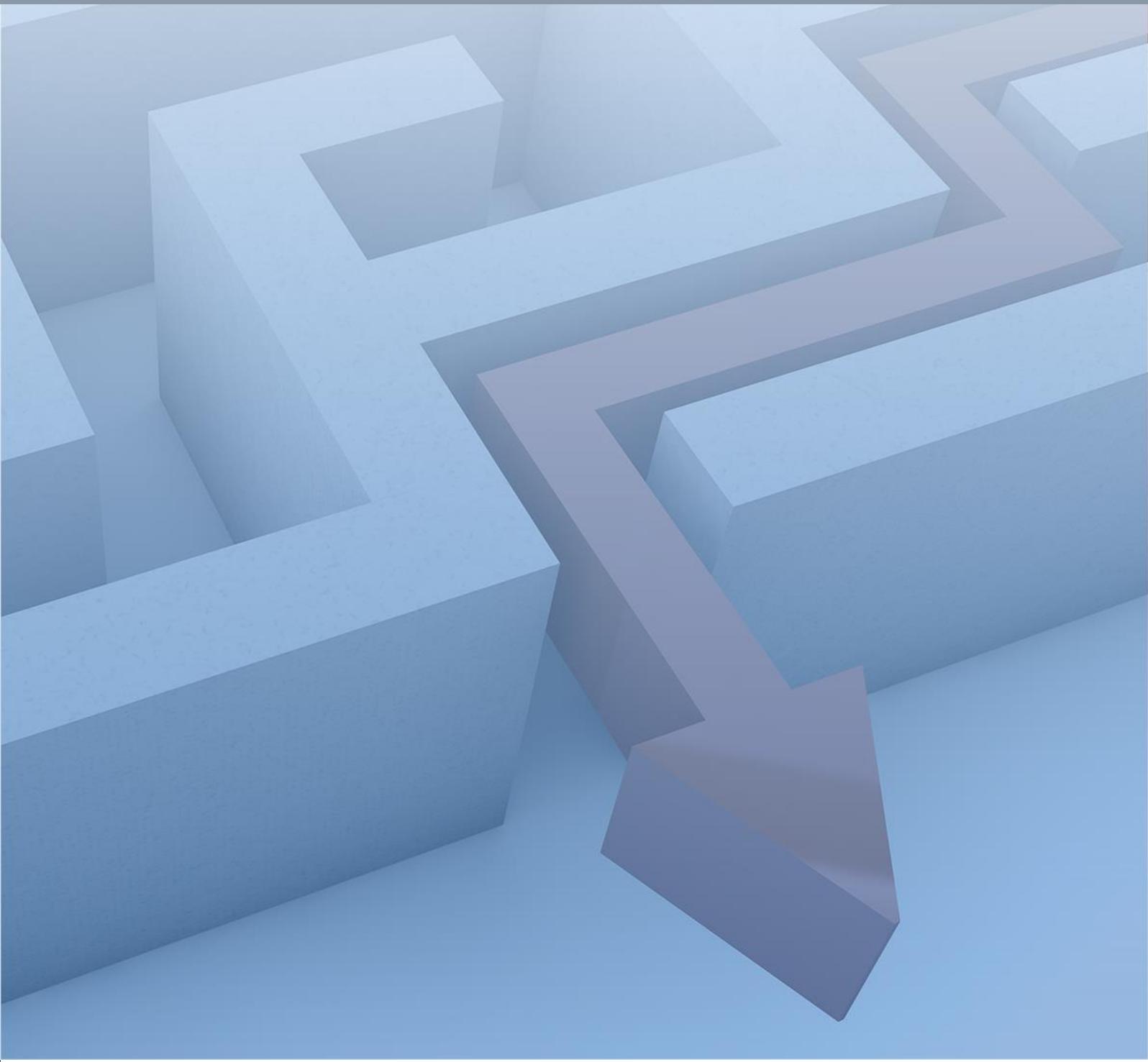


Use Cases

Message Validation





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Contents

Message Validation.....	4
Standards as a basis for message exchange	4
Not all messages are error-free	4
All formats are affected	4
All industries are affected	4
GEFEG Solutions.....	5
Validation in GEFEG.FX	5
Validation on the GEFEG.Portal	5
Advantages of GEFEG solutions.....	6
Quality assurance	6
Higher user satisfaction	6
Syntax and semantics validation	6
Formats	6
GEFEG.Portal as a validation platform	7

Message Validation

Standards as a basis for message exchange

Companies and organizations generally use standards for the exchange of electronic business messages. They use existing B2B standards or create their own specifications. Usually, these specifications are made available to the business partner so that requirements for electronic documents can be implemented by all parties involved.

Not all messages are error-free

In an ideal world, messages are transmitted without human intervention by the sender and automatically processed by the recipient. In practice, however, the intervention of experts is unavoidable. Many EDI teams complain that incoming messages do not meet the specifications and are simply wrong. Far too often, a clarifying telephone call or e-mail exchange is necessary. Process chains are interrupted and valuable working time for correcting messages is lost.

All formats are affected

Errors in messages occur regardless of the syntax. For example, an XML instance does not comply with the restrictions of an XML schema or an EDIFACT message deviates from the EDIFACT specification. As a result, the files cannot be processed. The data flow comes to a standstill.

All industries are affected

Faulty messages are a daily topic for all EDI participants in all industries. This affects global players as well as SMEs. It does not matter whether it is "Old Economy" or "New Economy". In message exchange, faulty messages must be expected.

GEFEG Solutions

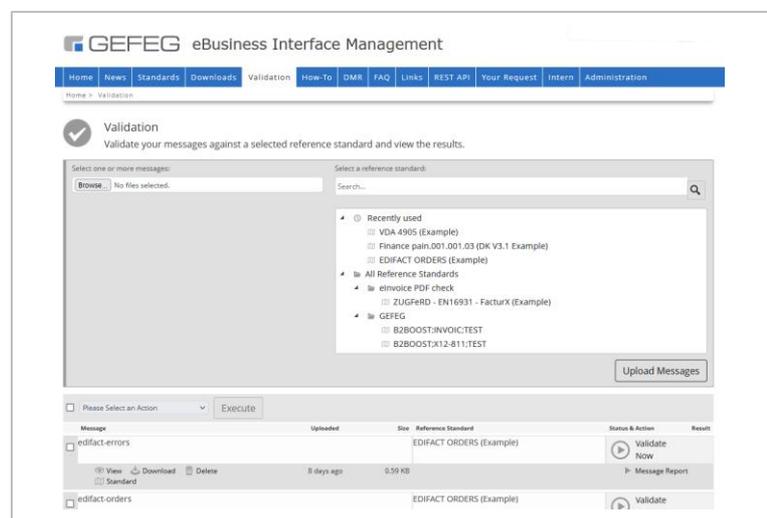
With our desktop solution GEFEG.FX and with the GEFEG.Portal, two products are available for message verification. GEFEG.FX allows you to test messages against a selected specification. In our collaboration environment GEFEG.Portal this specification can be made available to a user group.

Validation in GEFEG.FX

GEFEG.FX uses a proprietary standard or a standard issued by a standardization organization as reference and checks messages for compliance with the specifications of this standard. Often a syntax check is not sufficient. In everyday EDI life, business rules must be considered in addition to the structure of a message. With plausibility rules for record type-based specifications and with schematron rules for XML schemas, functions for semantic checks are available.

Validation on the GEFEG.Portal

An important feature of the GEFEG.portal is the validation of messages. In a few steps you can create both an error report and an error list in an HTML documentation. Of course you can also check against syntax and semantics.



Advantages of GEFEG solutions

Quality assurance

Independent validation on the GEFEG.Portal possible for business partners, suppliers or eCommunity members

Higher user satisfaction

The platform solution offers a time and location-independent 24/7 validation service on the Internet. Only an Internet browser is required and the service is easy to use, eliminating the need for training, software and hardware.

Syntax and semantics validation

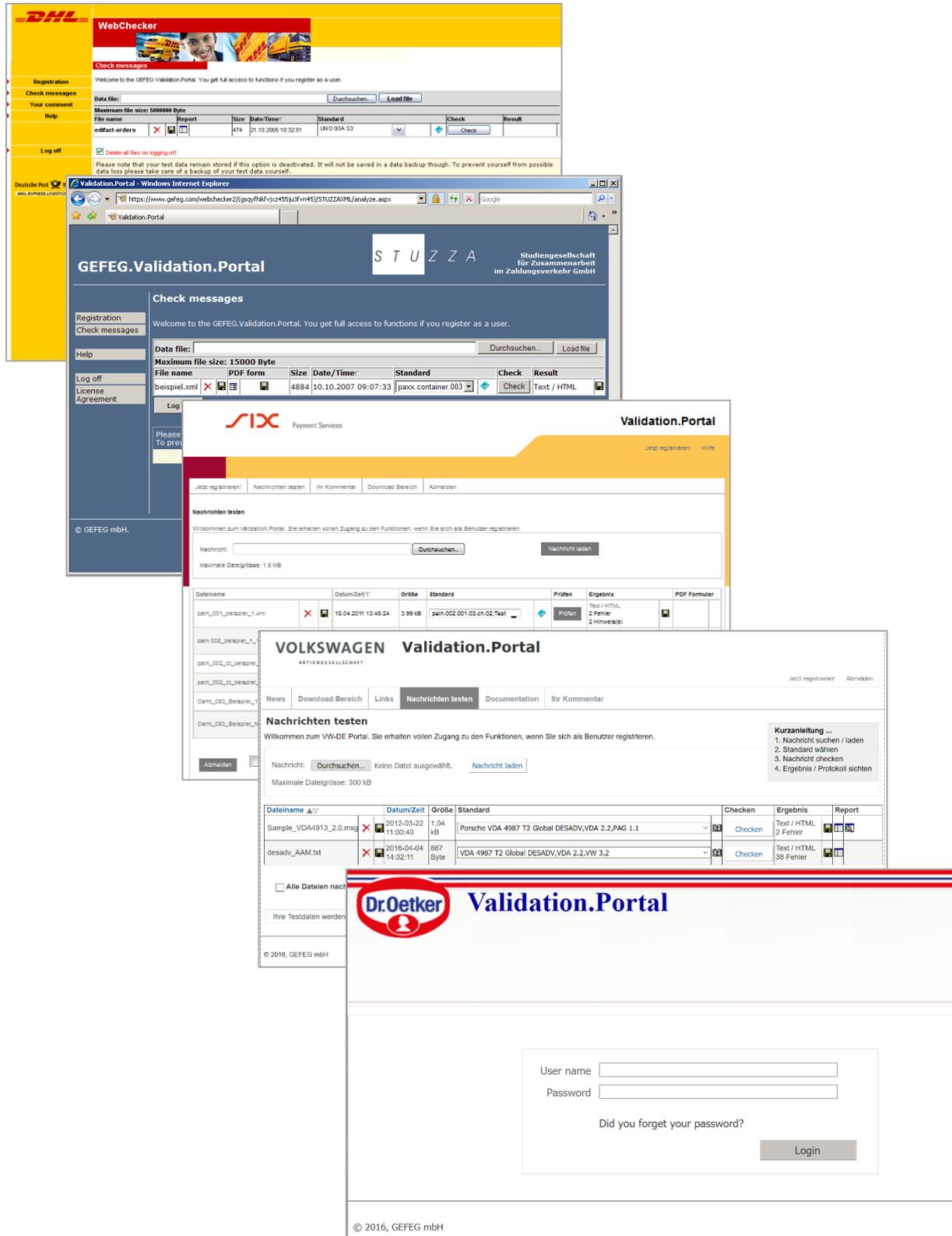
Besides the structure of a message, the semantics are also checked. Business rules can be validated flexibly.

Formats

Both XML schemas and traditional record type-based syntaxes such as EDIFACT, IDoc or X12 can be used as check references.

GEFEG.Portal as a validation platform

Across all industries, our customers offer their business partners the GEFEG.Portal for validating their messages via an easily accessible online platform.



The image displays four overlapping screenshots of the GEFEG.Portal validation interface for different companies:

- DHL WebChecker:** Shows a registration page with a sidebar menu (Registration, Check messages, Your comment, Help, Log off) and a main area for uploading and checking files. A table shows a file named 'edfact-orders' with a size of 474 bytes, dated 21.10.2005 10:32:51, and standard UN D.93A.53.
- STUZZA Validation.Portal:** Features a sidebar menu (Registration, Check messages, Help, Log off, License Agreement) and a main area for file upload and validation. A table shows a file named 'beispiel.xml' with a size of 4884 bytes, dated 10.10.2007 09:07:33, and standard 'paxx.container.003'.
- SIDX Payment Services Validation.Portal:** Includes a sidebar menu (Jetzt registrieren!, Ihre Kommentare, Download Bereich, Abmelden) and a main area for message testing. A table shows a file named 'pain_001_bespiel_1.xml' with a size of 3.99 kB, dated 18.04.2011 13:48:24, and standard 'pain.002.001.03.ch.02.Test'.
- VOLKSWAGEN Validation.Portal:** Features a sidebar menu (News, Download Bereich, Links, Nachrichten testen, Documentation, Ihr Kommentar) and a main area for message testing. A table shows two files: 'Sample_VDA1913_2.0.msg' (1.04 kB, 2012-03-22 11:30:40, Porsche VDA 4987 T2 Global DESADV,VDA 2.2,PAG 1.1) and 'desady_AAM.txt' (967 Byte, 2016-04-04 14:32:11, VDA 4987 T2 Global DESADV,VDA 2.2,VW 3.2).
- Dr. Oetker Validation.Portal:** Shows a login page with a sidebar menu (Alle Dateien nach Ihre Testdaten werden) and a main area with a login form containing fields for 'User name' and 'Password', a 'Login' button, and a link for 'Did you forget your password?'.