Federal Office
for Information Security

SMART BORDERS

Identity Management in Germany @ BSI

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Agenda

- Identity Management (IDM)? A Definition.
- German Stakeholders and IDM Foundation
- Technology and Analysis for IDM
- Example Activities

Identity Management (IDM)? A Definition.

Public Sector Identity Management? A Definition.

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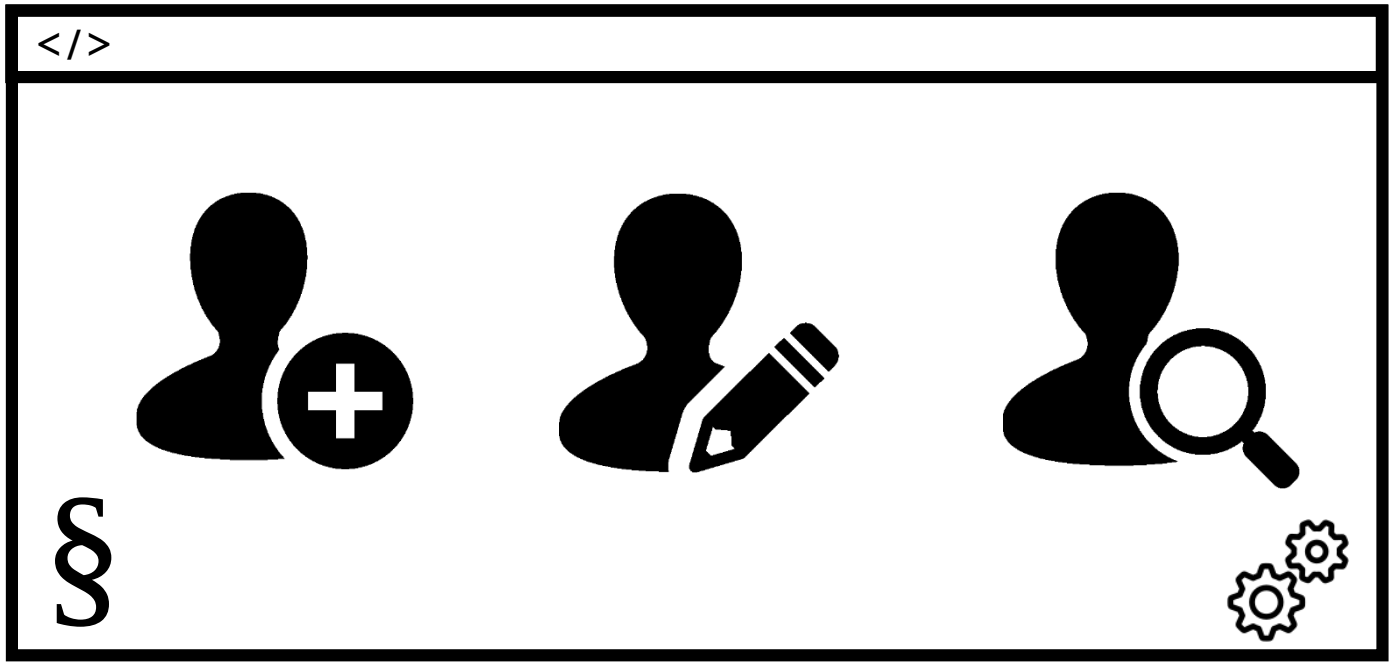
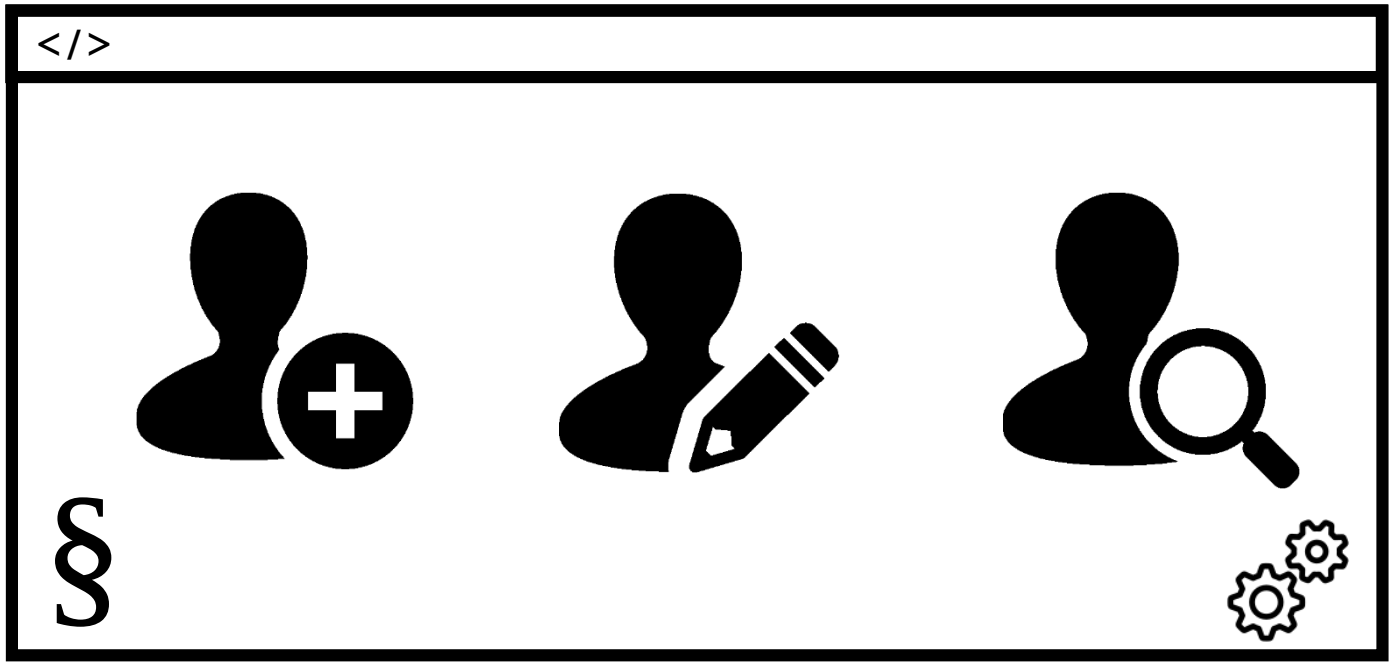


Public Sector Identity Management? A Definition.



We understand Identity Management as all IT-supported administrative measures which allow an efficient and secure legal enrolment, update or identification of an identity of a person.

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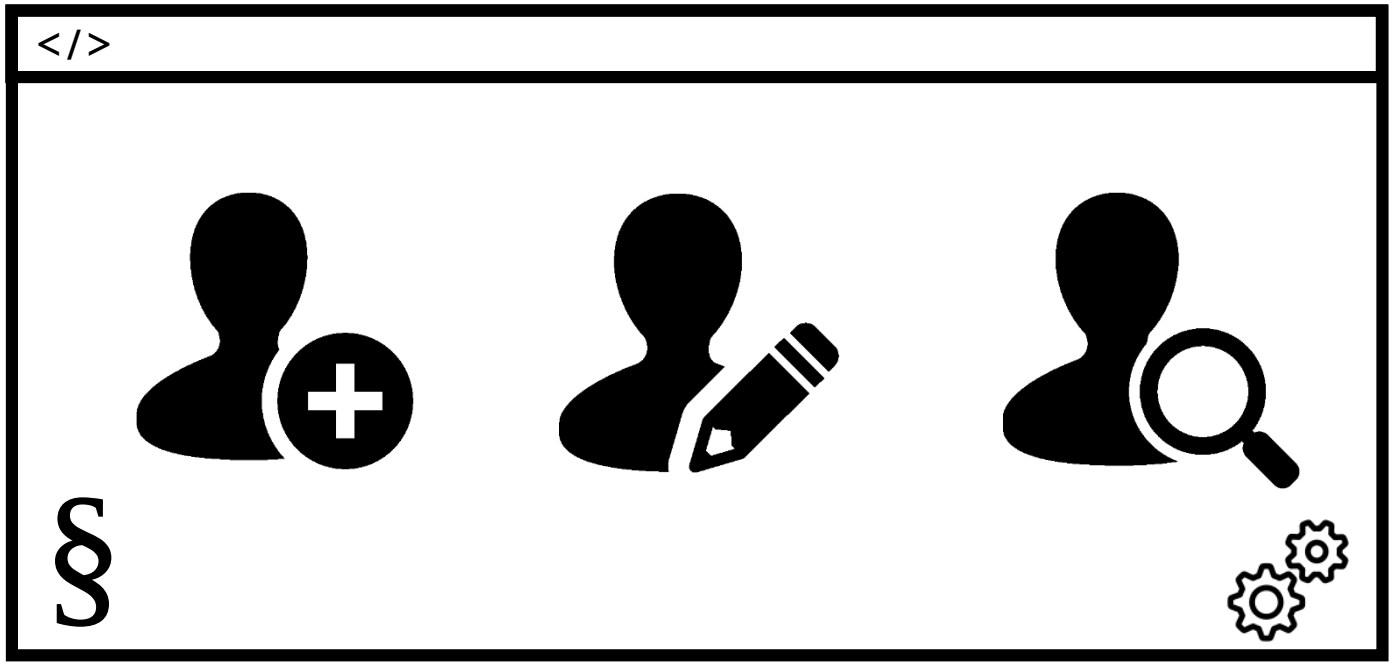

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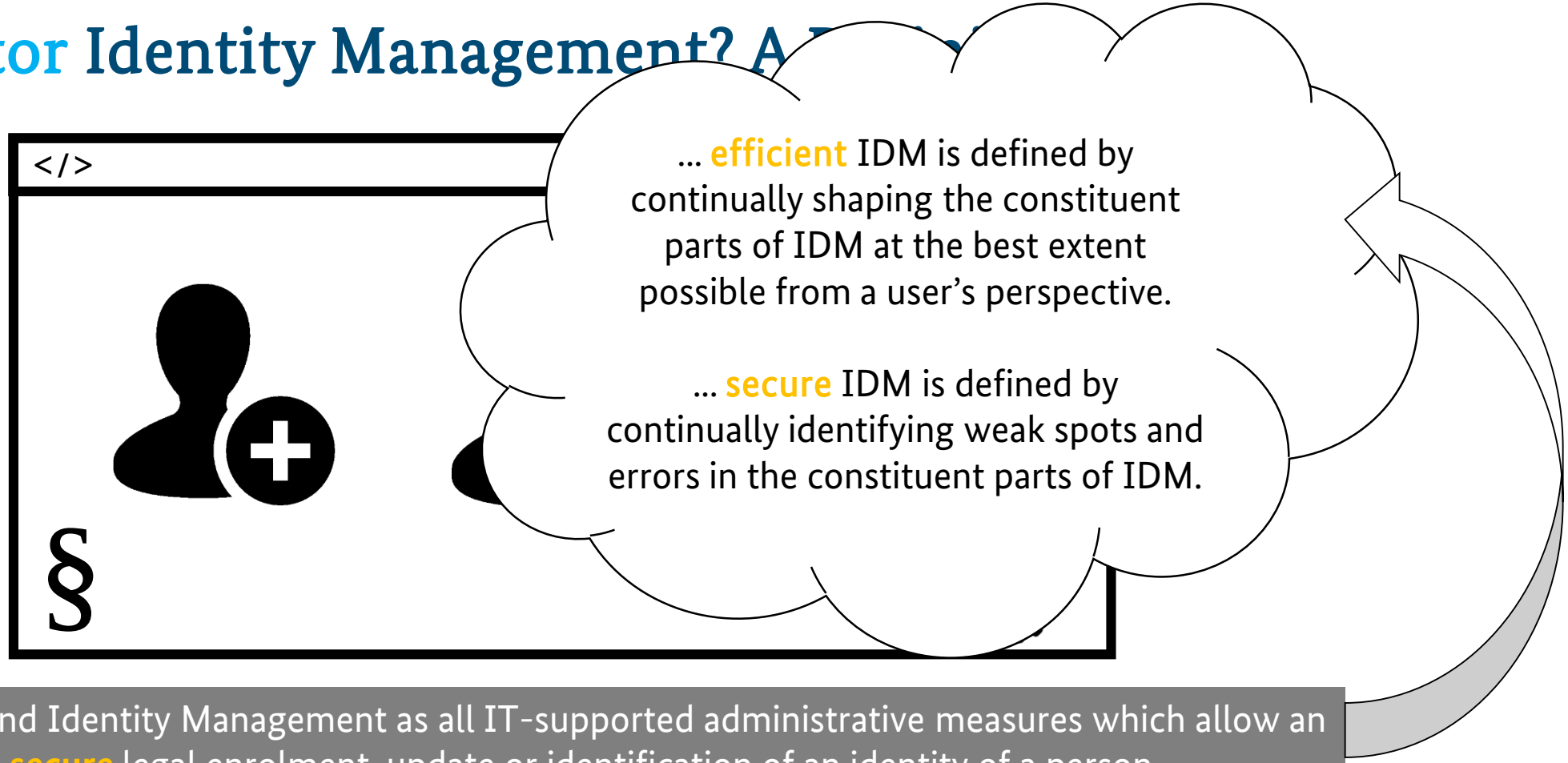
Public Sector Identity Management? A



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German Stakeholders and IDM Foundation

Foundation of an efficient and secure IDM?

Public Sector Identity Management

Armed Forces	Services	Justice	LEA	Border	Federal Administration	Asylum	Foreign Affairs	Police	Federal States
Access control camp	System KON	National Systeme ECRIS-TCN, ...	ZIMP, AFIS, ...	EasyPASS, IGA, SSS, GES-GK ...	BCK, RTP, IntegrIS, NBMS, VIS GA, ...	PIK, ...	Visaclients, ...	Clients checks on territory, records department, asylum, ...	Clients asylum and civil registration, ...

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Foundation of an efficient and secure IDM?

Public Sector Identity Management

Armed Forces	Services	Justice	LEA	Border	Federal Administration	Asylum	Foreign Affairs	Police	Federal States
European Regulations and Directives									
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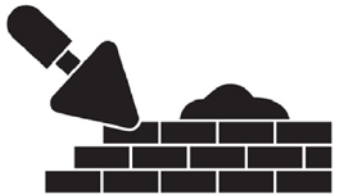

Analysis and Management of Data and Process Quality?

Biometrics?

Machine Authentication of Documents?

IDM Project Support?

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BSI Technology and Analysis for IDM

Public Sector Identity Management

Armed Forces	Services	Justice	LEA	Border	Federal Administration	Asylum	Foreign Affairs	Police	Federal States

European Regulations and Directives

National Regulations and Directives

Technical Requirements and Standards

Armed Forces	Services	Justice	LEA	Border	Federal Administration	Asylum	Foreign Affairs	Police	Federal States
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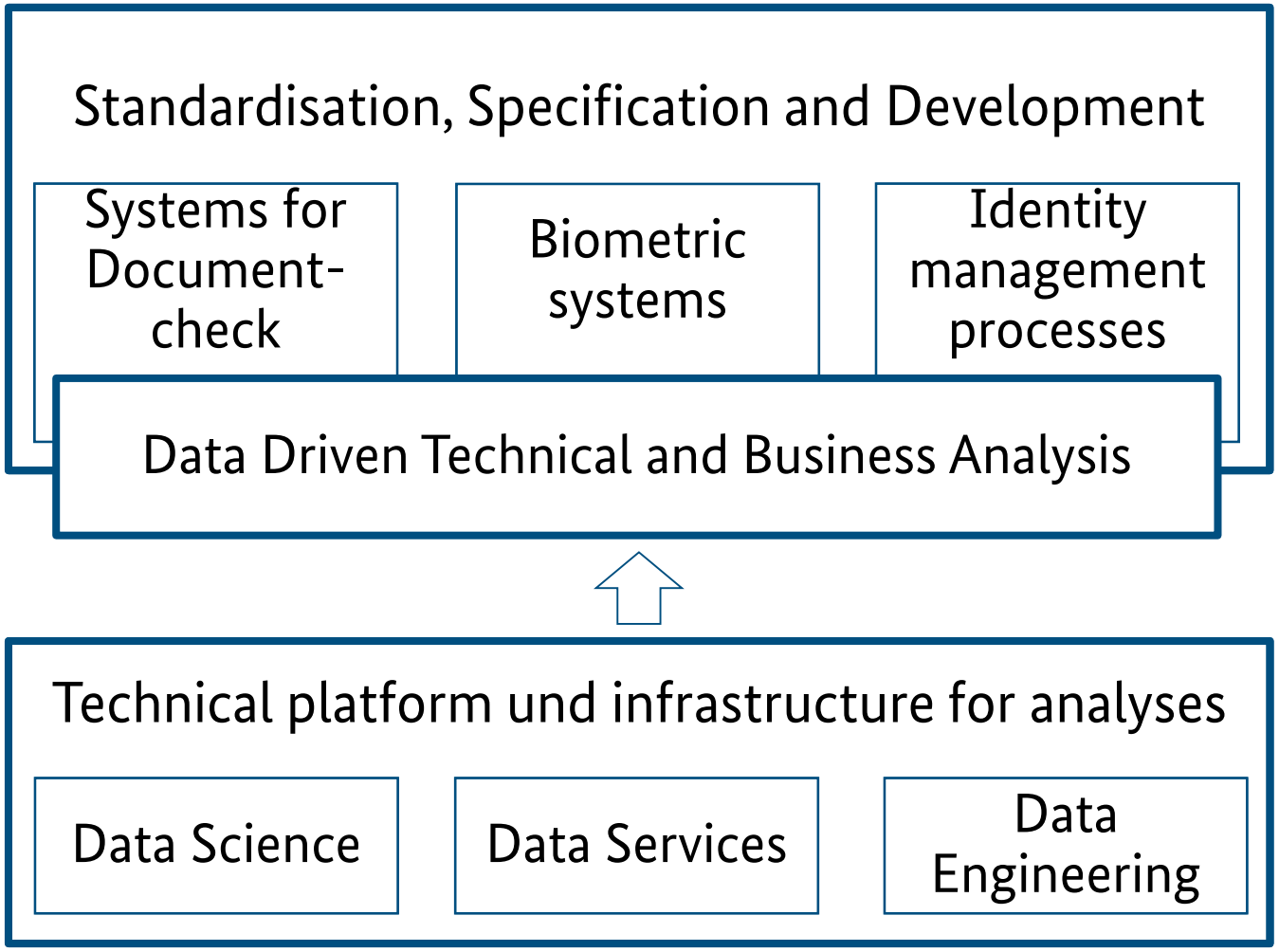
Machine Authentication of Documents, Biometrics, Analysis and Management of Data and Process Quality and IDM Project support

Technology and Analysis for IDM

Services

BSI: Technology und Analysis in Public Sector Identity Management



BSI offers following extern and intern services to national agencies:

1) **Specification und Standardisation** through participation in diverse meetings, Technical Guidelines, certification and advice on demand
2) **Development** of IDM-solutions and Proof-of-Concepts for Public Sector Identity Management
3) **Technical and Business Analysis** in operative systems and as an intern basis for 1) und 2).

In order to enable the data driven analysis, BSI runs a t**echnical platform and infrastructure (data warehouse).**

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Goal, Mission and Challenge

BSI: Technology and Analysis in Public Sector Identity Management

Goal

"An efficient and secure IDM in the federal government is ensured in the long term and thus complete digitization in applications of border control, police and migration authorities is achieved."

Mission

„Specialist task of BSI for technology **and** analysis provides the operational authorities with **cross-sectional services** for the planning, testing, evaluation as well as introduction and operational system support of technologies and processes.

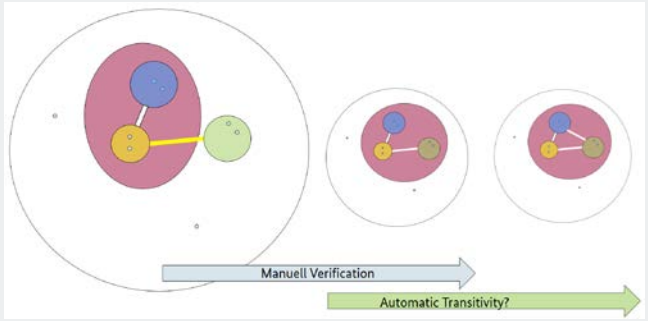
Challenge

„Increasing complexity due to constituent parts of IDM and processes extending beyond the boundaries of authorities, domains and IT systems, as well as difficult and diverse European requirements, incomplete special legal regulations and a very high need for specialised expertise"

Example IDM Activities

Standardised, Efficient and Secure IO Yellow Link Process

1)



How do we clear yellow links?

- Biometric information / quality?
- Alphanumeric information / quality?
- Identity structure information?

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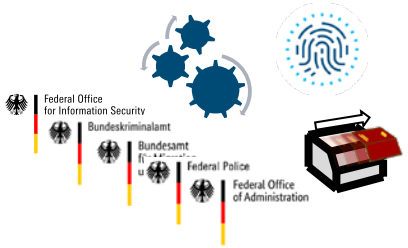
* Currently under discussion

Standardised, Efficient and Secure IO Yellow Link Process

EU Regulations and IA/DA, Interface Control Documents



Expert Knowledge and Best Practice

National Legislation

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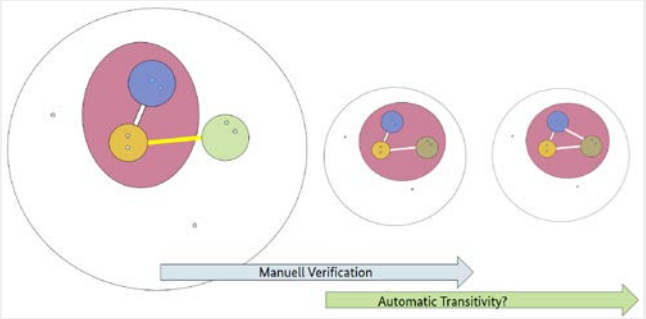

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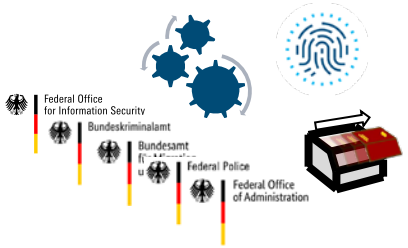

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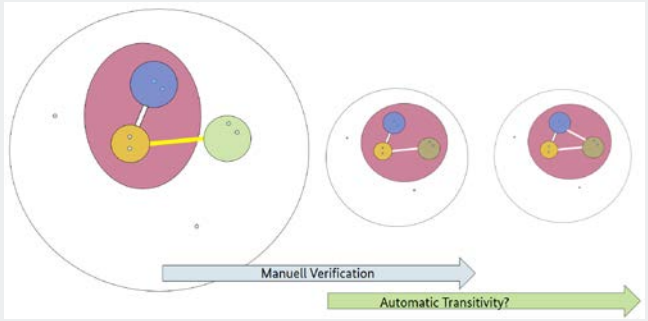

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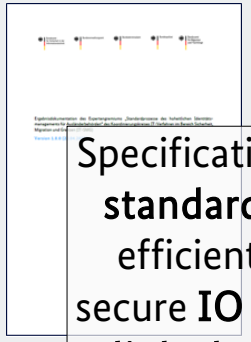

Specification of a **standardised,** efficient and secure **IO yellow link clearing process**

Permanently updated standard needed?*

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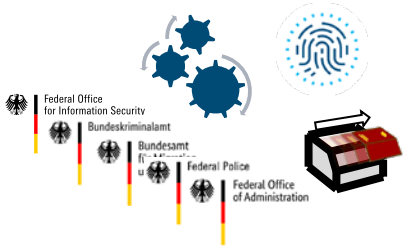
Standardised, Efficient and Secure IO Yellow Link Process

EU Regulations and IA/DA, Interface Control Documents



Expert Knowledge and Best Practice

National Legislation

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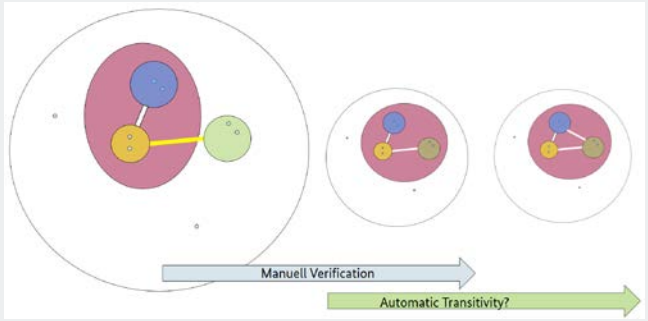

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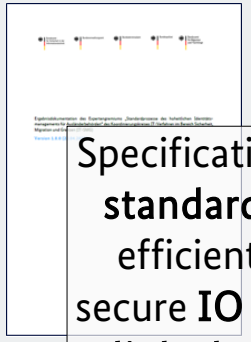
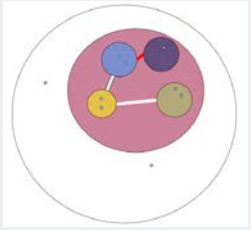
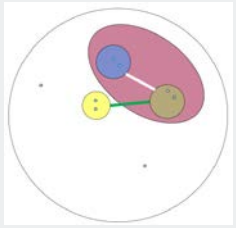


Specification of a **standardised,** efficient and secure **IO yellow link clearing process and tool requirements**

Permanently updated standard needed?*

2)





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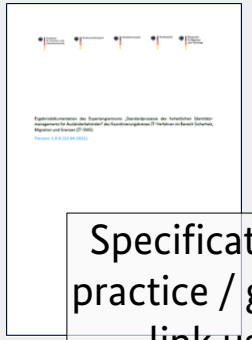

Specification of best practice / guideline on link usage for multiplicators*

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* Currently under discussion

Standardised, Efficient and Secure IO Yellow Link Process

EU Regulations and IA/DA, Interface Control Documents

Expert Knowledge and Best Practice

National Legislation

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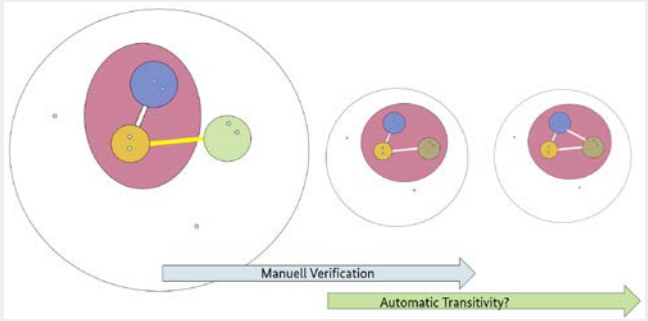

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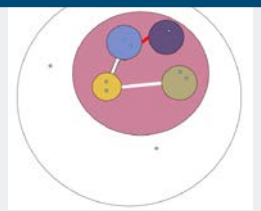

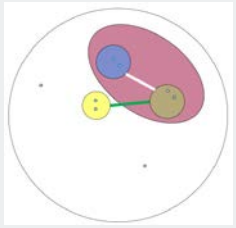

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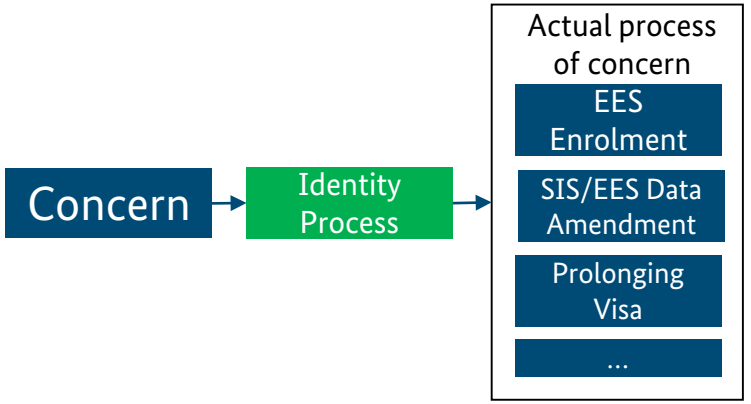
Standardised, Efficient and Secure IDM Process for Asylum Authorities

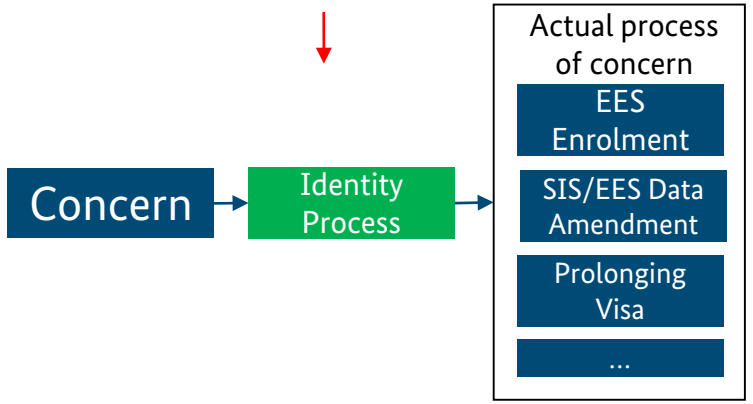


Specification of an efficient and secure **standardised IDM process** for EES/SIS processes at asylum authorities + technical requirements on biometrics, doc-check and process data

Standardised, Efficient and Secure IDM Process for Asylum Authorities

Federal Office for Information Security
Bundeskriminalamt
Bundesamt für Migration und Flüchtlinge
Federal Police
Federal Office of Administration

Expert Knowledge and Best Practice



EU Regulations and IA/DA, Interface Control Documents

National Legislation

Specification of an efficient and secure **standardised IDM process** for EES/SIS processes at asylum authorities + technical requirements on biometrics, doc-check and process data

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Standardised, Efficient and Secure IDM Process for Asylum Authorities

Requirements on Data Driven Process Analysis

Requirements on Document Authentication

Requirements on Biometrics

Federal Office for Information Security
Bundeskriminalamt
Bundesamt für Migration und Flüchtlinge
Federal Police
Federal Office of Administration

Expert Knowledge and Best Practice

Concern → Identity Process → Actual process of concern
- EES Enrolment
- SIS/EES Data Amendment
- Prolonging Visa
- ...

EU Regulations and IA/DA, Interface Control Documents

National Legislation

Specification of an efficient and secure **standardised IDM process** for EES/SIS processes at asylum authorities + technical requirements on biometrics, doc-check and process data

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Standardised, Efficient and Secure IDM Process for Asylum Authorities

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Federal Office for Information Security
Bundeskriminalamt
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Expert Knowledge and Best Practice

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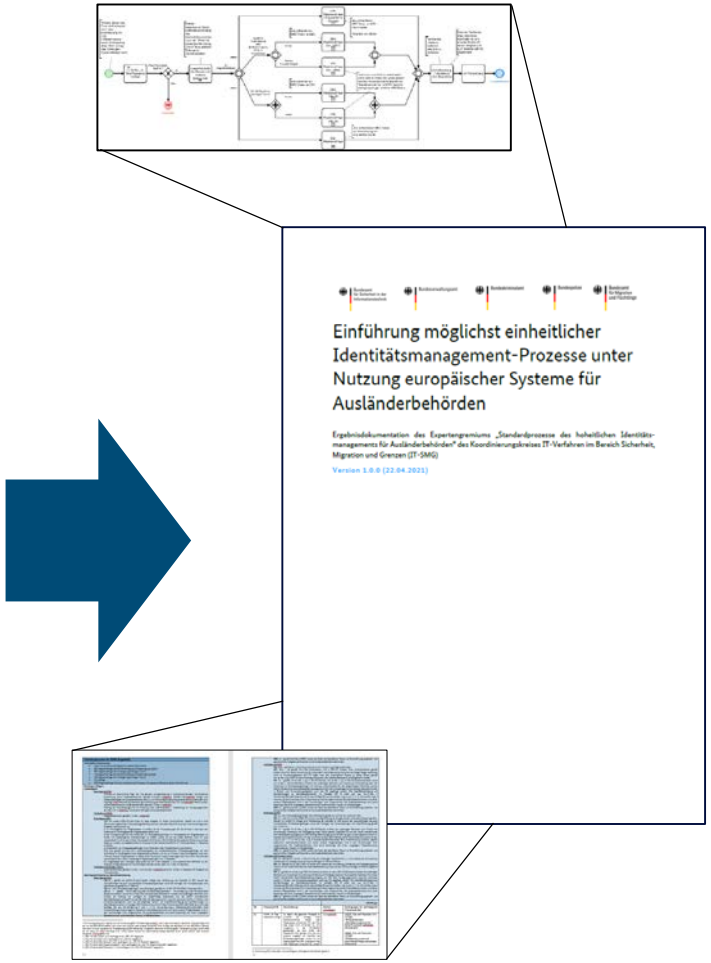

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Standardised, Efficient and Secure IDM Process for Asylum Authorities

Requirements on Biometrics

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Bundeskriminalamt
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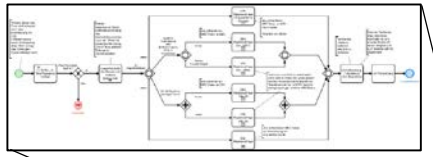
Expert Knowledge and Best Practice

Actual process of concern



Requirements on Data D
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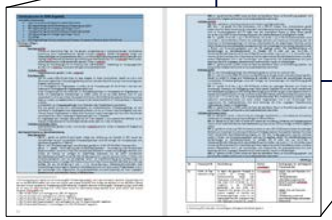

National Legislation

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Thank you for listening.

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