

eBusiness Standard of the financial industry

ISO 20022

CONTENT
eBusiness Standards & Content





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ISO 2022 – The financial standard of global banking

GEFEG ISO 2022 Standard Distribution forms the base for message implementation guidelines and message validation. It includes ISO 2022 UML models, enriched XML schemas, implementation guidelines and external codes. The ISO 2022 Standard Distribution is used with the message design editor GEFEG.FX and the GEFEG.Portal.

ISO 2022 is available as a module for GEFEG.FX.

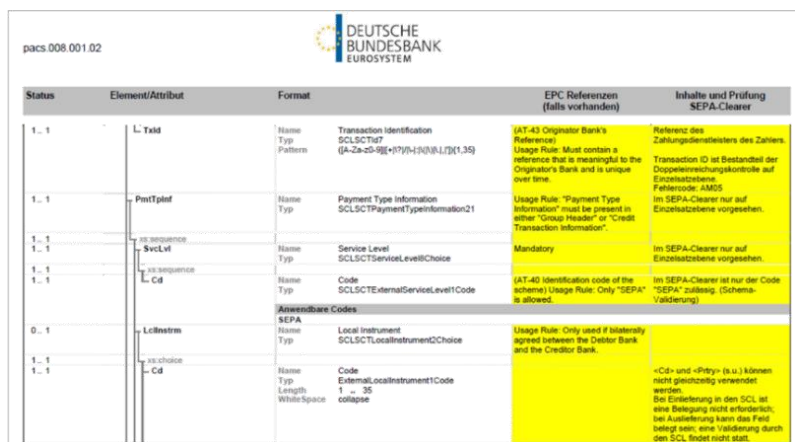
GEFEG message design solutions

GEFEG's design-time solutions span the whole range of a message design process. Typically, the message design lifecycle demands requirements and change management, the development of message standards, message implementation guidelines, and mapping specification, publication, validation, test automation and roll-out support.

ISO 2022 has almost become the lingua franca in the finance industry, but other formats continue to exist within financial institutions and on their customers' side. GEFEG supports all formats incl. legacy formats, with focus on ISO 2022. The specification of OpenAPI's based on ISO 2022 and other message standards is also supported.

ISO 2022 Implementation Guidelines

Message Implementation Guidelines specify the usage of message standards (eBusiness Standards) in detail, which is on field level. Using the desktop editor GEFEG.FX you have the advantages of a professional software which manages message standards, specifications, their mappings and test data.



Status	Element/Attribut	Format	EPC Referenzen (falls vorhanden)	Inhalte und Prüfung SEPA-Clearer
1..1	L: Trid	Name: Transaction Identification Typ: SCLSCTid Pattern: (A-Za-z0-9[+!*?/~-@/./])*(1..35)	(AT-43 Originator Bank's Reference) Usage Rule: Must contain a reference that is meaningful to the Originator's Bank and is unique over time.	Referenz des Zahlungsdienstleisters des Zahlens. Transaction ID ist Bestandteil der Doppelreueichungskontrolle auf Einzelzellebene. Im SEPA-Clearer nur auf Einzelzellebene vorgeben.
1..1	PmtPmtInf	Name: Payment Type Information Typ: SCLSCTPaymentTypeInformation21	Usage Rule: "Payment Type Information" must be present in either "Group Header" or "Credit Transaction Information".	Im SEPA-Clearer nur auf Einzelzellebene vorgeben.
1..1	xx:sequence	Name: Service Level Typ: SCLSCTServiceLevelChoice	Mandatory	Im SEPA-Clearer nur auf Einzelzellebene vorgeben.
1..1	xx:sequence	Name: Code Typ: SCLSCTExternalServiceLevelCode	(AT-40 Identification code of the scheme) Usage Rule: Only "SEPA" is allowed.	Im SEPA-Clearer ist nur der Code "SEPA" zulässig. (Schemavalidierung)
Abwechslbare Codes				
0..1	L: Instrm	Name: Local Instrument Typ: SCLSCTLocalInstrumentCodeChoice	Usage Rule: Only used if bilaterally agreed between the Debtor Bank and the Creditor Bank.	
1..1	xx:choice	Name: Code Typ: ExternalLocalInstrumentCode		
1..1	L: Cd	Name: Code Typ: ExternalLocalInstrumentCode Length: 1 .. 35 WhiteSpace: collapse		<Cd> und <trdy> (s.u.) können nicht gleichzeitig verwendet werden. Bei Entwertung in den SCL ist eine Belegung nicht erforderlich, bei Auslieferung kann das Feld belegt sein; eine Validierung durch den SCL findet nicht statt.

ISO 2022 guide documentation of the SEPA Clearer of Deutsche Bundesbank

Best practice

- Establishes unambiguous implementation guides and provide tools for validating messages and files for compliance to ensure a uniform implementation of the new standard.
- Minimizes the duration of the migration period.

ISO 20022 Roll-out

The roll-out of message implementation guidelines to a finance community is a major effort. The GEFEG.Portal provides collaboration, publication and validation features to support this task. The self-service validation facility contributes considerably to data quality and message interoperability - and decreases on-boarding efforts.

Best practice

- Enforce uniform implementations of ISO 20022 through rigorous validation and testing.
- Centralize migration management efforts and the community management
- Use ISO 20022 as a means to achieve further goals, such as multiple daily clearings, real-time clearing, etc, rather than as an end in itself.

Money makes the world go round and ISO 20022 makes the money go round.

ISO 20022 as a modeling method and ISO 20022 XML messages as a transportation method become more and more important. Projects like SEPA, Target2-Securities, DTCC corporate actions show that new initiatives in the global finance industry choose the ISO 20022 standard deliberately. ISO 20022 also moves forward to support trade activities.

Training - Document, test, publish and update easily maintainable ISO 2022 specifications



ISO 2022 schemas for your financial messages with GEFEG.FX

How can you adopt, implement and validate the ISO 2022 message standard in a time-saving manner? Which software functions support you in developing financial messages easily maintainable? In our training, you will learn how to create ISO 2022 specifications with the GEFEG.FX software – allowing you to focus more on content than on technical implementation.

ISO 2022 in the GEFEG.FX software

In the GEFEG.FX software, all ISO 2022 messages are available to you – and updates will be delivered regularly and promptly when new versions are available. To create company-specific messages, many users choose to use the ready-made XML Schema collection instead of the ISO 2022 data model. In this training, we will show you how to adapt ISO 2022 XML schemas to your requirements, for example by extending the schemas and including your own codes or code lists. You will also learn how to create variants for your financial messages without much effort.

You will learn how to use schema guides so that you can maintain your specification in a time-saving way throughout its entire lifespan, in case of necessary adaptations after official updates or in case of changes to your business processes. As soon as you have completely created your ISO 2022 specification, you can generate output in HTML or PDF format at the touch of a button – ready and waiting for the publication of your ISO 2022 messages.

Training topics of “Document, test, publish and update easily maintainable ISO 20022 specifications”

- The ISO 20022 message standard in GEFEG Distribution – features and overview
- Adapt ISO 20022 XML Schemas to your own requirements
- Using XML schema extensions
- Document and publish work status and finished specifications
- ISO 20022 Modelling

What will you know afterwards?

After the training course, participants will know how to use ISO 20022 schemas in GEFEG.FX to document financial messages. In addition, participants will be able to use XML schema guides and extend ISO 20022 XML schemas.

Who should attend?

This course is intended for all interested users of financial messages who want to specify, document and publish professionally using the ISO 20022 message standard.

What you should already know?

Participants should already have knowledge of XML Schemas or have attended the XML Schema Basics course.

How much time will the training take?

It is best to plan two full days for the training.

When will the next training take place?

Find our current training programme [here](#).

ISO 2022 implementations in use, developed and supported by GEFEG solutions

- Bank of England
- BITS
- Bundesbank
- The Clearing House
- DATEV
- European Payments Council
- MASAV
- Mastercard
- Nordic Payments Council
- PAY.UK
- SIX Payment

and many more ...

Powerful support for EDI tasks with GEFEG.FX Software

EDI managers and teams will profit from GEFEG.FX

- as an information source for ISO 20022
- in developing guidelines based on ISO 20022
- in developing EDI interfaces and describing them in guides
- in testing messages
- in developing and documenting mapping from ISO 20022 to other formats and vice versa
- by visualizing ISO 20022 or application guidelines in HTML projects

Interested in using ISO 20022?

- Are you interested in using ISO 20022 in your company?
- Would you like to learn how you can use ISO 20022 with GEFEG.FX?

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