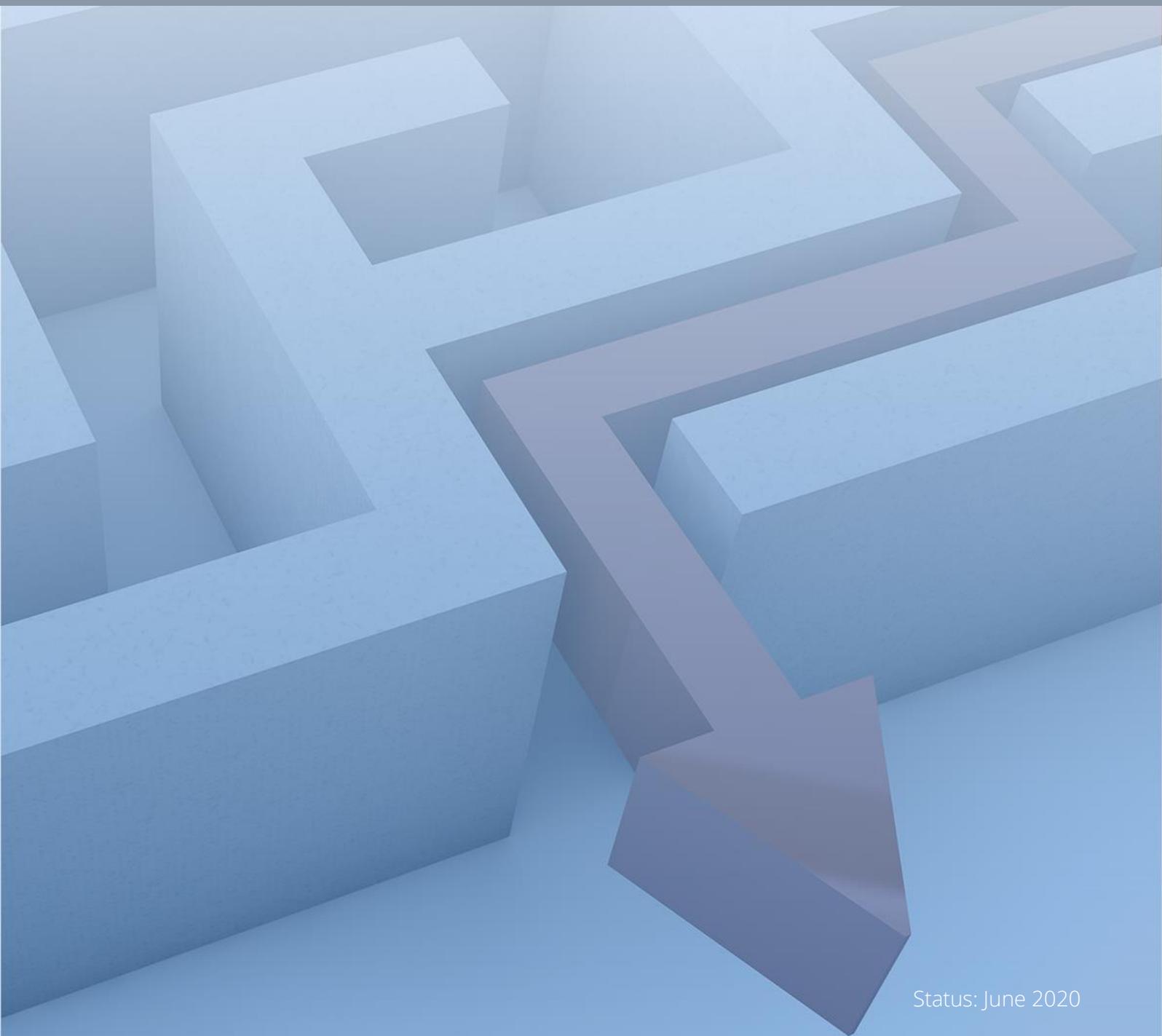


Application Scenarios

Message Validation



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 sent by the sender without human intervention 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 fulfill the restrictions of an XML schema or an EDIFACT message deviates from the EDIFACT specification. The result is files that 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

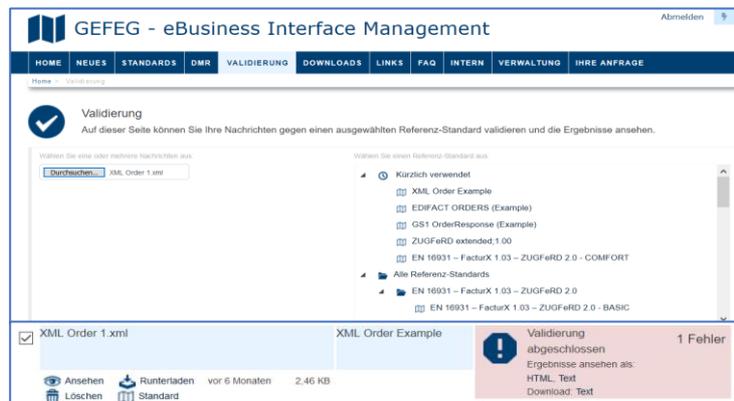
With our desktop solution GEFEG.FX and with the GEFEG.Portal, two products are available for message verification. GEFEG.FX allows you to test messages against a selected specification. In our collaboration environment GEFEG.Portal this specification can be made available to a user group.

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.

Across all industries, our customers offer their business partners the GEFEG.Portal as a validation platform

The image shows three overlapping screenshots of the GEFEG.Portal interface, demonstrating its use across different industries.

Top Screenshot: DHL WebChecker

Maximum file size: 500000 Byte

File name	Report	Size	Date/Time	Standard	Check	Result
edfact-orders	X	474	21.10.2005 10:32:51	UNI 0.93A S3	Check	

Middle Screenshot: SIDX Payment Services

Maximum file size: 15000 Byte

File name	PDF form	Size	Date/Time	Standard	Check	Result
beispiel.xml	X	4884	10.10.2007 09:07:33	paxx.container.003	Check	Text / HTML

Bottom Screenshot: Dr. Oetker Validation.Portal

Maximum file size: 300 kB

Dateiname	Datum/Zeit	Größe	Standard	Checken	Ergebnis	Report
Sample_VDA4913_2.0.mrsq	2012-03-22 11:00:40	1,04 kB	Porsche VDA 4987 T2 Global DESADV,VDA 2.2,PAG 1.1	Checken	Text / HTML 2 Fehler	
desadv_AAM.txt	2016-04-04 14:32:11	867 Byte	VDA 4987 T2 Global DESADV,VDA 2.2,VW 3.2	Checken	Text / HTML 38 Fehler	

The bottom screenshot also shows a login form with fields for 'User name' and 'Password', a 'Did you forget your password?' link, and a 'Login' button.

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