

Creating a European Identity Management Architecture for eGovernment





Scope of GUIDE

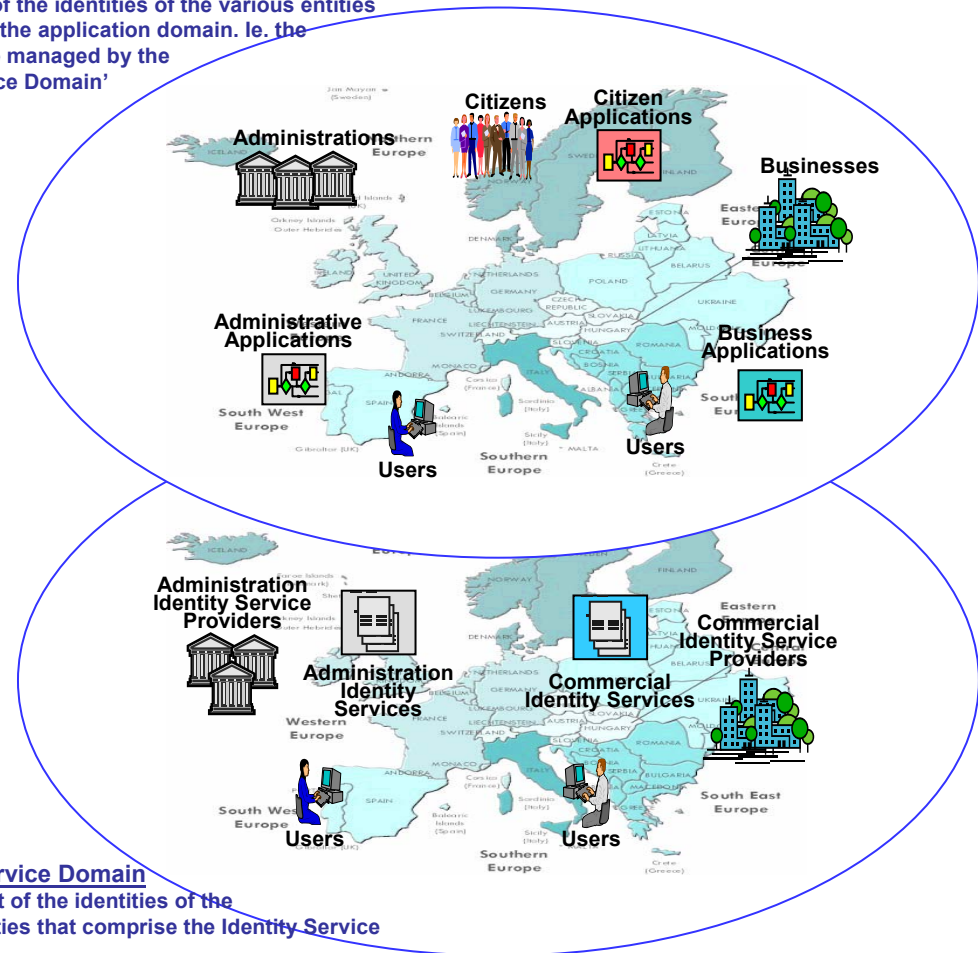
- Technology research project
- Develop a technological, institutional, policy and socio-economic architecture for eGovernment services in the EU
- Based on sub-sets of selected standards
- Describes a full architecture, which is proven in trials

Target Problems Addressed

- How to identify citizens and businesses in foreign countries
 - Does the entity exist?
- How to authenticate foreign citizens in eGovernment context
- How to support electronic signatures that are made in other member states
- How to exchange attributes about businesses and citizens in cross-border application settings

Application Domain

Management of the identities of the various entities that comprise the application domain. I.e. the things that are managed by the 'Identity Service Domain'

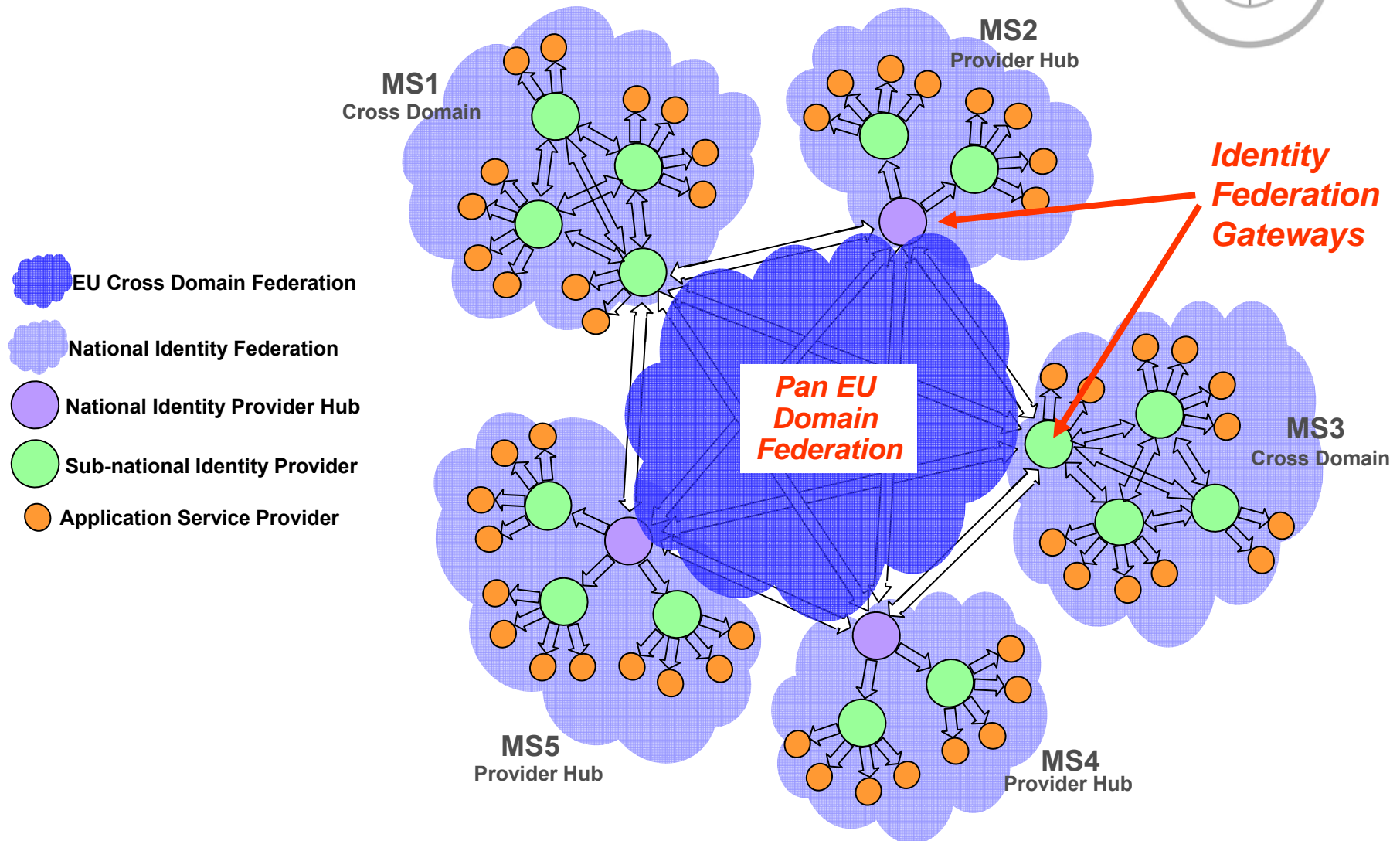


Identity Service Domain

Management of the identities of the various entities that comprise the Identity Service itself.

Architecture Summary – Concept

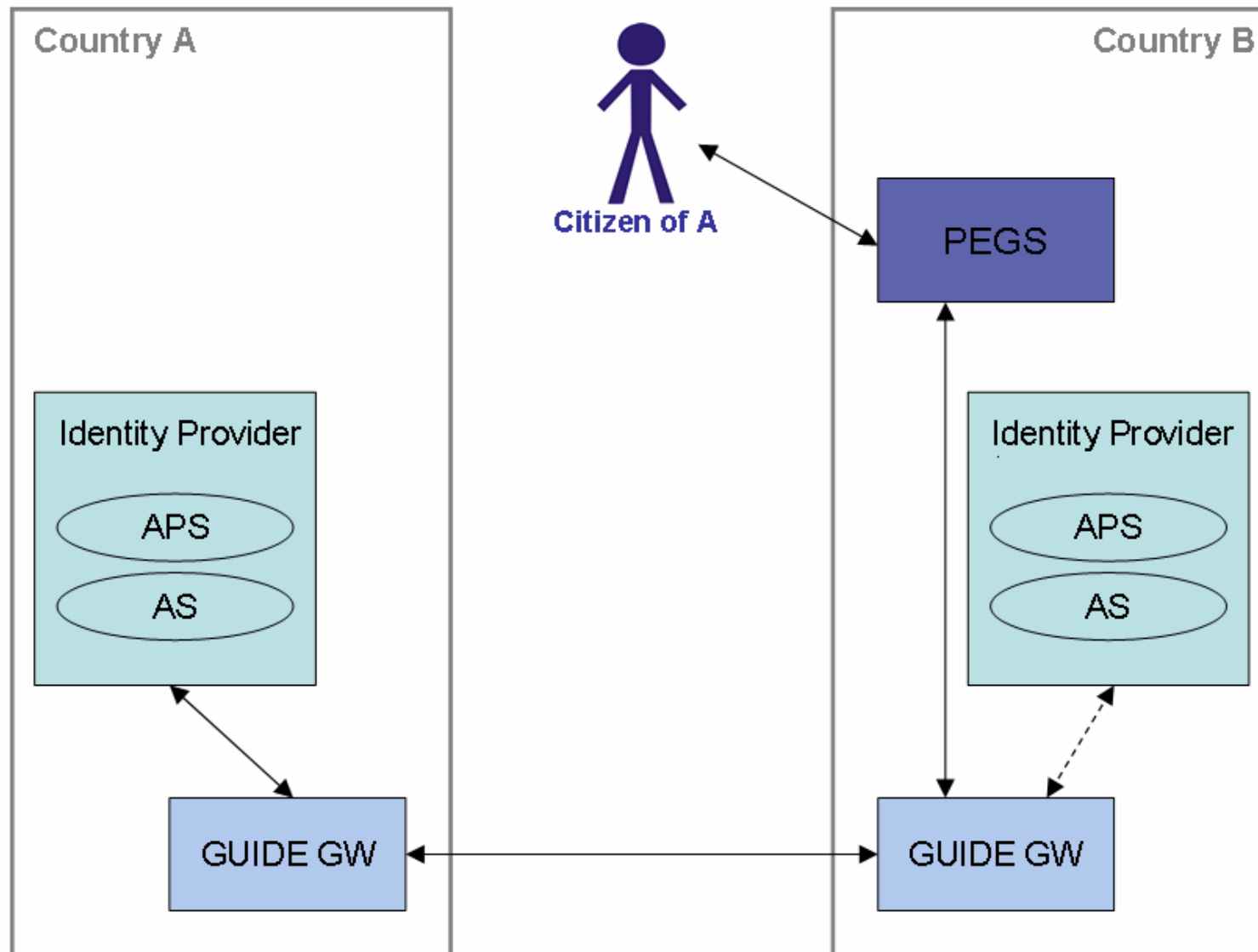
- A Federation of Federations



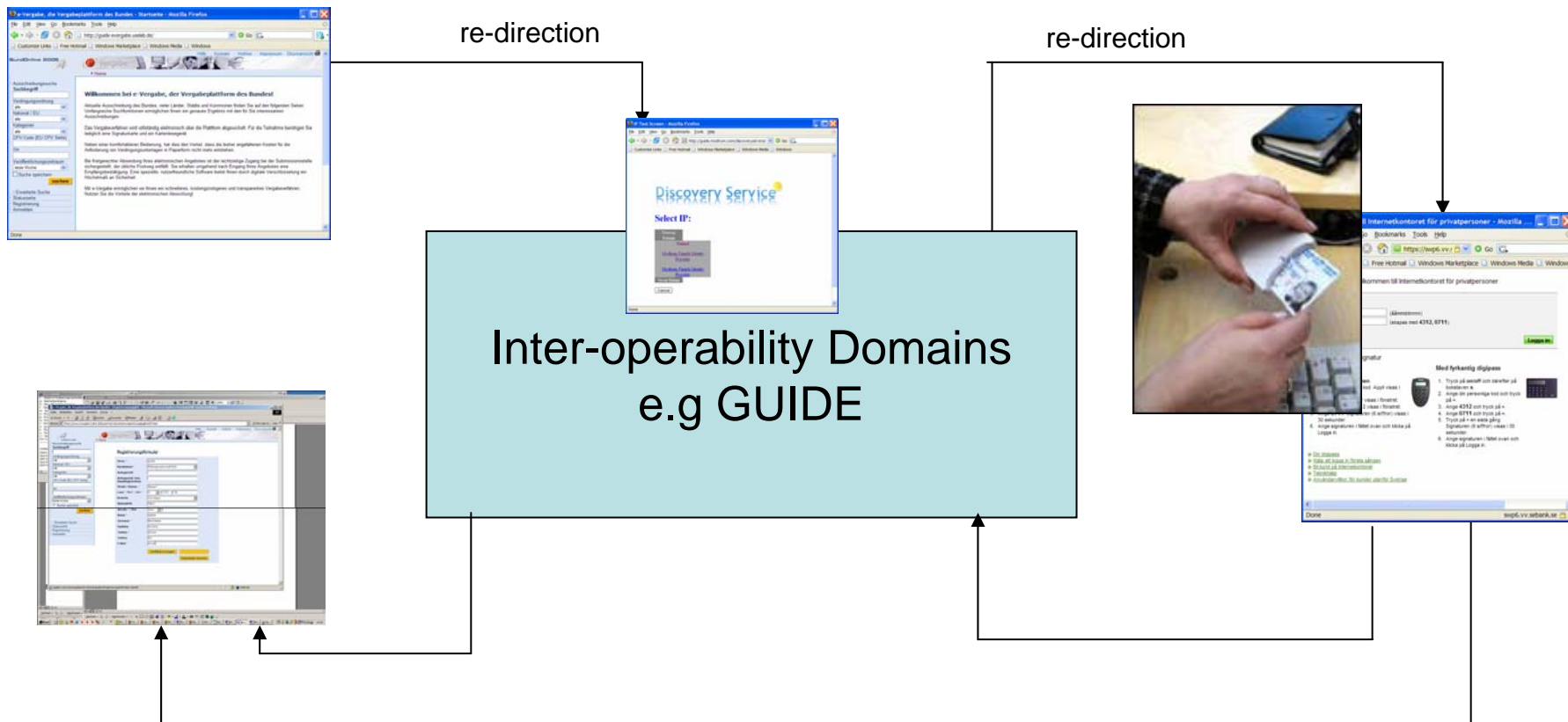
Reference Architecture Summary:

- Example use case for interoperability

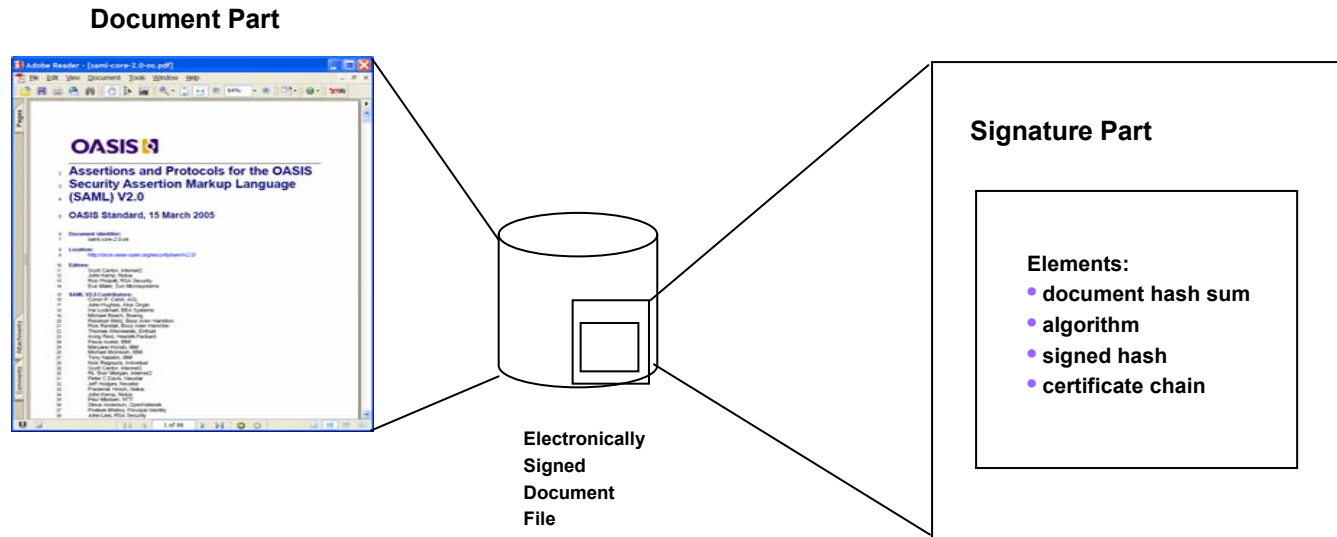
guide



Cross-Border Authentication



Support for Electronic Signatures



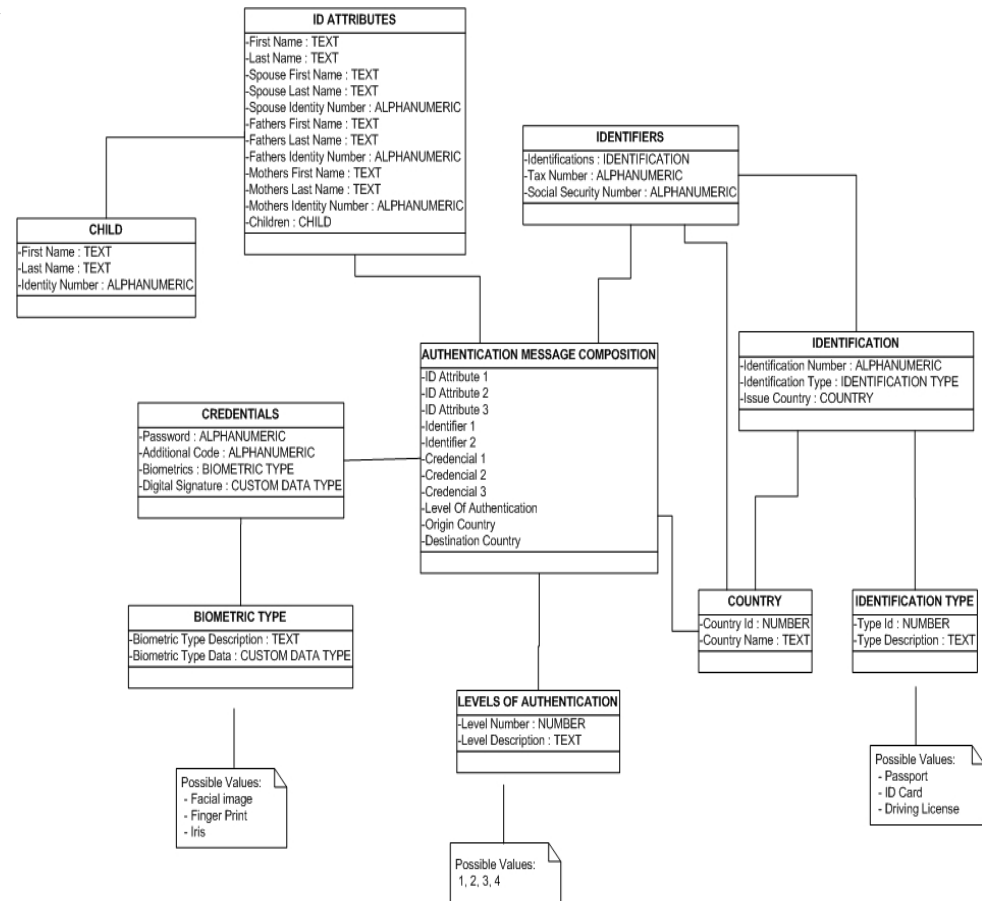
Identify Business

Validate Signer Authority

Validate Certificate Chain

A common EU-wide ID Data Model?

- How is electronic identity defined
- No single id namespace
- What are the minimum attributes
- GUIDE Proposal
 - Name
 - Birth date
 - Nationality
 - One or more domestic ids





Deployment Challenges

- GUIDE is an EU technology research project and not a standardization body
 - GUIDE specifications maintenance unclear
- GUIDE implementation requires member state commitment
 - Difficult to get, if the specification does not have a clear roadmap of maintenance
 - The problem of the “first phone”: if not enough MS implement something similar, it has little value for early adopters until critical mass is reached
 - Alternative: build it at EU-level with MS agreement