



Development of Core Components in Germany

Brussels, 2nd February 2009

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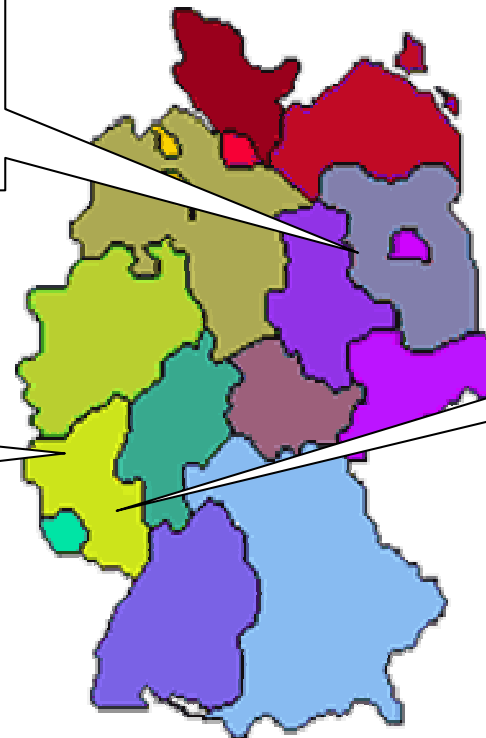


E-Government in Germany

**Federal administration
actually is engaged with:**

- Deutschland-Online
- E-Government 2.0

**16 federal states
act upon masterplans**



**14.500 municipalities
provide online services**

Standardisation – Prioritised project of Deutschland-Online

Who?

- The Conference of Minister-Presidents passes the "Deutschland-Online" action plan on 22nd June 2006. It emphasises standardisation of data exchange formats as a prioritised project

Why?

- Enhanced interoperability in electronic data exchange and deliberate cutting of administrative burden



How?

Cooperation between different administrative tiers in Germany

- Development of uniform standards for data exchange
- Provision of a central infrastructure for standardisation

Measures of the project „Deutschland-Online Standardisierung“

- Steering and coordination of the development of data standards for eGovernment in Germany
- Development of cross-domain data standards
- Provision of a central infrastructure
- Development and provision of tools and methods for the development of data models

Strategic goals

- organisational
- semantic
- technical

Interoperabilit

Proceeding in standardisation

- „Datenkonferenz“: Board for the identification, development and maintenance of cross-sector data models / semantics
 - Overall Control: Federal Ministry of the Interior and state of Bremen
 - Participants from the federal, state and municipal levels / XÖV
 - Joint development and coordination of cross-sector data models
- Determination and use of a uniform methodology for the harmonisation and standardisation of data models
 - Core Component Technical Specification (CCTS) by UN/CEFACT as a starting point
- Central provision of data models as a library of "core components" (e.g. Name, Address)
- Further development and maintenance of core components

Concept of Core Components

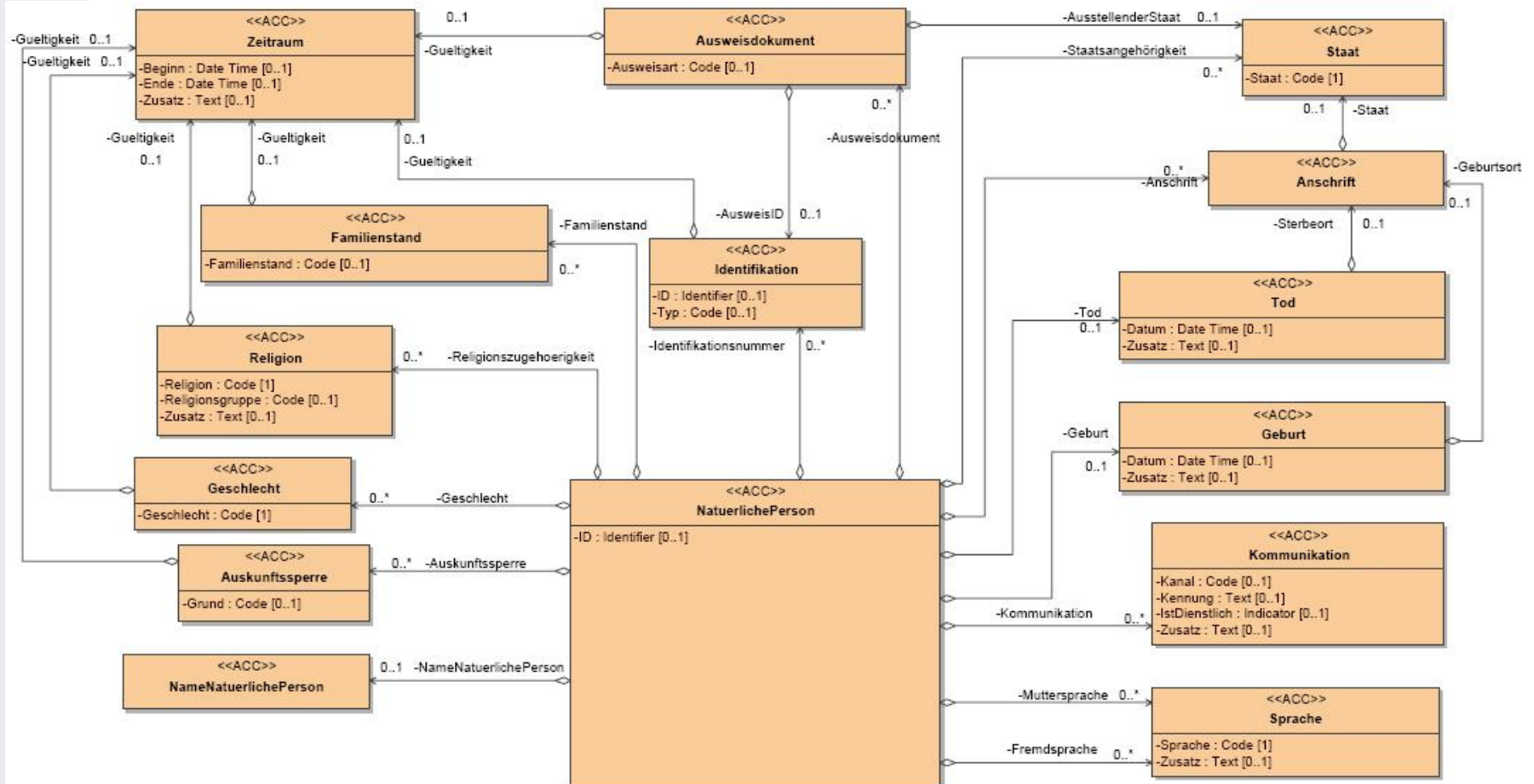
- Recommendation of German Association BITKOM
- Decision to use UN/CEFACT CCTS made in 2006

Examples of variation

- Own library of core components suited for German administration
- Description and classification in German
- Simple categorisation of context
- Naming of core components follows „UpperCamelCase“
- Semantic disjointedness of ACCs or BCCs, respectively
- CDT based on W3C data types

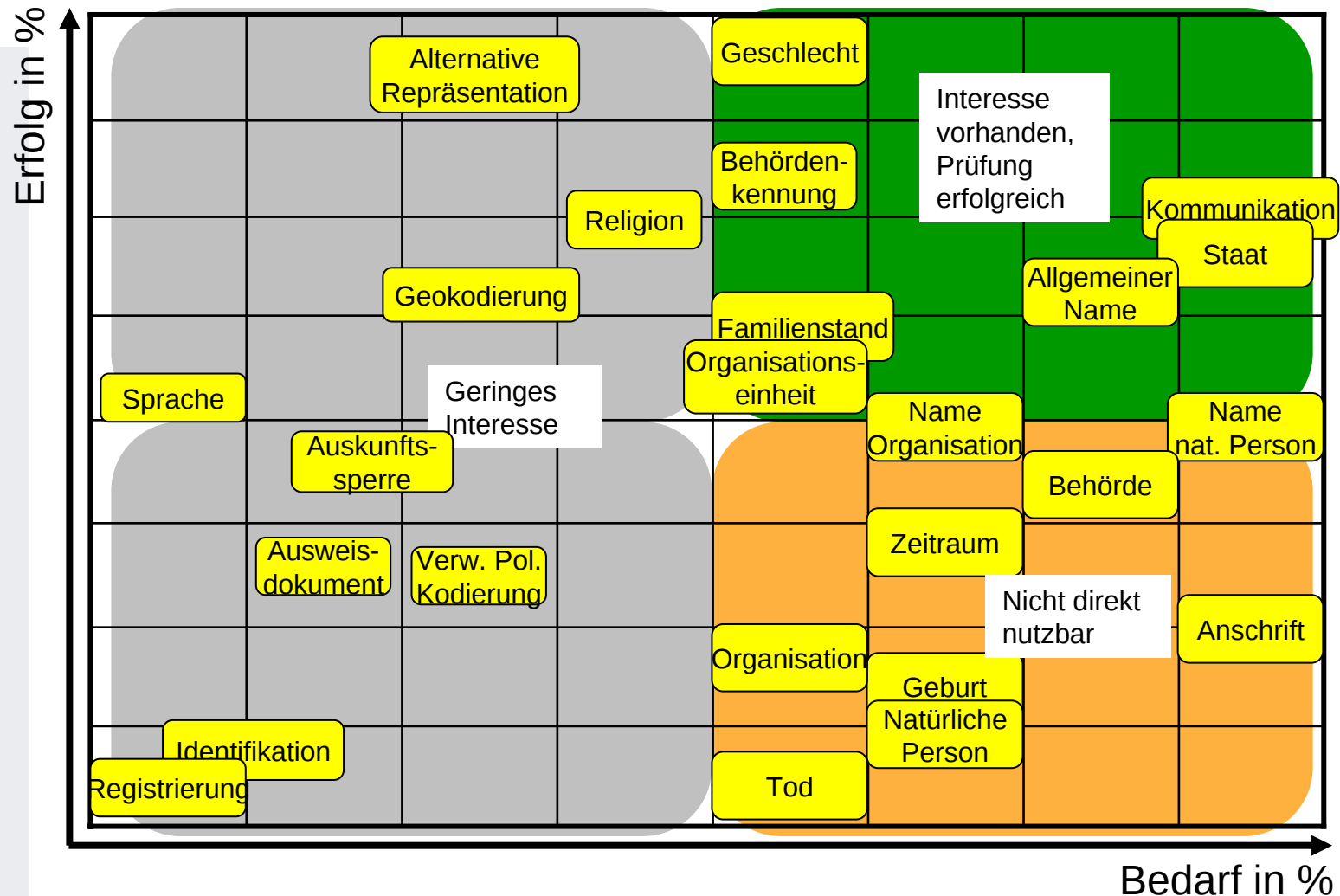
XÖV- Core Components

• Aggregierte Kernkomponente „Person“



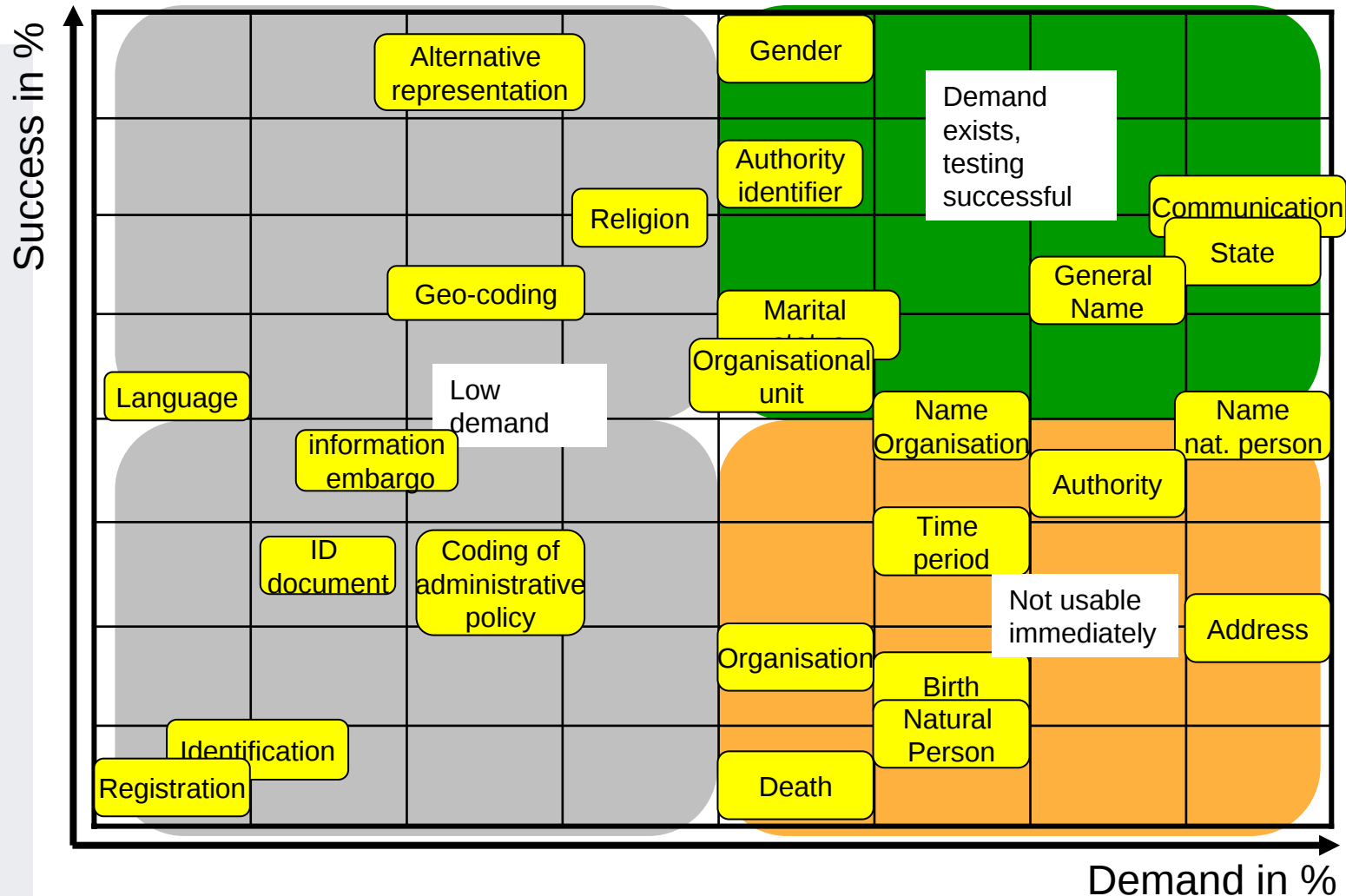


Results of a trial of core components





Results of a trial of core components



Further requirements from the trial

- Inclusion of additional information (as BCC or ASCC)
- Modification of existing components regarding naming, description, multiplicity or data types
- Reduction of complexity at core component level
- Simplification of structures at level of business information entity
- Aggregation of BCCs vs. greater detail of BCCs
- Practical optimising of the set of rules in order to increase reuse – goal 80:20 → the slightest deviations lead to breach of rules

Conclusions and tasks

- Completion of core component library by mid 2009
- Methodological advancement necessary (Technology Group)
- Organisation of knowledge transfer into projects
- Re-testing of results of projects
- Development of uniform code lists
- Harmonisation of legal and organisational demands

XRepository

- Content of XRepository
 - Interdisciplinary data models (core components)
 - Sector-specific data models (e.g. XMeld, XJustiz)
 - Mappings between data models
 - Further information and documentation on data models
 - XML-Schema
 - Cross references between standards
 - Model descriptions
 - References on migration



DEUTSCHLAND
ONLINE

DEUTSCHLAND-ONLINE
STANDARDISIERUNG

XRepository - „Look and Feel“

<http://xrepository.deutschland-online.de/xrepository/>

The screenshot shows the XRepository website. At the top, there is a navigation bar with links: Startseite, Über uns, Kontakt, Sitemap, Impressum, and Hilfe. Below this is a search bar with a 'Suchen' button. The main header features the 'XRepository' logo and a 'Kategoriensystem' tab. A login section includes fields for 'Kennung' and 'Passwort', an 'Anmelden' button, and links for 'Zur Registrierung' and 'Passwort vergessen'. A welcome message reads: 'Herzlich Willkommen im XRepository! Die Koordinierungs- und Beratungsstelle der Bundesregierung für Informationstechnik in der Bundesverwaltung (KBSt) treibt die Standardisierung von Daten- und Prozessmodellen voran und setzt dabei unter anderem auf den Standard XML (eXtensible Markup Language). Diese Weboberfläche bietet Ihnen fachspezifische und fachübergreifende Datenmodelle der öffentlichen Verwaltung zentral an.' Below this, there is a search section with a 'Suche' tab and a 'Kategoriensystem' tab. The 'Suche' section contains a text box, a 'Suchen' button, and a link to 'Erweiterte Suche'. The 'Kategoriensystem' section lists 'Neue Inhalte' with dates and titles: 03.04.2008 » TestNEU Lasttest, 03.04.2008 » jw zack 42, 03.04.2008 » Test JW2 3.0 neu, 02.04.2008 » Anschrift-0009, and 01.04.2008 » jw zack. There is also a link to 'zur Übersicht'. A 'Hilfe' section lists links: » Benutzergruppen und » Registrierung, » Inhalte im XRepository, » Stufen der Qualitätssicherung von Inhalten, » Suche, and » Kategoriensystem. At the bottom, the 'Partner' section lists the Bundesverwaltungsamt - Bundesstelle für Informationstechnik, BIT, and Deutschland-Online Standardisierung.

System was
launched on
22 January!

Questions



Further Informationen

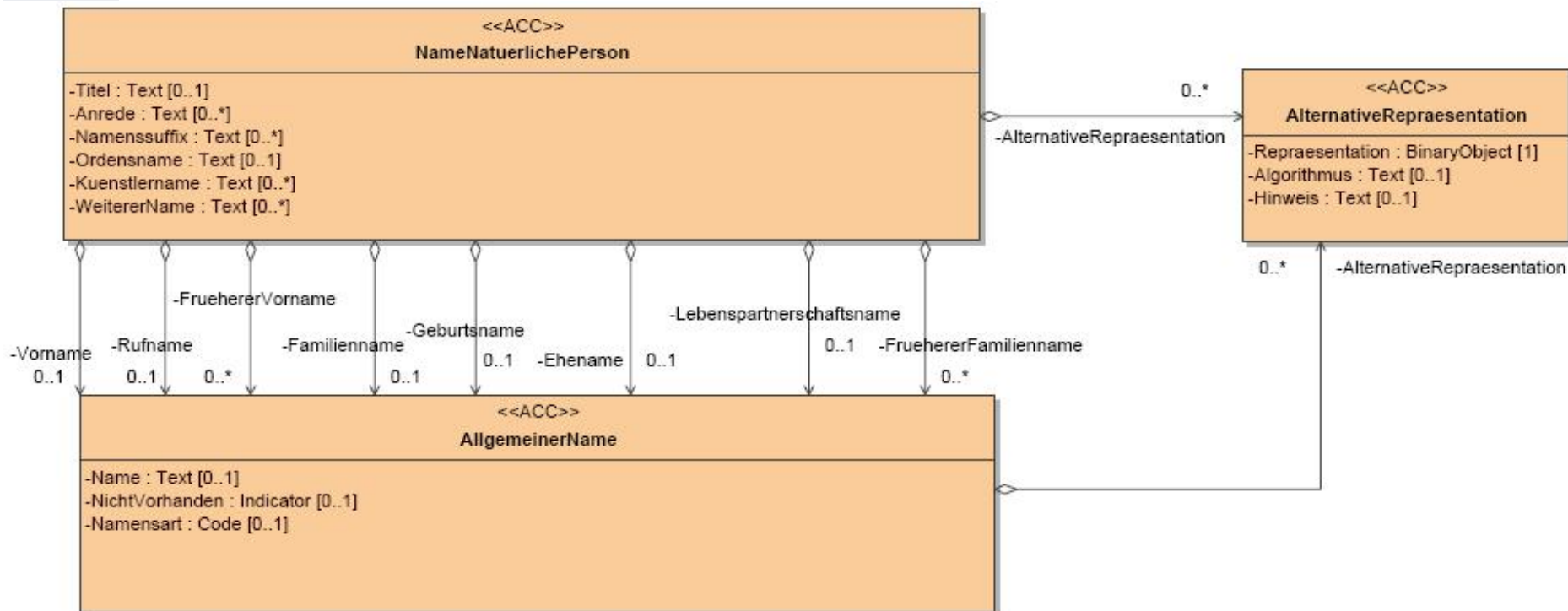
www.standardisierung.deutschland-online.de

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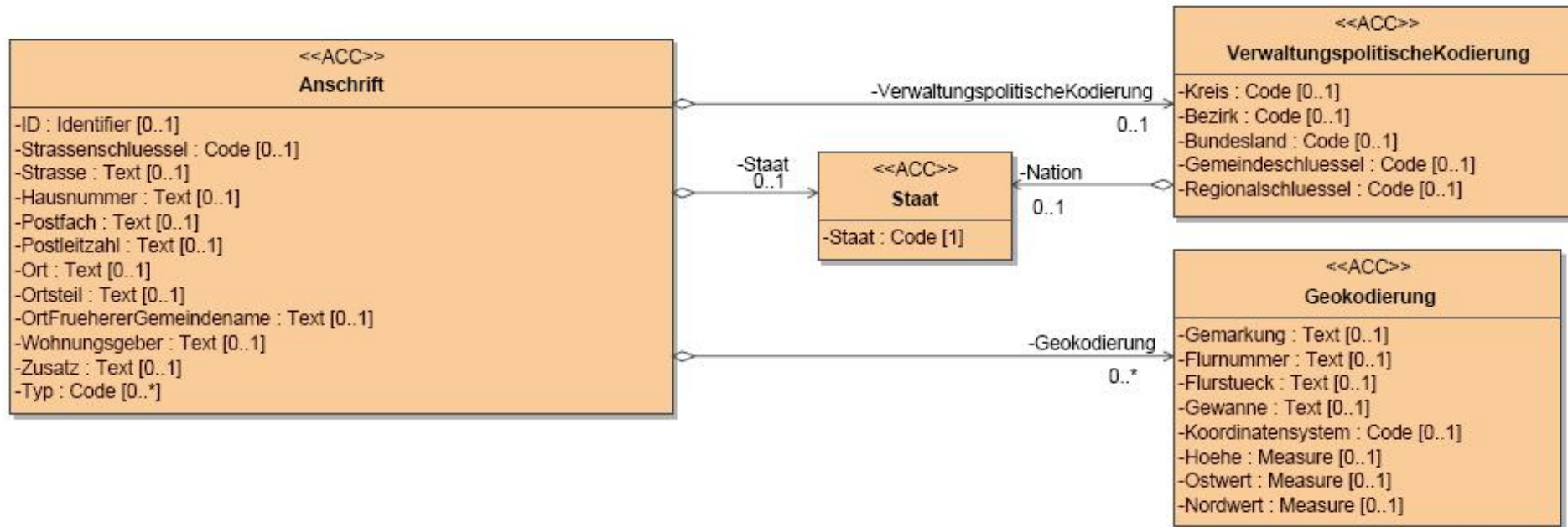
XÖV-Kernkomponenten

- Aggregierte Kernkomponente „NameNatuerlichePerson“



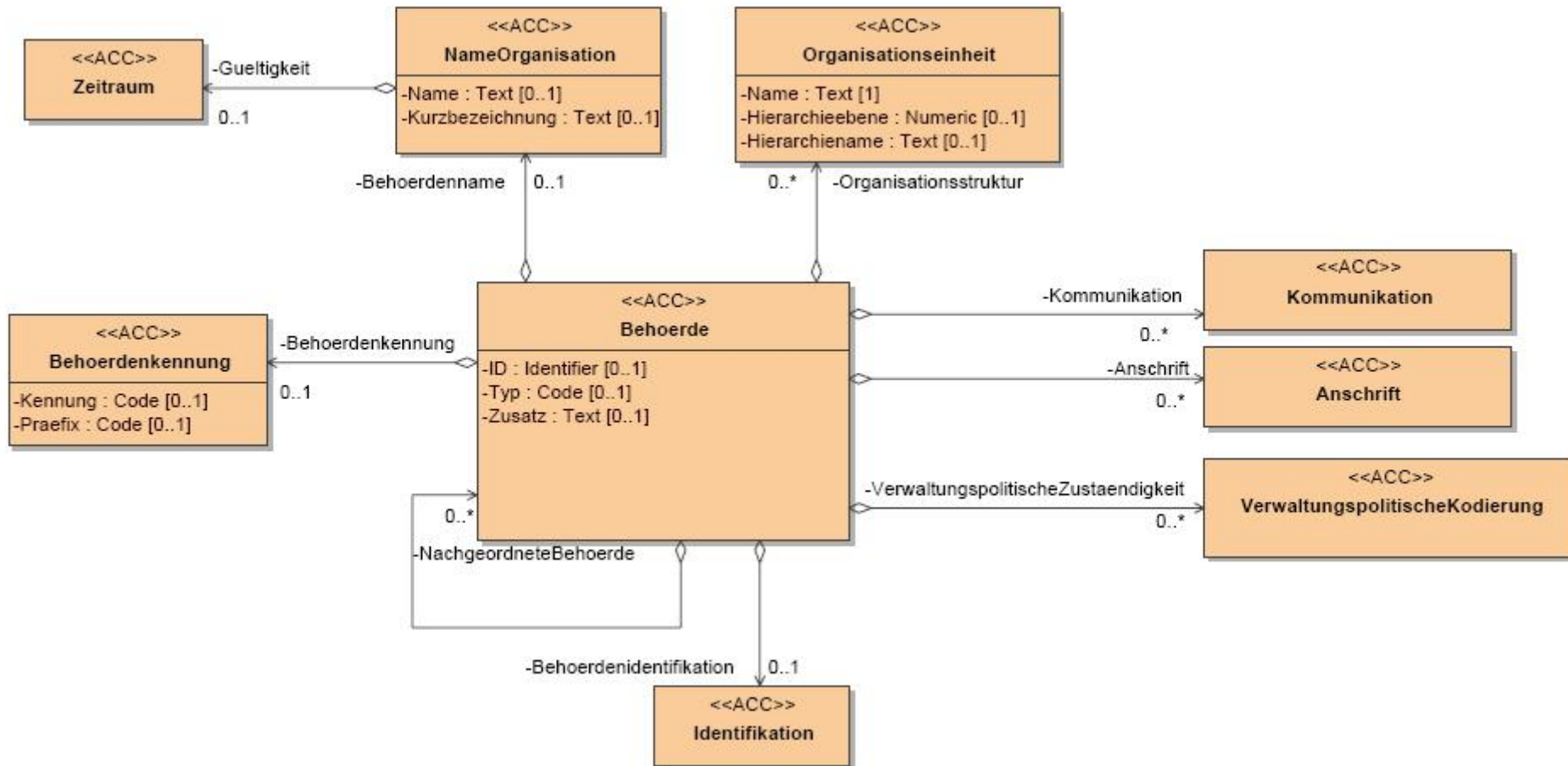
XÖV-Kernkomponenten

- Aggregierte Kernkomponente „Anschrift“



XÖV-Kernkomponenten

- Aggregierte Kernkomponente „Behörde“



XÖV-Kernkomponenten

- Aggregierte Kernkomponente „Organisation“

