

Quick reference guide: ISO 20022 XML

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Glossary: General terms

Term	Definition
Cross Border Payments and Reporting (CBPR+)	Working group focused on formulating global market practice, using guidelines and translation rules for the adoption of ISO 20022
Data type	Allowed structure of an element; what type of data is allowed in the element
Element	Individual piece of information; field in an MX message
Element type	Type of information in an MX message, such as Name, Intermediary Agent, or Instructing Agent
FIN	SWIFT network; SWIFT message format
High Value Payment System (HVPS+)	Task force created by SWIFT and others to define and publish best practices for high-value payments
Instance	A set of elements forming a message sent over the SWIFT network; inbound or outbound MX message
ISO 20022	Single standardization approach for exchanging electronic messages globally
Market infrastructures	FED, CHIPS, SEPA, TARGET 2
MT field tags	Numbered fields within a SWIFT MT message populated with the data defined by SWIFT for that field
Payment party	Identifier for a party within a payment
Society for Worldwide Interbank Financial Telecommunication (SWIFT)	Messaging network used by corporations and financial institutions to safely and securely send and receive money transfer instructions

MX data types

Term	Definition
Amount	Data type expressing the payment amount. Any element that includes an Amount data type will include numbers and could include a decimal point. Most amount fields also include a currency.
Code	Data type consisting of four characters that represent information about the payment. Examples: <ul style="list-style-type: none">• Return reason: BE07 (MissingDebtorAddress)• Charge bearer: SHAR (previously SHA Charge Party)• Type of statement: EODY (End of Day Statement)
Date/Time	Date (yyyy-mm-dd) followed by “T” (time parameter start), followed by the UTC time (hh:mm:ss) minus 5 hours (hh:mm) to indicate Eastern Time. Example: 2020-10-13T10:18:31-05:00
Identifier	Unique data string to help the customer and processing bank identify messages. Example: The current Senders Reference field (:20:) will be included in the ISO Transaction ID (TXID) element as the identifier.
Indicator	Options on how the information in the element/field can be used. Example: When we send an MT940/MT950 (CAMT.053) statement to the customer, there is an element called the Copy Duplicate Indicator. There are three options for this element, signifying what is happening with the statement: <ul style="list-style-type: none">• COPY: Statement copy is being sent to an authorized third party.• DUPL: Duplicate statement is being sent to the account owner.• CODU: Duplicate statement is being sent to an authorized third party.
Quantity	A number indicating volume. Example: NbOfTx 4: Number of Transactions element/field indicates there are four transactions embedded in this instance (message).
Rate	Amount multiplied or divided by the USD rate of 1.0 to get the amount to be debited or credited in a foreign currency. This element/field will include numbers and could include a decimal point. Example: <XchgRate>0.9207</XchgRate>: Exchange Rate element/field indicates an exchange rate of 0.9207 is to be used to calculate the amount debited from the account in EUR currency.
Text	Character string of describing information. It can consist of letters, numbers, and symbols. Examples: CITIUS33 (BIC), Invoice #123456 (description of what’s being paid), 215-447-8554 (phone number of payee)

MX elements

Element types

Element	Definition
<FIToFICstmrCdtTrf>	FI to FI Customer Credit Transfer
<GrpHdr>	Group Header
<MsgId>	Message ID
<CreDtTm>	Credit Date Time
<NbOfTxs>	Number of Transactions
<SttlmInf>	Settlement Information
<SttlmMtd>	Settlement Method
<CdtTrfTxInf>	Credit Transfer Transaction Information
<PmtId>	Payment ID
<InstrID>	Instructor ID
<EndToEndId>	End to End ID
<TxId>	Transaction ID

Payment party elements

Element	Definition
<PmtID>	Payment ID
<IntrBkSttlmAmt Ccy="XXX">	Intermediary Bank Settlement Amount and Currency, where XXX is the currency code
<IntrBkSttlmDt>	Intermediary Bank Settlement Date
<InstdAmt Ccy="XXX">	Instructed Amount Currency, where XXX is the currency code
<ChrgVr>	Charge Bearer
<InstgAgt>	Instructing Agent
<FinInstnId>	Financial Instructing ID
<BIC>	Business Identifier Code
<Dbtr>	Debtor
<PstlAdr>	Postal Address
<AdrLine>	Address Line

SWIFT MT to ISO 20022 MX transition

Terminology changes

SWIFT MT	ISO 20022 MX
Originator	Debtor
Beneficiary	Creditor
Originator Financial Institution (FI)	Debtor's Agent
Beneficiary FI	Creditor's Agent
Intermediary FI	Intermediary Agent 1
Instructing FI	Previous Instructing Agent 1
Fedwire Sender	Instructing Agent
Fedwire Receiver	Instructed Agent
None	Ultimate Debtor (new)
None	Ultimate Creditor (new)
None	Initiating Party (new)

2022 message changes

Payment initiation

SWIFT MT	ISO 20022 MX
101	PAIN.001

Payment clearing and settlement

SWIFT MT	ISO 20022 MX
103 / Remit / 103+ / 102	PACS.008
104	PACS.003
200 / 201 / 203 / 202 / 205	PACS.009
202COV	PACS.009COV
204	PACS.010
103 Return / 202 Return	PACS.004
Status Response (new)	PACS.002

Cash management

SWIFT MT	ISO 20022 MX
941 / 942	CAMT.052 / CAMT.053
900 / 910	CAMT.054
940 / 950	CAMT.053
210 (Notice to Receive)	CAMT057
192 / 292 (Cancellation Request)	CAMT.056
920 (Request Message)	CAMT.060
196 / 296 / 199 / 299 / 112 (Query/Answer)	CAMT.029