eID in eGov

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Outline

• What is an eID?
• What is it used for?
• What does it require?
• Who has it?
• Recommendations
• Conclusion
What is an eID?

- Electronic IDentity (Card)
- Issued by Government
- Integrated chip or RFID (German case)
What is it used for?

• Official online and offline identification
• Official electronic signature of documents (digital signatures)
• Hence many applications: border control, online payment, health ID, government applications (e-voting, taxes, ...), privacy control, authenticated e-mailing, ...
What does it require?

- National PKI (initial heavy cost)
- Integrated chip (or unsafe RFID) technology
- Debate on ID storage
Who has it?

- Austria, Belgium, Estonia, Finland, Italy, Netherlands, Spain and Sweden
- New: Germany (unsafe), Romania
- German case
  bad choice: RFID
demonstration from the CCC
  (Chaos Computer Club)
Recommendations

- Arab countries (as well as LDCs) issues
  - money & technological knowledge
- India anecdote
Recommendations

• No money for a technology on the verge of being replaced

• Avoid unnecessary research (wait that safe technology becomes available: no RFID, integrated chip is better)

• Know what your country needs! good idea: PKI & eID bad idea: Biometric Passports
Conclusion

• eID is good and useful for both governments and their people
• New infrastructure needed (initial cost)
• Save money and time on the long term
• Be smart, follow recommendations ;-}
Questions?