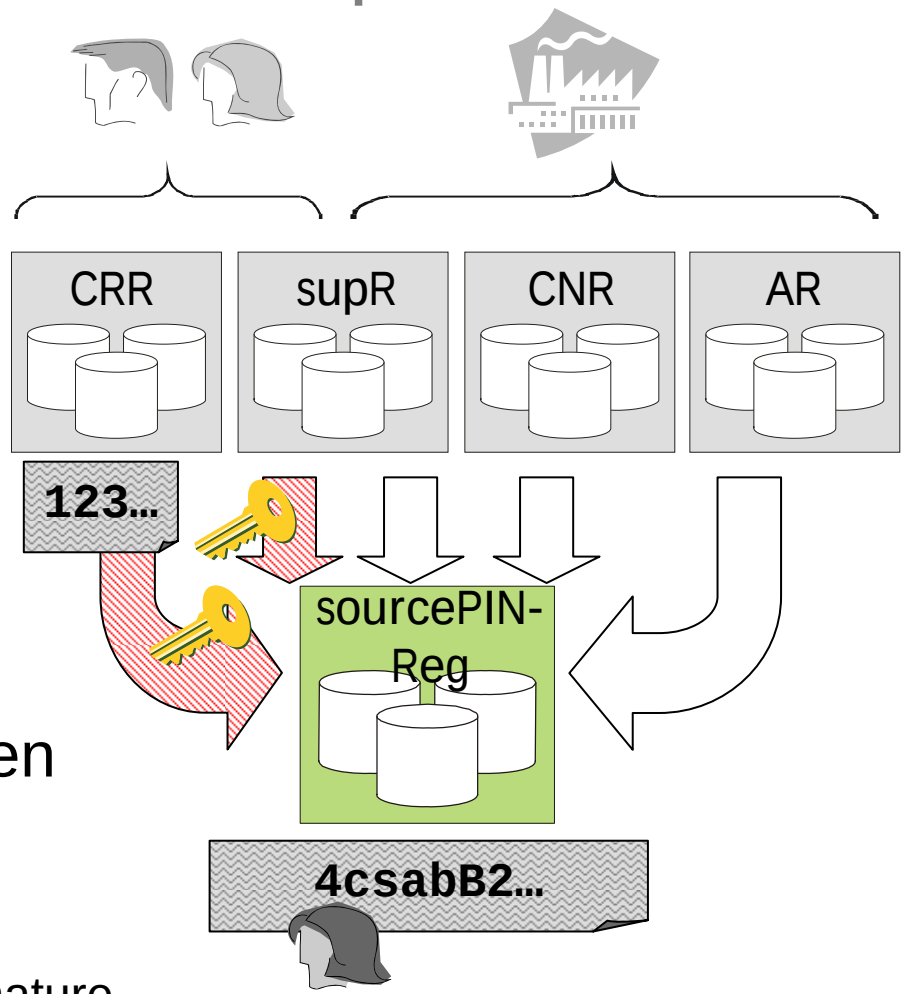
> For the purpose solely of validating recurring identity, a person may, at his request, be provided with a ***substitute sourcePIN*** by the sourcePIN Register Authority, where …

- SourcePIN register authority order [art. 11(2)]

> If the application is made using an eID that holds a ***foreign personal identifier*** included in a signature creation device, the Source PIN Register Authority may use this identifier as a substitute sorucePIN , if the identifier – in its country of origin – is an identifier in official proceedings and is linked to reliable means of authentication ….

sourcePIN Register – unique IDs

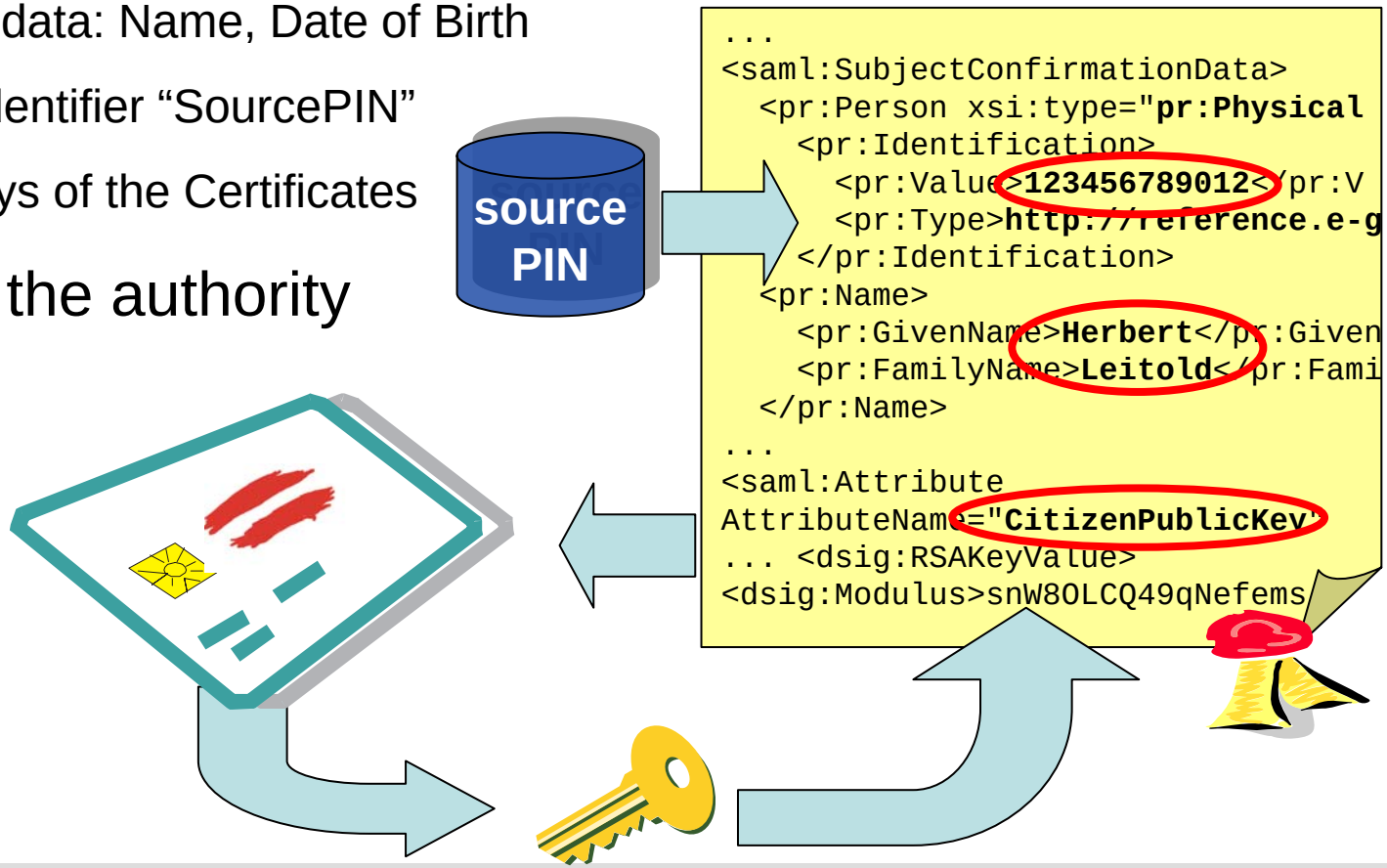
- Source PINs
  - derived from unique IDs in registers
  - strong encryption for physical persons
  - sourcePIN Register maintained by Data Protection Commission
- SourcePIN stored in Citizen Card Environment
  - Data structure ***Identity Link***
  - Links identity to electronic signature



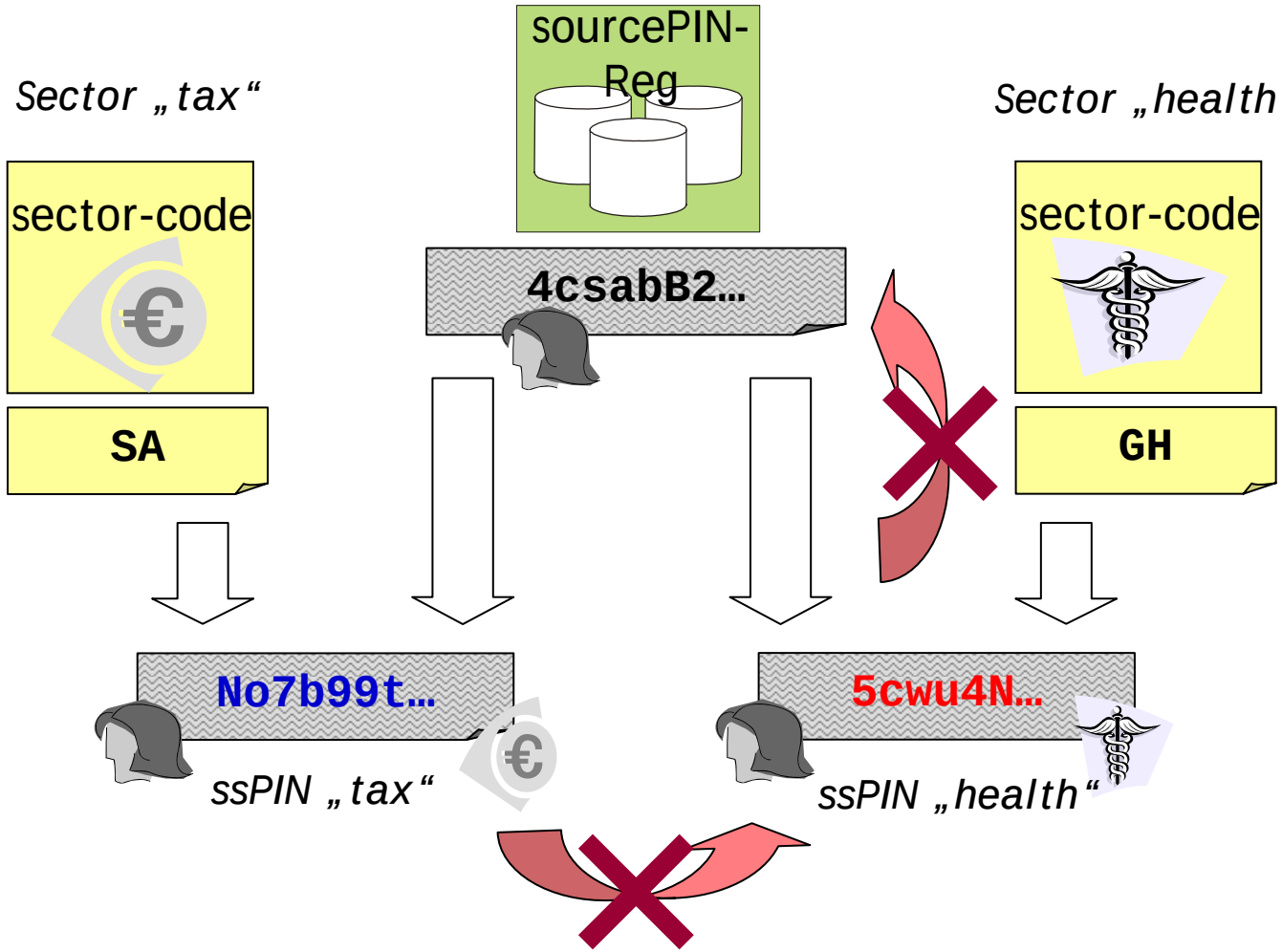
Identity Link

- XML data structure stored in the Citizen Card that holds
  - Personal data: Name, Date of Birth
  - Unique Identifier “SourcePIN”
  - Public keys of the Certificates

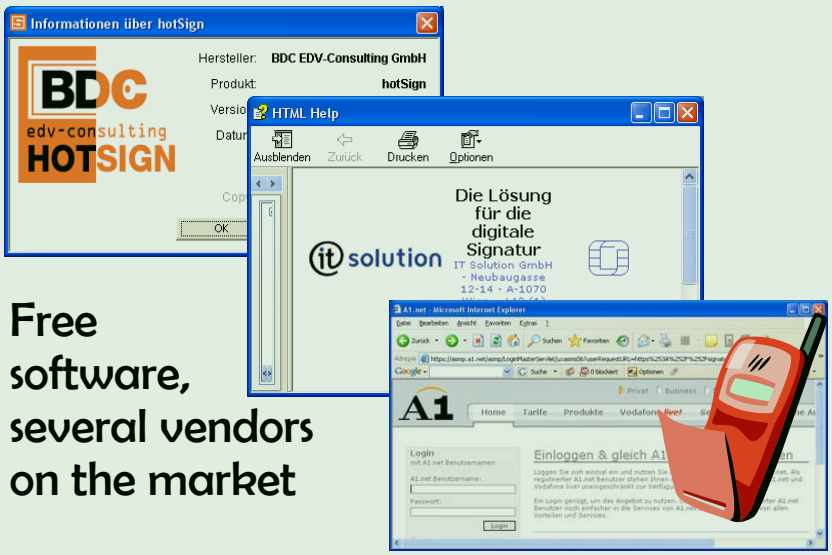
signed by the authority



Sector-specific IDM concept



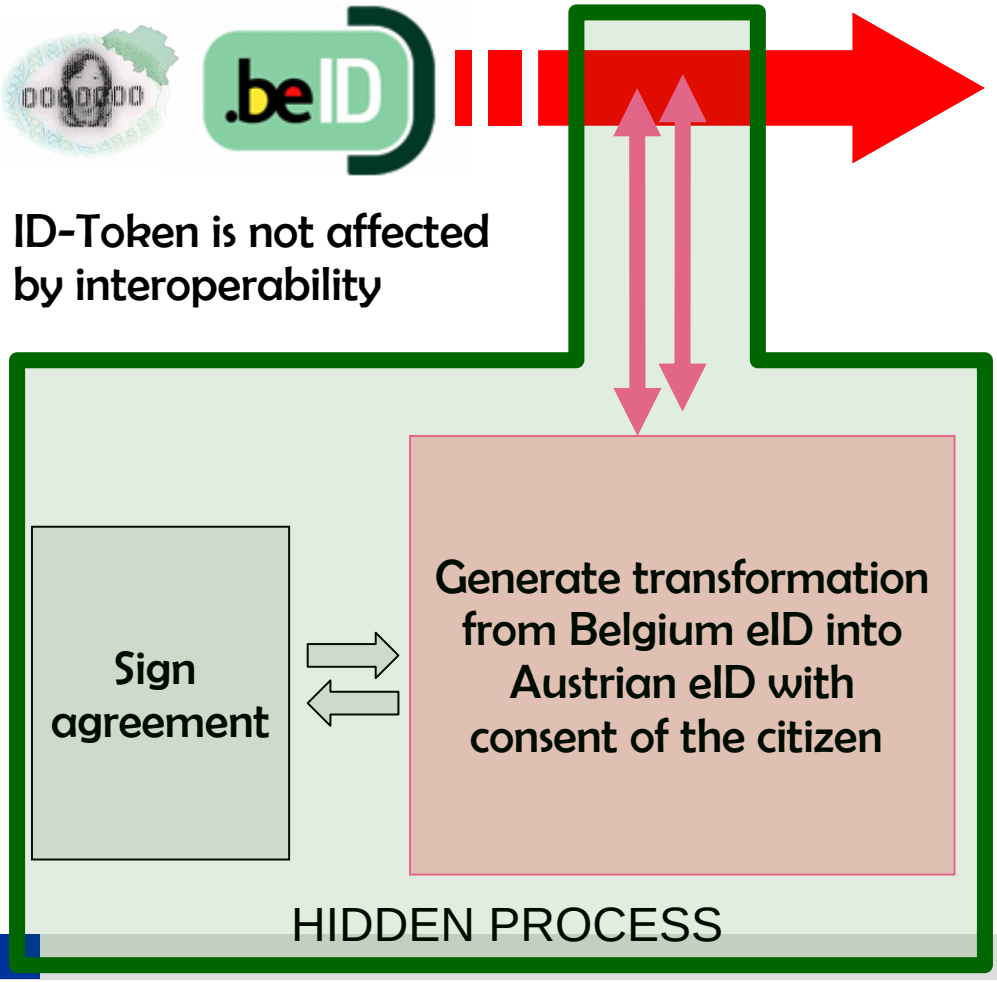
AT eID in AT eGovernment service



Free software, several vendors on the market

Transformation sourcePIN ➔ ssPIN done in the *Citizen Card Environment* (Software running on the citizen's PC)

example BE→AT eID



Application is not affected by interoperability

LEGAL AGREEMENTS?
TECHNICAL INTEROPERABILTY?
.....

Foreign-eID integration

- Integration of foreign eID
  - Austria has so far integrated the Belgian, the Estonian, the Finish, and the Italian eID into its domestic IDM concept

- Uses “Recurring Identity” concept
  - Unique identifier of foreign certificate used as “substitute sourcePIN”
  - Service started in 02/2006

Demos

- Create AT Official Signature
  - Concept of AT Official Signature

Demo Create using Office 2007

Demo Using PDF Documents

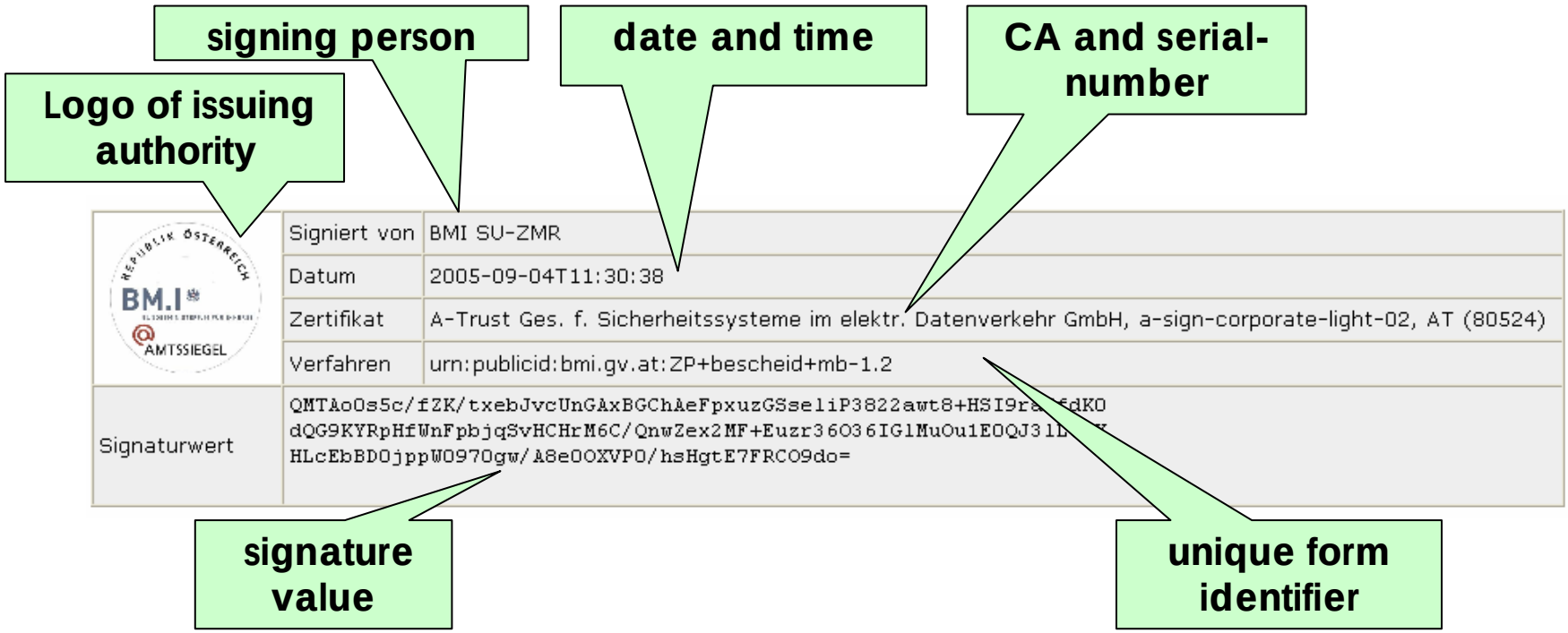
- Belgian eID in AT process

Demo Activate BE signature

Demo Use it in AT process

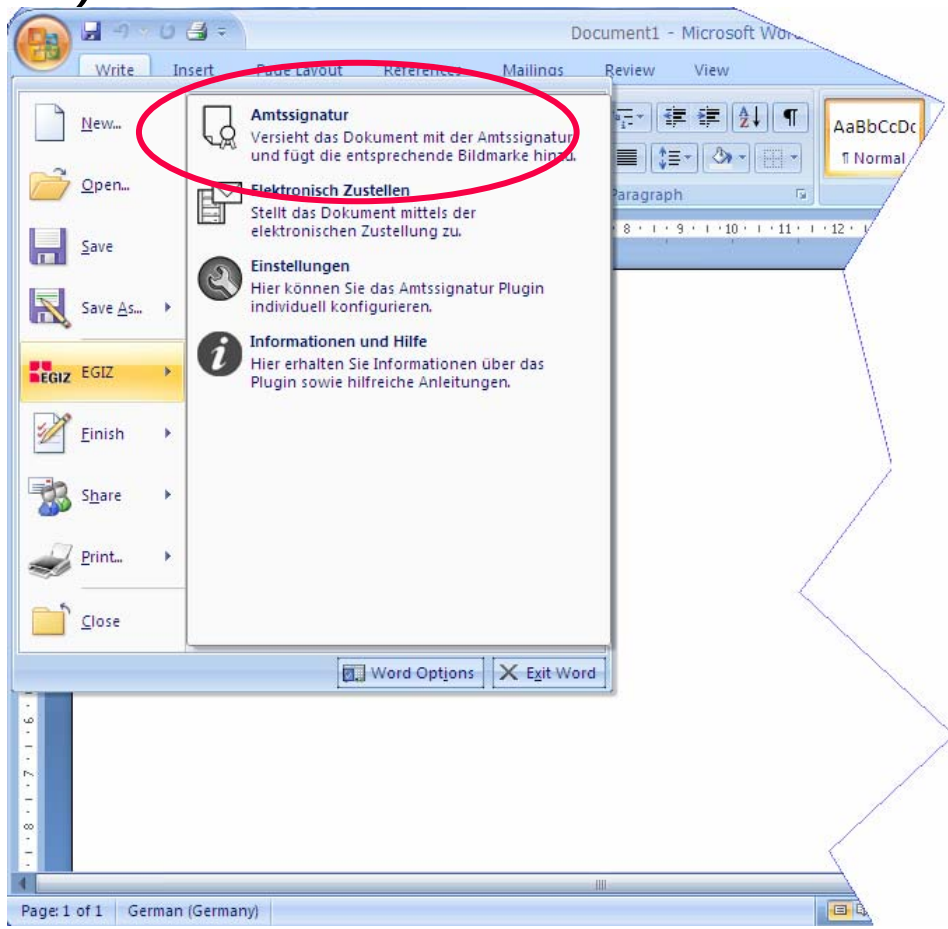
Official signature

- Enclose electronic signature as visible data with the document
  - Maintain probative value on print outs



Example: Using Word 2007

- Word 2007 (formerly Office 12) has signature capabilities
- EGIZ developed a plugin to
  - create official signature
  - deliver signed document electronically



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Video

Example: Sign PDF 2007

- PDF documents widely used
- To sign and attach official signature
  - extract raw text
  - normalize
  - sign
  - feed back signature

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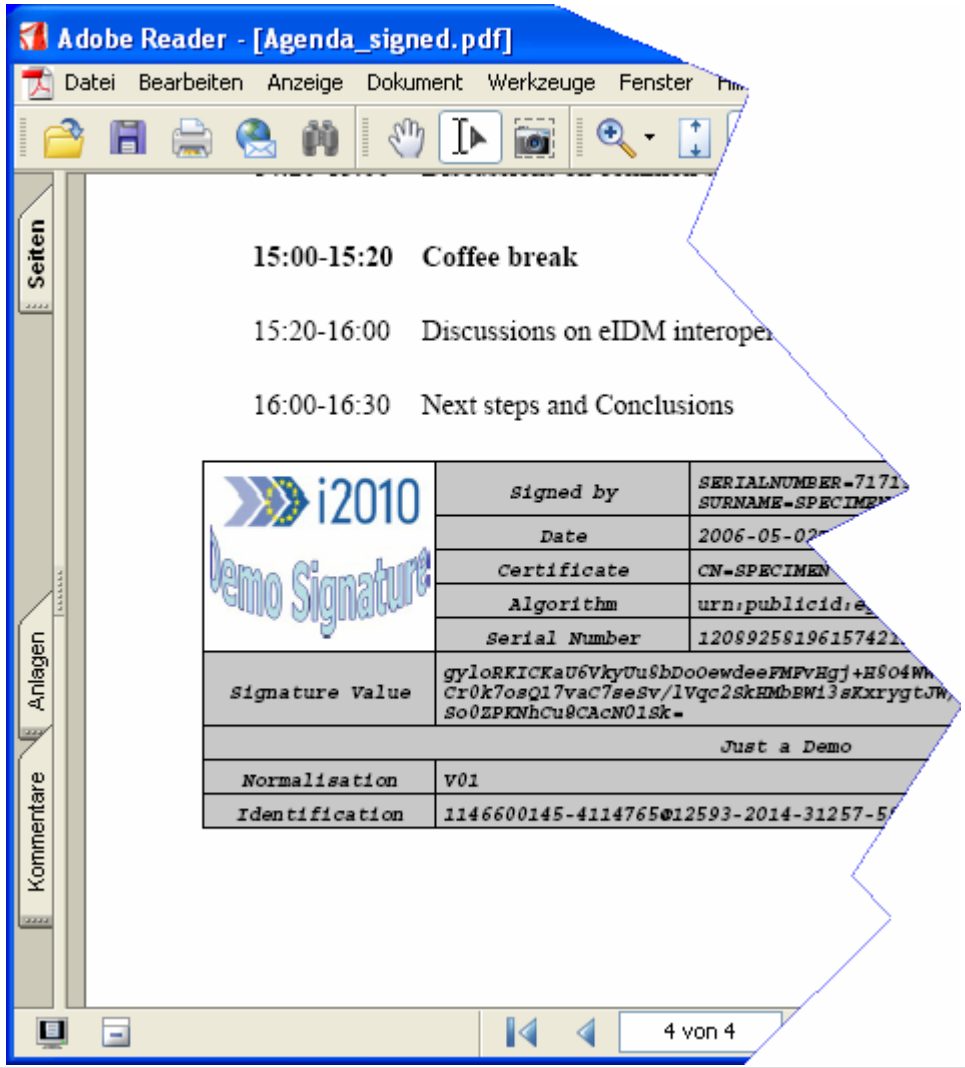
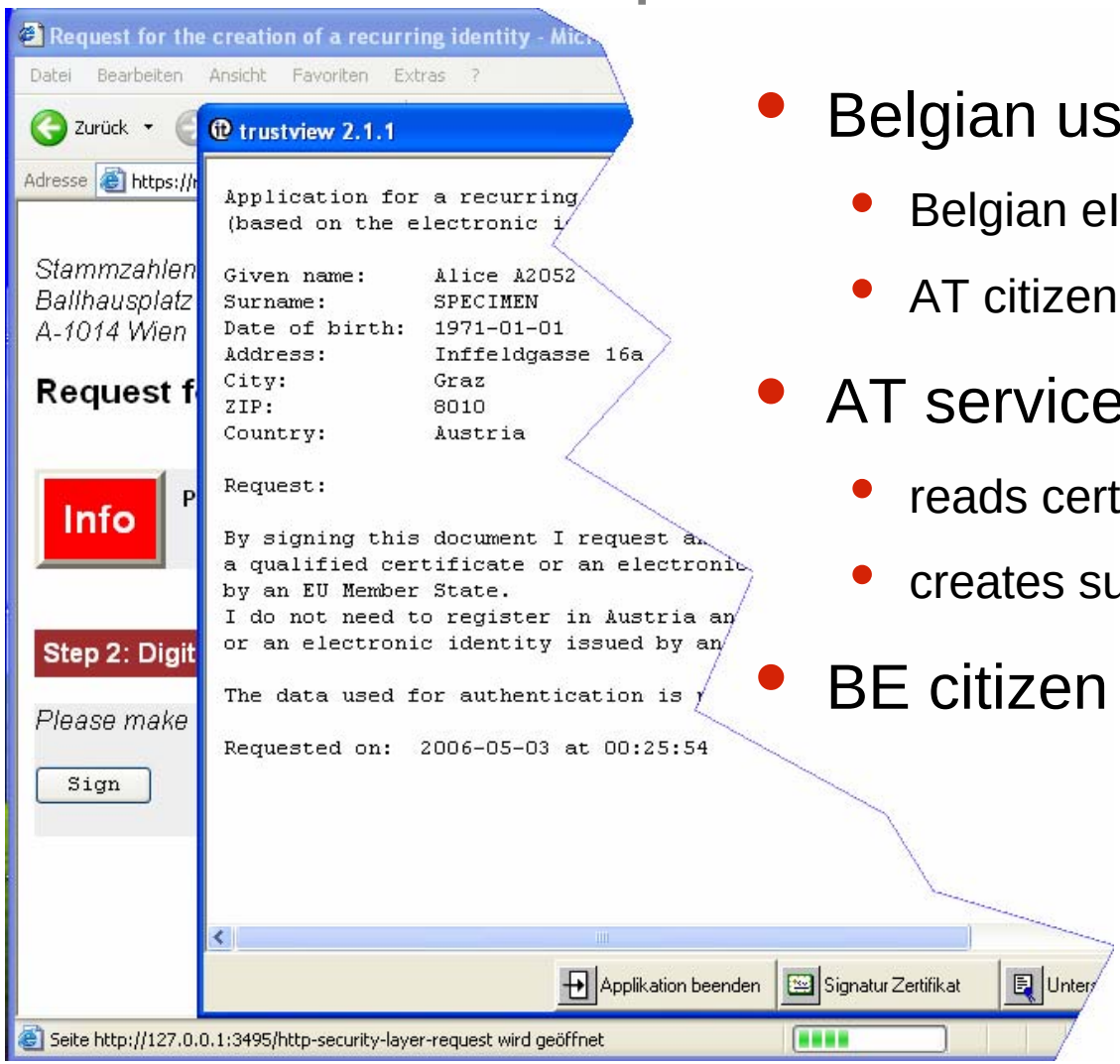
Video



Example: Activate BE eID



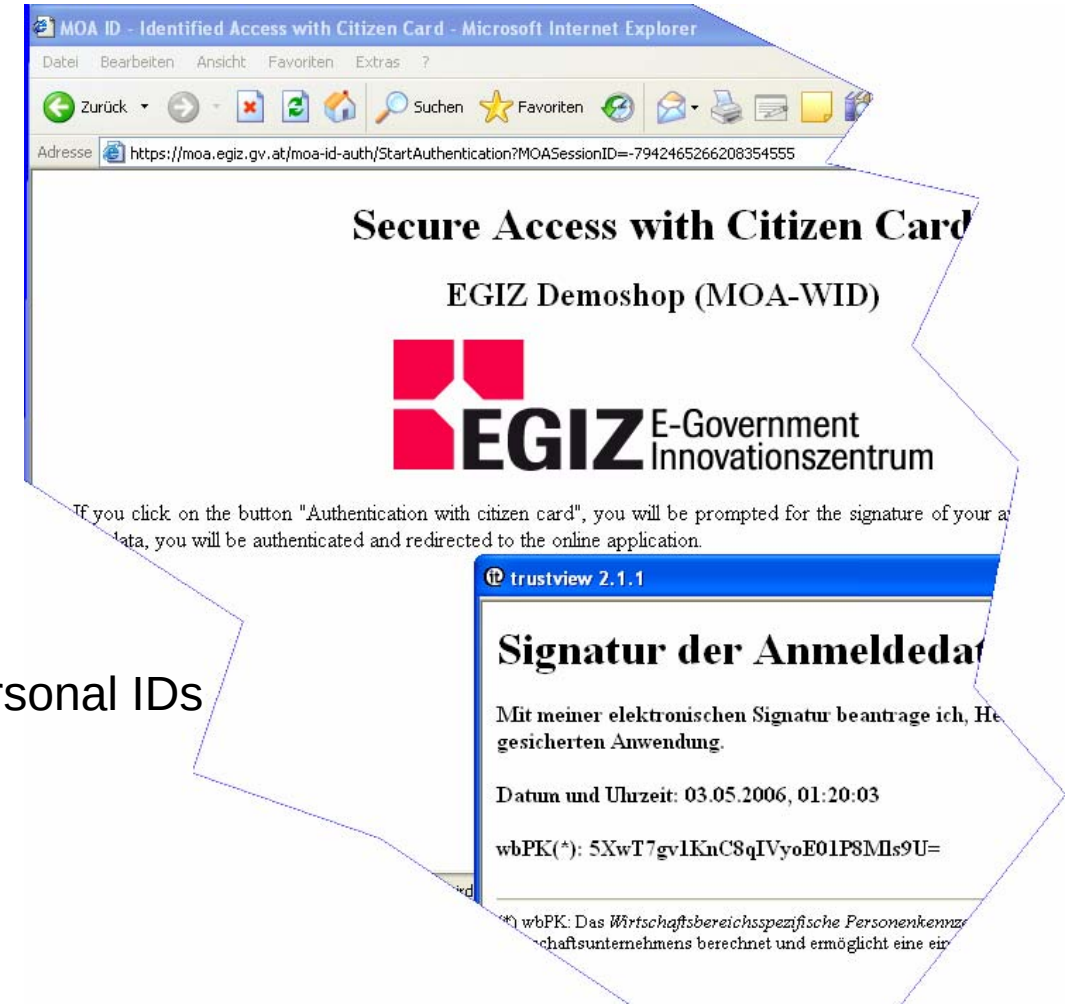
- Belgian user has
  - Belgian eID
  - AT citizen card software installed
- AT service
  - reads certificate
  - creates substitute PIN
- BE citizen signs application

DEMO

Video

Example: Accessing a Webshop

- Identity Link created for BE eID is used in AT application
- Webshop is a private sector application
  - Additional data protection measures
  - Private-sector specific personal IDs



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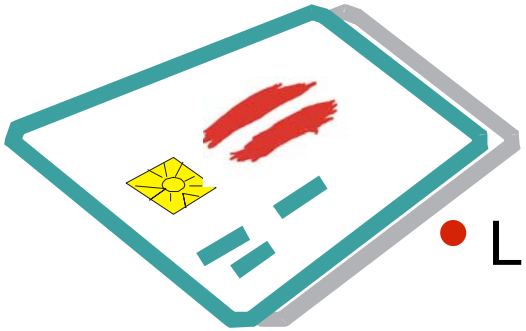
Video

Conclusions



- AT has implemented an
  - decentralized model using foreign tokens
  - interoperability is handled at the user environment level
- Legal basis settled by eGovernment Act
- Identity Management model allows data protection compliant “export” of AT eID using the sector-specific PIN concept

Thank you for your attention

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