GEFEG
Passion for Standards

eBusiness Standards
Automotive Industry

CONTENT
eBusiness Standards & Content

GEFEG
Passion for Standards

GEFEG mbH
Storkower Straße 207
10369 Berlin
Germany

+49 - 30 - 979914-0
info@gefeg.com
www.gefeg.com
GEFEG at LinkedIn

Status: July 2023

Contents

eBusiness Standards for the Automotive Industry

By providing the eBusiness standards used worldwide in the automotive industry, GEFEG offers an important basis for electronic data interchange in this sector. As a member of various international standardisation organisations, GEFEG is also actively involved in the standardisation of electronic business messages.

In addition, GEFEG collaborates in international projects or holds special training courses for the introduction of current VDA recommendations, e.g. VDA message 4984 T2 Global DELFOR - delivery planning data.

Overview of the existing standards of the automotive industry

- Anfavea-RND Standards
- auto-gration Messages
- Automotive Code Lists
- JAIF (Joint Automotive Industry Forum) BODs
- JAIF (Joint Automotive Industry Forum) Global Messages
- Odette Pre-EDIFACT Messages
- Odette Messages
- Odette XML
- Odette XML Guidelines
- VDA 4905...4927
- VDA 4933 Standardisierte Transportavisierung
- VDA 4938 EDIFACT INVOIC
- VDA Aftermarket
- VDA Container Management
- VDA Fertige Fahrzeuge
- VDA Neue Logistiknachrichten

Overview of the modules available for GEFEG.FX

- [Anfavea-RND Standards Module](#)
- [Automotive Standards Module](#)
- [VDA Standards Module](#)

Anfavea-RND Standards Module

Anfavea RND (REDE NACIONAL DE DADOS), commonly used in Brazil, is available as Anfavea RND Module for GEFEG.FX.

Delivery scope in the GEFEG Distribution

The module contains the following messages:

- RND 001 V10; Programacao de Entregas
- RND 002 V04; Necessidade Diaria de Producao
- RND 004 V15, V17, V18, V19, V20, V21, V22, V23; Aviso de Embarque versão
- RND 006 V00; Resposta da Programcao de Entregas
- RND 007 V04; Pedido de Mercadoria
- RND 008 V02; Alteracao de Pedido
- RND 010 V02; Solicitacao de Cotacao
- RND 011 V02; Resposta de Cotacao
- RND 012 V07; Programacao Diaria de Peca/Material
- RND 013 V00; Protocolo de Recebimento de Arquivo
- RND 014 V01; Fatura/Duplicata de Transporte
- RND 015 V02, V03; Conhecimento de Transporte
- RND 016 V01; Cancelamento de Aviso de Embarques
- RND 018 V02; Pré - Sequenciação da Linha de Produção
- RND 019 V01; Confirmação de Recebimento de Material
- RND 022 V01; Autorização de Faturamento
- RND 023 V00; Layout de Veículos Produzidos (Vins's)
- RND 025 V00; Posição do Estoque
- RND 026 V00; Confirmação/Aceite da Chamada Kanban
- RND 027 V00; Status do Materiais Programados - Direct Shipping
- RND 028 V00; Drawback
- RND 100 V01; Extrato de Conta Corrente Fornecedor

Automotive Standards Module

At the initiative of the European automotive association Odette, the Global Invoice message has been developed some 20 years ago, the first EDI message coordinated for worldwide use in the automotive industry. Participants from the associations AIAG for America, JAMA/JAPIA for Japan and Odette for Europe formed the project group responsible for developing the "Global Invoice". After the adoption of the Global Invoice by the automotive associations worldwide in summer 2002, the goal of a worldwide standardisation of this message became reality. Ford and BMW introduced the Global Invoice in their companies, other messages followed. In the following years, the range of Global Messages was extended to six and updated several times: Currently, the following Global Messages have been developed and are in use: Global DELFOR, Global DELJIT, Global DESADV, Global INVOIC, Global RECADV, and Global REMADV.

GEFEG has been actively involved in the Joint Automotive Industry Project since its launch in spring 2000. The development of the Global Invoice has been supported by the then new methodological approach of UML modelling, made possible by the use of the GEFEG.FX software in this project. In addition to our know-how in process and data modelling, GEFEG contributed expertise in the standardisation of data exchange structures and the resulting implementation regulations for the automotive industry.

The good cooperation between the automotive associations AIAG, JAMA / JAPIA and Odette, now called Joint Automotive Industry Forum (JAIF), continued and led to the development of the global Joint Automotive Data Model (JADM). The data model contains consistent business vocabularies specialised in the global automotive supply chain and business standards for the automotive industry. The JADM is available in the Automotive Module for GEFEG.FX.

Odette's members are the national automotive associations of Europe, whose interests the association represents. Odette had already started developing messages for the European automotive industry before standards for data exchange had been agreed at international level. These Odette pre-EDIFACT messages based on ISO syntax 9735 have been in use since 1986. They are supplemented or replaced in new implementations by the Odette recommendations or Odette messages, which are based on UN/EDIFACT and are geared to the processes of the European automotive industry.

The American Industry Action Group (AIAG) initiated the development of XML messages based on OAGIS 8.0, the "Automotive BODs", which are specially tailored to the needs of the automotive industry. These messages are available in the data package as well.

Automotive Standards are available as a module for GEFEG.FX.

Delivery scope in the GEFEG Distribution

The Automotive module in GEFEG.FX contains the following data packages.

- auto-gration Messages
- Automotive Code Lists
- ECG-Odette-VDA Finished Vehicles
- JAIF (Joint Automotive Industry Forum) Global Messages
- JAIF (Joint Automotive Industry Forum) BODs
- Odette Pre-EDIFACT Messages
- Odette Messages
- Odette XML 2007
- Odette XML Guidelines 2007

VDA Standards Module

In the past, the German Automotive Industry Association (Verband der Automobilindustrie) has issued a number of recommendations for the electronic interchange of industry-specific business data. These recommendations are widely used by manufacturers and suppliers in the German automotive industry.

These message types are fixed-format data structures with records identified by numeric tags. The specification is mostly in German.

The recommendations are available as a data module for GEFEG.FX. They can be used both in documenting existing implementations and in developing guidelines for mapping and migration to other EDI-standards.

In order to meet the growing demand for international electronic commerce standards in this industry, VDA today is lending its support to the development of EDIFACT-compliant message types by the ODETTE organization.

The VDA recommendation 4938 was published in version 1.0 in April 2010 by the VDA. The new recommendation deals with the paperless, standardized exchange of billing data based on EDIFACT D.07A and Global INVOIC. The new VDA recommendation replaces the recommendations VDA 4932 - Odette INVOICE and VDA 4906 - Datenfernübertragung von Rechnungen.

VDA Standards are available as a module for GEFEG.FX.

Delivery scope in the GEFEG Distribution

The module contains the following recommendations:
- VDA Neue Logistiknachrichten
- VDA 4905...4927
- VDA 4933 Standardisierte Transportavisierung
- VDA 4938 EDIFACT INVOIC
- VDA 4938 Rechnungsformular
- VDA Aftermarket
- VDA Container Management
- VDA Fertige Fahrzeuge

Powerful support for EDI tasks with GEFEG.FX Software

EDI Teams will profit from GEFEG.FX

- as an information source for all directories and message types of Automotive Standards
- in developing subsets, specifications, or guidelines based on any of the Automotive Standards
- in developing EDI interfaces and describing them in guides
- in testing EDI messages
- in developing and documenting mapping from Automotive Standards to other formats and vice versa
- by visualizing Automotive Standards or application guidelines in HTML projects
- in exporting EDI guides to XML for conversion to XML structures such as DTDs and XSDs
- by providing data for translators

Interested in using Automotive Standards?

- Are you interested in using Automotive Standards in your company?
- Would you like to learn how you can use Automotive Standards with GEFEG.FX?

Contact us by e-mail or via LinkedIn - we will be pleased to get back and promptly assist you.