GEFEG

Managing e-Standards and Interfaces with GEFEG`s Solutions

Introduction

for the Maritime Sector

About GEFEG

- Specialized B2B/EDI/EAI design time solution provider

- Actively involved in national and international meta data standardization

- International customer base (750+)

- Global reach (35 countries)

- Company founded in 1990

- Privately owned

- Based in Berlin, Germany

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GEFEG Software and Technologies in Use by Major Players

EU DG TAXUD UCC-DA, UCC-IA

WCO WCO Data Model

UN/CEFACT Production of Core Component Library and XML schemas, and QA for EDIFACT directories

IATA, FIATA eTir - UN/CEFACT TBG3 transport documents

GS1 Production of GS1 EANCOM®

SWIFT Standard Developer Kit (SDK)

CEN/BII Development and publication of European supply chain standards

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GEFEG – Standards Experts

UML: CCTS, CICA, ISO 20022, WCO Data Model, others

XML: GS1, ISO 20022.MX, OAGIS, SEPA, RosettaNet, UBL, any XSD

EDI: GS1 EANCOM®, EDIFACT, EDIFOR, Odette, SAP IDoc, SWIFT MT, Tradacoms, VDA, X12, corporate standards

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The GEFEG.FX User Community (Selection)

Customs

- Canada
- Finland
- Germany
- Ireland
- The Netherlands
- New Zealand
- Sweden
- Thailand

Governments & Administrations

- EU DG TAXUD
- US Defense Contract Management Agency
- Bundesnetzagentur
- Svenska Kommunförbundet

Standard Developing Organizations

- World Customs Organization
- GS1
- S.W.I.F.T
- UNECE

Information Technology

- SAP
- Software AG USA
- Telekom Deutschland
- T-Systems International
- XILINX Ireland

Maritime

- DAKOSY Datenkommunikationssystem AG
- dbh Logistics IT AG

Finance & Insurance

- Deutsche Bank
- Deutsche Bundesbank
- Euroclear
- Nordea Bank
- SIX Group

Electronics

- Hewlett Packard
- Philips
- Robert Bosch
- Sharp Electronics
- Siemens

Automotive

- BMW
- Continental Tires
- Goodyear Dunlop Tires
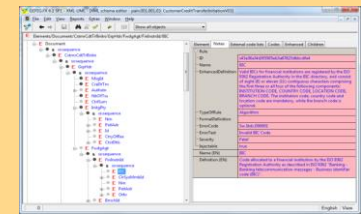- Volkswagen AG
- Volvo

Logistics & Transport

- DHL
- IATA
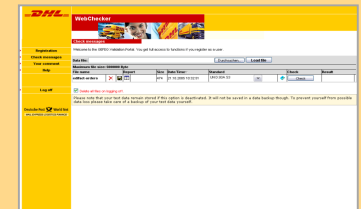- Kühne + Nagel
- Rhenus
- Schenker

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GEFEG`s Portfolio

GEFEG.FX
Message Design Editor: management of e-Standards for the complete lifecycle, guidelines,

mappings, test data, local validation, publication

GEFEG.Portal
Web solution for publication, validation, rollout support and collaboration with 24/7 availability

GEFEG.Content
Delivery of standards, such as EDIFACT, GS1 eCom Standards, IDoc, ISO20022, OAGIS, UBL, VDA, WCO Data Model, UN/CEFACT XML, X12 etc.

GEFEG.Services
Professional services, such as business consulting, concepts, training courses, workshops

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GEFEG.FX Benefits

Efficiency and quality gains
through the use of single source principle, by reducing manual documentation and maintenance work and fast and easy testing

Minimizing data redundancy & maximizing compliance
by reuse of data and guide technology concept for specifications

Collaboration of project teams, business partners and communities
by using central repository and version control features

Minimizing update and migration efforts
for updates and new releases thanks to document comparison features and guide technology concept

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Design Time Portal

- Quality Assurance - ensure zero errors before production phase

- Web-based compliance checking of EDI and XML Messages

- Publication of message specifi- cations and other related data

- Benefits for senders and receivers contributing to a positive relationship between Customs Agencies, Governmental Agencies and the private sector

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Easy 4-Step Message Compliance Check

Validate Messages

1. Load Message

2. Select Standard

3. Check Message

4. View/Save Check Results

Add-ons

5. View Schema Specification

6. Represent Test Messages in PDF Form

7. Save PDF Form

Enhanced Validation with Business Rules

Syntax Validation: XML Schema /EDIFACT

- Check for Compliance of XML Instance against XML Specification

- Check for Compliance of EDIFACT message against EDIFACT Specification

Semantics Validation: Business Rules

- Status of an object (Required, Optional, Repetition etc.)
- Formats of dates, identification numbers etc.
- Dependencies between objects (if-then rules)
- Custom code values and code list refinements

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GEFEG Message Design Portal
Collaboration – Publication - Validation

SEPA Design Time Portal

Update registration data   Log off   Help

News   Publication   CRs   Workspace   Validation   Tasks   Admin

Aktuelles

06/2013

- **DK Schemata Ve**
  Die Schemata der
- **Korrektur EPC S**
  Die EPC-Schemata

12/2012

- **EPC Schemata v**
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News	Communicate with the Portal's user community by providing a News section.
Publication	Study and download specifications, schema files and other deliverables in this section.
CRs	Enter Change Requests, follow-up and view the most recent status.
Workspace	See the editable artefacts which are the source for the deliverables in Publication and Validation, provided you have editing rights.
Validation	Upload instance files to validate against specifications.
Tasks	Organize the internal work of users, provided you have editing rights (optional).
Admin	Configure the Portal in this section, if you are the administrator.

Disclaimer

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Examples of Publicly Available Portals

- [DHL Web Checker](#)

- [STUZZA Validation.Portal](#) (SEPA Austria)

- [SIX Payment Services](#)

Other portals, used by infrastructure providers, for trading partner on-boarding and versions roll-out, are not public.

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GEFEG.Portal Benefits

Quality assurance
by providing a self-service onboarding service for business partners, suppliers or eCommunity members

Increased interoperability and compliance
by providing a managed service with the original data and supported by reference documentation

Higher user satisfaction
by providing a permanently available compliance service (24/7) without investments in training, soft- or hardware

Speeding time to market of implementations
By accelerating error search, improving error evaluation and thus facilitating errorless messages

GEFEG

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Thanks for your attention.

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