



The Austrian e-card – A Motor in eHealth

INCO-HEALTH Conference
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SVC – Sozialversicherungs-Chipkarten Betriebs- und Errichtungsges.m.b.H.

- SVC was established in February 2001
- SVC is owned 100% by “Hauptverband der österreichischen Sozialversicherungsträger (i.e. „Main Association of Austrian Social Insurance Institutions“)
- Approx. 70 employees
- SVC has already set up the Austrian e-card project and is also in charge of operation and further development of the system
- Extensive know-how of system development and operation – especially in the areas of health telematics and eGovernment



The Austrian e-card



Front Side = **e-card**



Reverse Side = **EHIC**

Eye-readable Data (1)

Front Side (e-card)

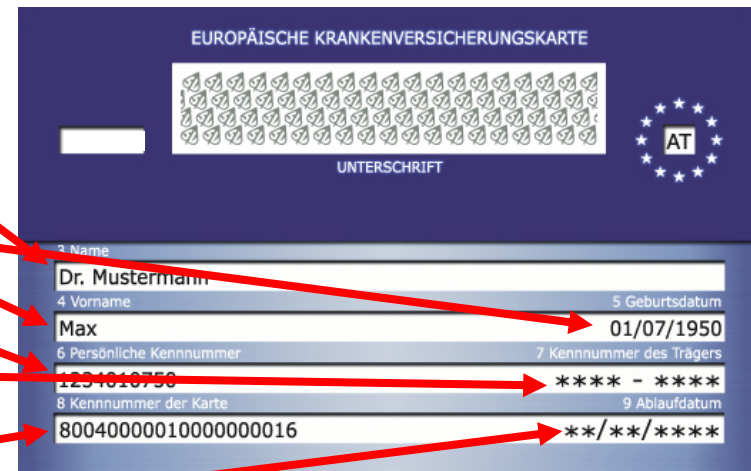
- Card Sequence Number
- Social Insurance Number
- Title(s)
- First Name(s)
- Last Name



Eye-readable Data (2)

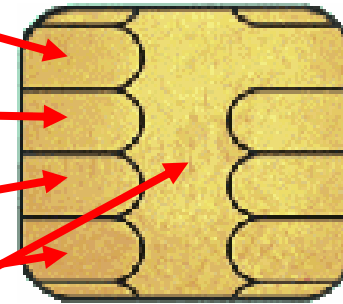
Reverse Side (European Health Insurance Card)

- Last Name & Title(s)
- First Name(s)
- Birth Date
- Social Insurance Number
- Institution Code
- Card Identification Number
- Expiry Date



Data in the Chip

- All the eye readable data
- Gender
- User Group Identification
- Digital certificates
- Room for future use



The Chip of the e-card

- **Storage:**
36 KByte
- **Provider:**
Philips, Infineon
- **Encryption:**
ECC (elliptic curve cryptography)
with 192 bit key length
- **Hash Computing:**
SHA-1



The „Key Card“ Principle

- The e-card contains **identification** data
- The e-card is **not** a carrier of applications
- The e-card represents the **access key** to system based services
- The access key (token) is **unique** within the system
- Lost tokens are **locked** throughout the system

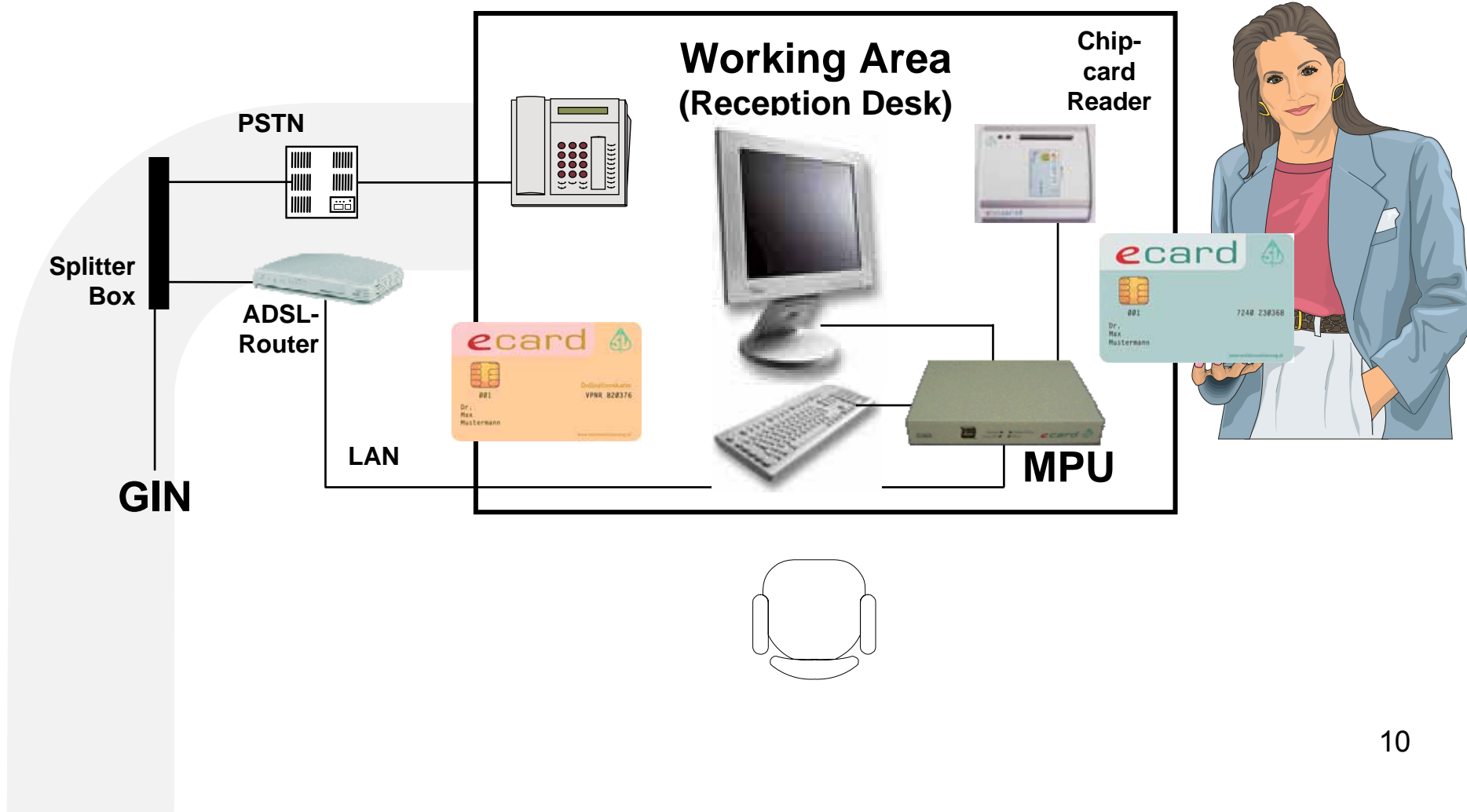




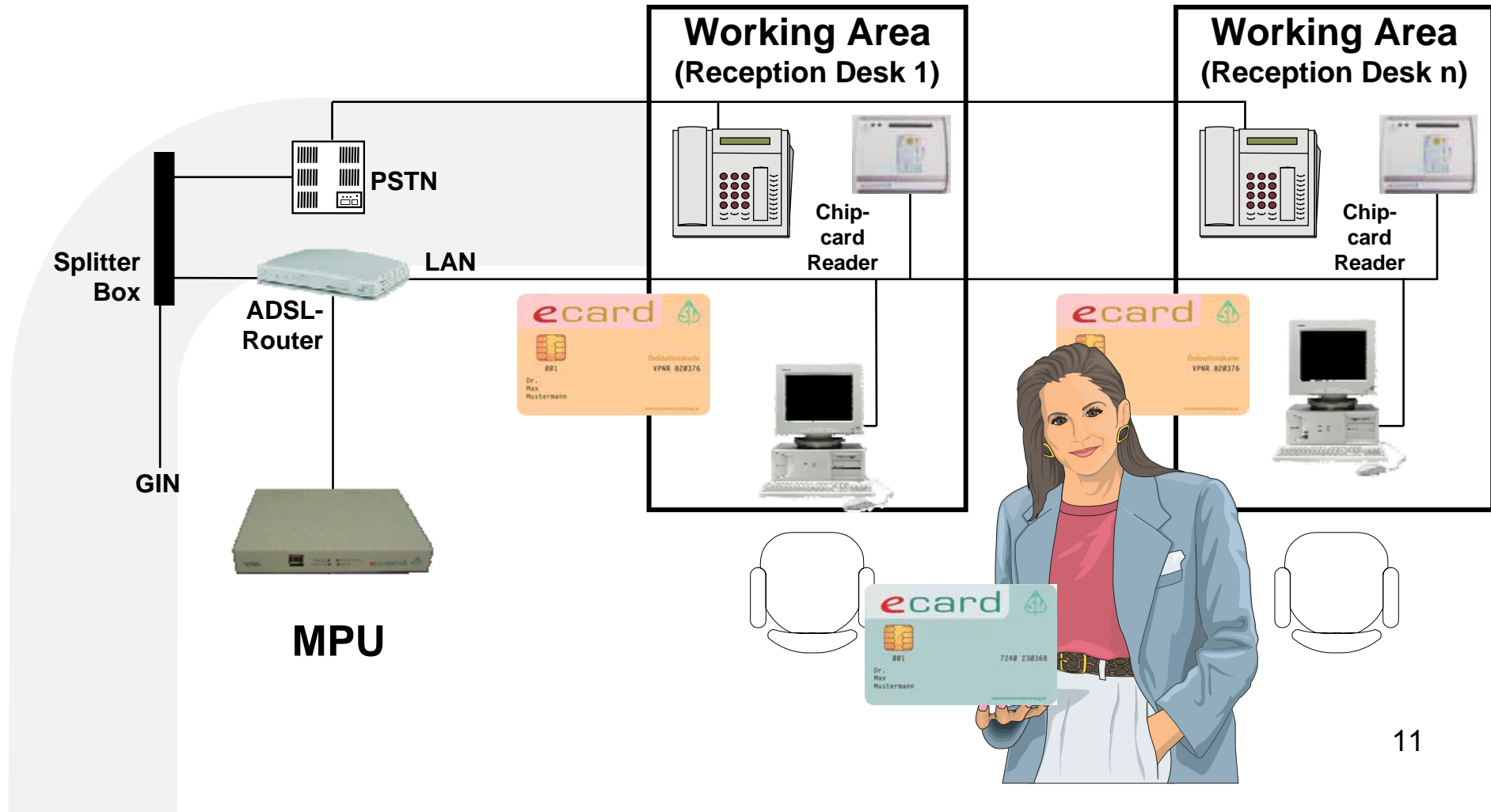
Medical Practice Unit (MPU) and LAN Chip Card Reader



Configuration without IT

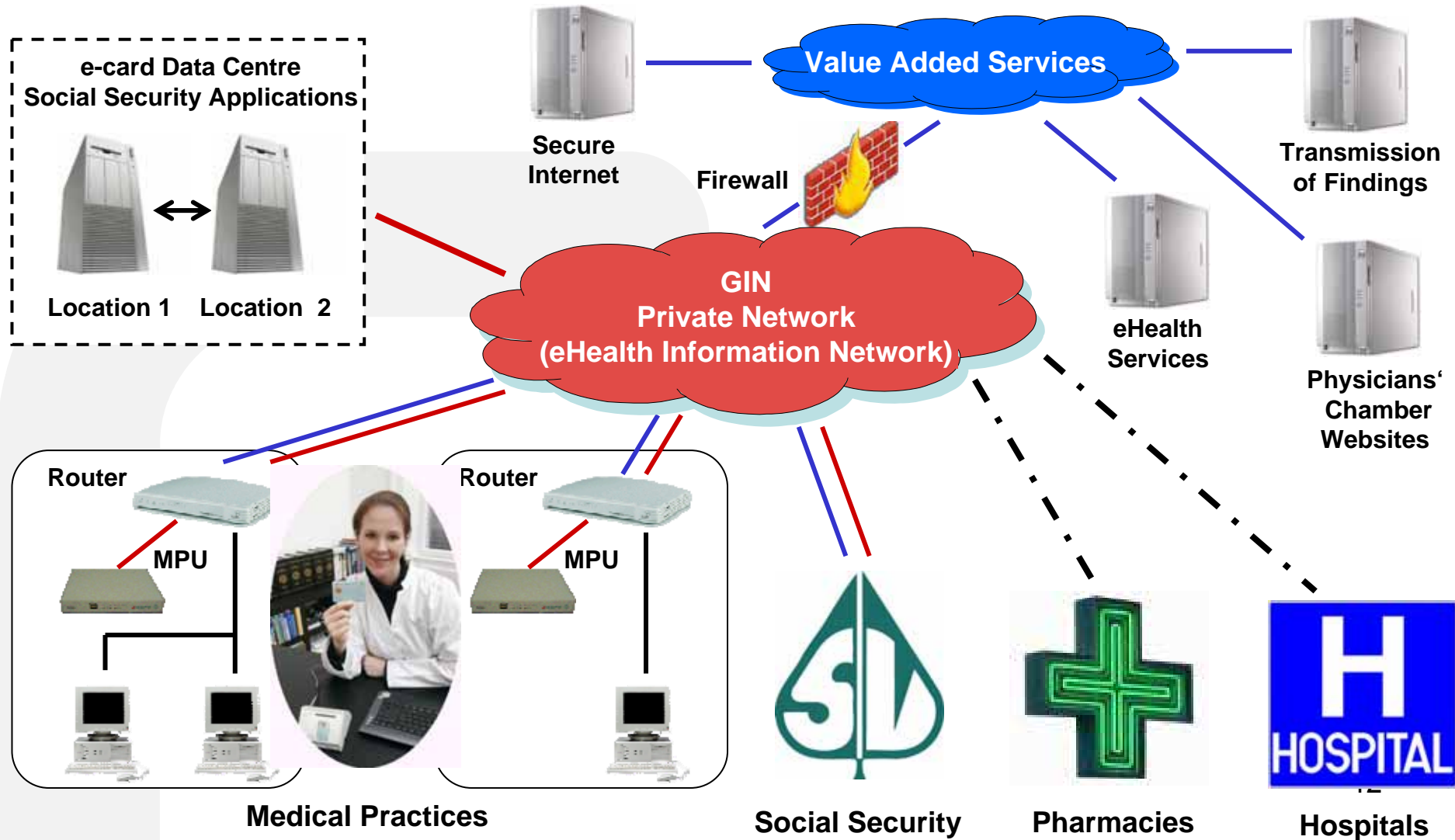


Configuration with IT





The e-card Infrastructure



European Extensions of the System

- **NETC@RDS Project and EHIC (European Health Insurance Card)**
 - ➔ implementation of the EHIC on/in the e-card
 - ➔ substitution of paper forms within the scope of NETC@RDS



Implemented Functions of the e-card

e-card System Operation

Applications

- Electronic Check of Entitlement
- Medication Approval Service
- Social Security Query Service
- NETC@RDS
- Preventive Medical Checkup

Infrastructure ready for eHealth

Trust Center and Card Service Portal

Citizen Card

- >12.000 Signatures

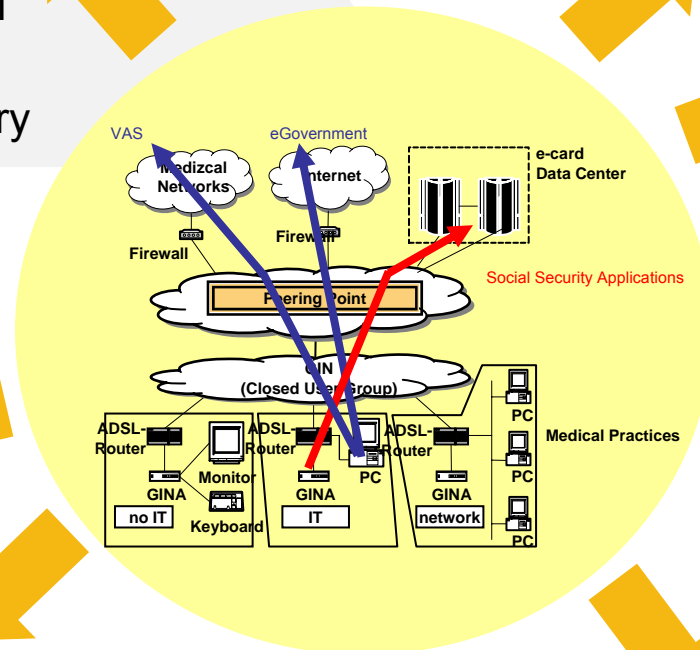
Call Center

- Hotline for Healthcare Providers
- Technical Hotline
- Hotline for Insurees

eMedication

- Pilot with 66 Pharmacies in the Salzburg Region

Care Facilities



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Facts and Numbers (January 2007)

- e-cards 8.280.295
- new e-cards (births, changes, ...) ~700.000/year
- Health Care Providers connected 11.231
- e-card Consultations
 - since March 2005 139 Million
 - average daily contacts ~470.000
 - all time high 594.410
- Medication Approval Service
 - partners using the service 5.880
 - requests since January 2006 762.070
 - average response time 4 min.

Thank you for your
attention !



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