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**Digitale Transformation in Europa**  
**bedeutet digitale Identitäten**

Dr. Detlef Houdeau, Infineon Technologies AG

# Agenda

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- **Anwendungsbeispiele** für digitale Identitäten in Europa
- **Einführungslandkarte** in Europa, Stand 09/2019
- **Trends** bei digitale Identitäten in Europa
- **Neue EU-VO** für minimale elektronische Sicherheit
- Q & A

# Anwendungsbeispiele für digitale Identitäten in Europa

Main Feature	Short description	Reference in Europe
Increasing Document <b>Security</b>	Combine optical with electronic Security	Hungary (2016) Lithuania (2009)
Using <b>Travel</b> (ICAO) Standard	„Synergy“ with e-Passport in security, functionality and production flow	Sweden (2005) The Netherlands (2006)
Offering <b>eGovernment</b> Service	Online Authentication in the Web	Finland (1999) Estonia (2004)
Using <b>eHealth</b> Service	eID for electronic identification; eHealth for prescription/emergency data;	Belgium (2003) Turkey (2016)
Offering <b>e-Tax</b> Declaration	Part of the eGovernment Service	Portugal (2007)
Offering <b>eTicketing</b> Function	Public Transport	Italy (2010) Belgium (2011)
Offering <b>eVoting</b> Service	Part of the eGovernment Service	Estonia (2007) Portugal (2007)
Using <b>eGates</b> at Airport	Automatic Border Control	Spain (2006) Germany (2014)
Using <b>ePension</b> Service	Part of the eGovernment Service	Portugal (2007)



# Einführungslandkarte in Europa, Stand 09/2019

Europe, mid of CY 2019



Netherlands



Croatia

Time window	Cumulated number of states	Country
End of CY 2000	1	Finland (1998, Pilot)
End of CY 2005	5	+ Estonia, Belgium, Austria, Sweden
End of CY 2010	17	+ Spain, Norway, Italy, Netherlands, Serbia, Portugal, Albania, Lichtenstein, Monaco, Lithuania, Switzerland, Germany
End of CY 2015	29	+ Latvia, Czech Rep., Ireland, Bosnia, Romania, Kosovo, Malta, Slovenia, Luxembourg, Croatia, Russia, Turkey

CY 2016: + Hungary and Ukraine



Hungary

CY 2019: Poland



Ireland



Germany

> CY 2019: Bulgaria, Greece, France



Czech Rep.



# Einführungslandkarte in Europa, Stand 09/2019

State	ePass	eRPC	eID	eDL	eH	eVRC
Albania	X	X	X			
Austria	X	X	X		on eID	X
Belgium	X	X	X		on eID	
Bosnia	X	X	X			
Croatia	X	X	X			
Czech Republic	X	X	X			
Estonia	X	X	X		on eID	
Finland	X	X	X			
France	X	X		stopped	X	
Germany	X	X	X		X	
Greece	X	X				
Hungary	X	X	X			
Ireland	X	X	X	X	on eID	
Italy	X	X	X		on eID	
Kosovo	X	X	X			

# Einführungslandkarte in Europa, Stand 09/2019

State	ePass	eRPC	eID	eDL	eH	eVRC
Lithuania	X	X	X			
Monaco	X	X	X			
Netherlands	X	X	X	X		
Norway	X	X	BankID			X
Poland	X	X	x		X	
Portugal	X	X	X		on eID	
Romania	X	X			X	
Serbia	X	X	X			X
Sweden	X	X	X			
Switzerland	X	X	SwissID		X	
Slovenia	X	X			X	
Spain	X	X	X		HPC	
Turkey	X	X	X		on eID	
UK	X	X			HPC	
Ukraine	X	X	X			

# Trends bei digitale Identitäten in Europa

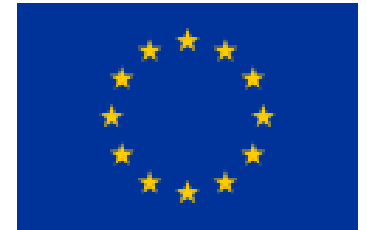
Topic	References
<b>ICAO 9303</b> Function, Biometry and Security move into <b>national eID Cards</b>	Turkey, Sweden, Spain, Monaco, Czech Republic, Netherlands, Albania, Ukraine
Card Body in <b>Polycarbonate</b> to capture 10 years lifetime and many optical security features; (incl. new security elements like optical window)	Portugal, Spain, Sweden, Belgium, Germany, Netherlands, Turkey, Ukraine...
<b>Contactless Interface</b> for <b>higher performance</b> and possible communication w/ NFC-Smart Phones	Germany, Netherlands, Ukraine, Sweden, Spain, Turkey, Spain....
Digital Identification in the <b>Net, Web</b> and <b>Cloud</b>	Portugal, Estonia, Belgium, Austria...
<b>Self-Service Kiosk</b> systems in public (private) facilities for e-Government and e-Business Services	Estonia, Lithuania, Latvia, Portugal, Germany. Belgium, Spain, Turkey...
<b>Multi-App</b> with one Identifier (Unique-ID #)	Portugal, Estonia, Belgium, Sweden...
<b>Synergy</b> between <b>ID3-booklet data page</b> and <b>ID1-Card</b> („Family Concept“)	Netherlands, Germany
<b>Post Issuing processing</b> , loading of data and/or security functions	Portugal, Estonia
<b>2nd biometric data set (fingerprints)</b> stored in the chip	Netherlands, Germany, Spain...



# Neue EU-VO für minimale elektronische Sicherheit

## COM(2018)212

- Veröffentlicht: 17.04.2018; EP-Beschluss: 04.04.2019; EU Rats-Beschluss 05.06.2019;
- Ziele
  - EU-weites **standardisiertes** Sicherheitsniveau
  - **Erhöhtes** Sicherheitsniveau
- Standard
  - **ICAO 9303 + BIG EAC**
- Anwendung
  - Nationale **Identitätsdokumente**
  - **Aufenthaltstitel** für Unionsbürger
- Biometrie-Daten
  - Aufnahme unter behördlicher Aufsicht
  - **Gesicht** und **2 Fingerabdrücke**, verpflichtend
  - Fingerabdrücke in besonders geschützten Bereich speichern (EAC)
- Fristen:
  - Einführungsfrist: **2 Jahre** (ab EU Rats-Beschluss)
  - Übergangszeitraum: **10 Jahre**, für Identitätskarten **mit MRZ**  
**5 Jahre**, für Identitätskarten **ohne MRZ**





## Q & A

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Dr. Detlef Houdeau  
Phone: +49 89 234 21144  
Cell: +49 171 55 45 877  
eMail: [detlef.houdeau@infineon.com](mailto:detlef.houdeau@infineon.com)  
[www.infineon.com](http://www.infineon.com)

