

Industries

Automotive Industry





GEFEG mbH
Storkower Straße 207
10369 Berlin
Germany

+49 - 30 - 979914-0

info@gefeg.com

www.gefeg.com

[GEFEG bei LinkedIn](#)

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Automotive Industry

Up-to-date EDI specifications for efficient delivery processes

Smooth processes in the supply chain of the automotive industry play an important role for efficient delivery processes and thus also for the corresponding EDI specifications.

Many further developments - supply relationships are becoming increasingly international, different supply concepts have led to increased process requirements - have made it necessary to redesign the EDI specifications.

Leading the way in the automotive industry are the standardisation organisations and interest groups in Germany and Europe, i.e. the German Association of the Automotive Industry and Odette. In close cooperation with each other, both have developed a multitude of new recommendations in the past years with the participation of their member companies.

Rationalisation solutions for the automotive industry and its suppliers

For more than 25 years, GEFEG has actively supported the automotive associations VDA and Odette as well as many car manufacturers and companies from the automotive supply industry in planning and streamlining the electronic handling of business processes. A major contribution is the provision of the rationalisation software GEFEG.FX, which is used to develop and regularly update the Odette and VDA recommendations.

Users from the automotive industry use GEFEG.FX to develop, harmonise, specify, maintain, document and test eBusiness standards and specifications, in-house formats, data models and API specifications. The use of GEFEG.FX reduces the workload as well as data redundancy and increases the quality and reusability of data in different data exchange formats and standards.

In addition to the eBusiness standards from the automotive sector, other globally or nationally used standards are also available in GEFEG.FX for the planning, design and documentation of exchange formats, for example UN/EDIFACT, GS1 EANCOM®, GS1 XML, OAGIS, X12, UBL, XInvoice and Factur-X / ZUGFeRD etc.

Error-free incoming messages: Target supplier connectivity through proven test solution

With the widely used validation solution GEFEG.Portal, many companies have already drastically reduced the effort of errors in incoming messages and the resulting effort in correcting errors in their own company. Companies that enable their suppliers to test new messages with the GEFEG.Portal streamline and simplify the implementation phase, rollout and quality assurance of the standards used.

Meanwhile, the GEFEG.Portal offers further functions and benefits. In addition to validation, interfaces can also be published, news about changes or new versions of interfaces can be published, work statuses can be passed on and change requests can be managed and tracked. Another advantage: the GEFEG.Portal offers a central contact point for decentralised working groups

Implement own requirements in compliance with automotive standards

In addition to supplying GEFEG.FX software and GEFEG.Portal, GEFEG also works with and supports companies in the use and customization of standards to meet their own requirements - the requested result is a customer-specific, standard-compliant guideline. In addition to the development of EDI interfaces for classic standards, the professional services also include the development of XML schemas, data models and API interfaces.

GEFEG is actively involved in national and international standardization organizations, e.g. the German ZUGFeRD Initiative. Further standardization organizations, such as DIN, JAIF, Odette, UN/CEFACT and VDA, belong to GEFEG's regular customer base and use the GEFEG.FX software. As already mentioned, GEFEG has been contributing to the standard development of the automotive industry for more than 25 years.

Automotive Industry Standards

Included with GEFEG.FX and as a basis for validation in GEFEG.Portal

- Odette Messages
- Odette Pre-EDIFACT Messages
- Odette XML 2007
- Odette XML Guidelines 2007
- VDA Flatfile
 - VDA 4905...4927
- VDA Recommendations
 - Rechnungsformular
 - VDA 4983 EDIFACT mit Anlagen
 - VDA 4938 Rechnungsformular
 - VDA Abrechnungsverfahren
 - VDA Logistiktachrichten
- JAIF (Joint Automotive Industry Forum) Global Messages
- JAIF (Joint Automotive Industry Forum) BODs
- Automotive Code Lists

- Anfavea RND
- auto-gration Messages
- ECG-Odette-VDA Finished Vehicles
- WCO Data Models
- XRechnung
- ZUGFeRD Electronic Invoice

Our range of Services

We support you in your EDI activities with the following services ...

- Consulting in connection with standards for the development of individual standard-compliant interfaces
- Development, adaptation and maintenance of standards and interfaces for the electronic handling of business processes in all areas of business and administration.
- Recording and documentation of individual flat-file formats and other interfaces
- Design of documents and interfaces as a canonical data model based on UML, UMM, CCTS
- Mapping of the data model into different data formats
- Design and representation of relationships between different interfaces in classical EDI and XML formats (capture of source and target formats and their mappings)
- Implementation guidelines describing the implementation of document data models in both EDI and XML syntax, such as EDIFACT, OAGIS, RosettaNet, X12, VDA etc.
- Development of documentation templates
- Code list management
- Incorporation of checks (business logic) with specific error messages for the validation of messages in GEFEG.FX or in GEFEG.Portal
- Planning and preparation of collaborative development work
- Presentation and publication of your interfaces in HTML format in Internet applications and on browser DVDs
- Support in configuring the infrastructure and organising repositories
- Planning and developing OpenAPI interfaces

Training courses

We offer the following training courses for the changeover to new VDA messages.

- [New VDA Message 4984 T2 Global DELFOR - Implementing Delivery Planning Data](#)

Introduction to VDA 4984 Global Delivery Forecast: The VDA Recommendation for the data transmission of delivery schedules replaces VDA recommendations 4905 and 4915 as well as various variants - in the case of VW even eight "old" VDA messages.

- [Implementing the new VDA message 4987 T2 Global Despatch Advice delivery call-off data](#)

Introduction to VDA 4987 GT2 Global Despatch Advice delivery call-off data: Revision and replacement of the previous VDA recommendation 4913

- [VDA 4933 and 4945](#)

Introduction to the messages for the transport order in the full and empty container process and the status message VDA 4945

- [Workshop: Documentation of your EDI interface\(s\)](#)

- Create documentation based on standards, such as Global Messages, Odette Messages, DA, EDIFACT, etc. or in-house formats.
- Creating a documentation template for your company
- Create profiles for different EDI partners in a guide
- Capture and integrate user-defined codes or code lists, e.g. colour codes, coded part orders, plant identifiers
- Create mapping documentation between in-house and EDI formats
- Prepare the guide to be able to test messages
- Transfer source and target format descriptions to the EDI system

[Further training on the general or specific use of GEFEG.FX](#)

Selected projects

EDICeti

Year: 2015 - today

Locations: Germany

Client: EDIWheel project group

Main features of the project:

- Participation in the EDIWheel committee
- Maintenance and further development of the existing message standards (e.g. delivery note, invoice, ...) in the three syntaxes CSV, XML and EDIFACT
- Development of new message standards, e.g. marketing catalogue and Complaint messages

Development of guidelines incl. test rules for use in a validation solution

Year: 2018 to 2020

Location: Regensburg

Client: Tyre manufacturer

Main features of the project:

- Provision of a validation portal as well as development of the guidelines incl. incorporation of test rules for validation and creation of documentation for the publication of test references.
- Support in the incorporation of test rules in two guidelines (DESADV, INVOIC) in GEFEG.FX for publication and validation in a GEFEG.Portal.

ECG, Odette, VDA - Completion of vehicle logistics

Year: 2019 - 2020

Location: London, Berlin

Organisation: Odette International, London, UK, German Association of the Automotive Industry (VDA), Berlin, ECG - The Association of European Vehicle logistics, Brussels, Belgium.

Main features of the project:

- Development of EDIFACT message guidelines for WP 1 - Transport forecast and order process, for WP 2 - Transport status and vehicle status process.
- Development of sample messages for all EDIFACT specifications.

Implementation of VDA recommendation 4987

Year: 2014 - today

Location: Wolfsburg, Berlin

Client: Automobile manufacturer

Main project features:

- Development of the specific guideline for the implementation of messages.
- Development of migration guidelines: VDA 4913 VDA 4987, EDIFACT DESADV VDA 4987
- Development of plausibility rules for the validation of messages with the web-based GEFEG.Portal

Implementation of recommendations VDA 4984, VDA 4985, VDA 4986, VDA 4987, VDA 4938 and other EDIFACT messages (various projects)

Year: 2010 - 2018

Location: Munich, Berlin

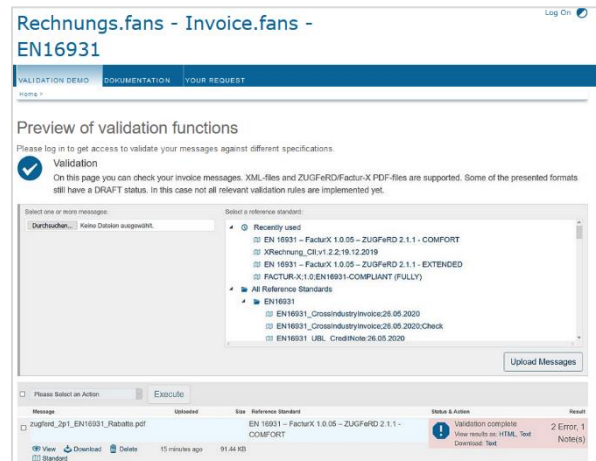
Client: Automobile manufacturer

Main features of the project:

- Development of a guideline for the implementation of messages.
- Consulting on the application of the VDA recommendations
- Development of numerous mappings (formats: VDA FlatFile IDocs, proprietary flat files, XML, Odette, EDIFACT VDA, ...).

References

- [VW Validation Portal](#)
- [VDA Validation Portal](#)
- [Invoice.fans Validation Portal](#)



Rechnungs.fans - Invoice.fans - EN16931

Validation DEMO DOCUMENTATION YOUR REQUEST

Home »

Preview of validation functions

Please log in to get access to validate your messages against different specifications.

Validation

On this page you can check your invoice messages. XML-files and ZUGFeRDFacturX PDF-files are supported. Some of the presented formats still have a DRAFT status, in this case not all relevant validation rules are implemented yet.

Select one or more messages:

Durchsuchen... Keine Daten ausgewählt.

Select a reference standard:

- Recently Used
 - EN 16931 - FacturX 1.0.05 - ZUGFeRD 2.1.1 - COMFORT
 - XRechnung_CII.v1.2.2.19.12.2019
 - EN 16931 - FacturX 1.0.05 - ZUGFeRD 2.1.1 - EXTENDED
 - FACTUR-X 1.0: EN16931-COMPLIANT (FULLY)
- All Reference Standards
 - EN 16931
 - EN 16931_CrossIndustryInvoice:20.05.2020
 - EN16931_CrossIndustryInvoice:20.05.2020:Check
 - EN16931_LBL_CreditNote:20.05.2020

Upload Messages

Message	Uploaded	Size	Reference Standard	Status & Action	Result
Zugferd_291_EN16931_Rabatte.pdf	15 minutes ago	91.44 KB	EN 16931 - FacturX 1.0.05 - ZUGFeRD 2.1.1 - COMFORT	Validation complete	2 Error, 1 Note(s)

View Download Delete 15 minutes ago 91.44 KB

Validation complete
View results as HTML, Text
Download: Text