



Interoperability and IDM

The cross-border challenge

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A Digital Identity is normally supported by a Physical Identity

WAIT A MINUTE!
HOW DO WE KNOW THIS
DOPPELGÄNGER REALLY IS
THE SAME ONE WE SPOKE
TO EARLIER?



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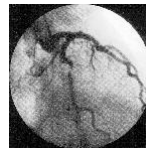
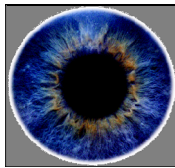
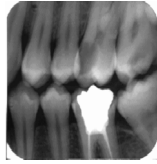
What is identity ?

What is an identity Something you carry



What is identity

Something you have



Traditional identity

Date of Birth

1/4/58

What does this mean ?

1st April 1958

4th January 1958

Or is it in the future

1st April 2058

4th January 2058

Name

The Transliteration Problem

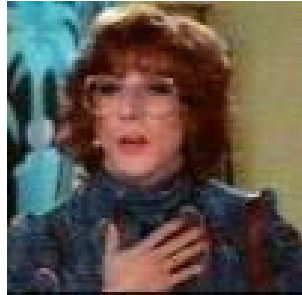
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NL: Michail Chodorkovski
FR: Mikhaïl Khodorkovski
DK: Mikhail Khodorkovskij
AT: Michail Chodorkowski
SE: Michail Chodorkovskij

New Technology
Fuzzy logic
phonetic searches
can make things even
worse:
Michael Kodorcowski
Mike Kuttergewsky

Similar problems result from common names:

- Abu Raihan Mohammed ibn Achmed al Biruni
- John Smith, Werner Müller, Singh etc.

Sex



Address



Interoperability Framework

Identity Management

Use of Standards

and understanding how to use them

Quality and Accreditation

Data captured

Capture process

Alphanumeric

Biometric

Staff used in the process

Data Storage

Equipment used

to capture the data

to verify the data

Data Protection

Standards Status

Identity Management

Person attributes

Life event data



Early days
ambitious roadmap until 2010
for the EU MS

Biometrics

Face



ICAO not good enough

Fingerprints

Images



Proven and mature

Templates



Multiple Standards
need more convergence
Recent tests show that they
work but there are gaps

Summarise ...

Technology exists
Problems are known
Standards are sufficiently mature

For cross-border interoperability

if trust is required for the identity then
we have to stop relying on traditional methods of identity
For digital identities : how are we going to use the new
identity technologies in trust situations



Thank you

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