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Introduction

This document summarizes CME’s FIXML message-based API for clearing firm collateral transactions. This API is available both for CME Clearing in the US, and for CME Clearing Europe.

The FIXML message type for a collateral transaction submitted by a clearing member firm is Collateral Assignment. The element abbreviation is CollAsgn.

The BizDt attribute specifies the clearing business date of the request.

The ID attribute should be provided with a value identifying this collateral transaction request.

The TxnTm attribute should be provided with the UTC-format timestamp of the request.

The TransTyp attribute should be provided with a value of 0, meaning this is a new request. (To cancel a previously submitted request, provide a value of 2.)

The AsgnRsn attribute indicates whether the request is for a deposit or a withdrawal.
  A value of 3 specifies a deposit of collateral used to meet margin requirements.
  A value of 4 specifies a withdrawal of collateral.

The par amount of the transaction is specified using the Qty attribute, and the currency of denomination via the PxQteCcy attribute.

The value date of the transaction may be provided using the SettlDt attribute. This attribute is optional, and normally the value date is assumed to be the earliest possible date given the time that the request is submitted. However, where a deposit or withdrawal request is being submitted for a specific future value date, this attribute may be used to provide that date. (or SettlInstructions Data)
The specific asset being deposited is specified using the **Instrmt** element. Within this element:

- For cash, specify the **SecTyp** attribute as **CASH**, and the **PxQteCcy** as the currency of denomination.

- For an equity or debt security:
  - Specify the **SecTyp** attribute as **SEC**.
  - Specify the **PxQtE** attribute as the currency of denomination.
  - Specify the **ID** attribute as the security ID.
  - Specify the **Src** attribute as the type of security ID:
    - 1 for a CUSIP,
    - 4 for an ISIN

The party information is specified using standard **Pty** elements:

- A party role of **21** is used to specify the clearing organization ID – for example, **CME** or **CCE**.

- A party role of **4** is used to specify the clearing firm ID – for example, **999**.

- A party role of **28** specifies the BIC code of the custodian to which the asset is being delivered, for a deposit, or from which the withdrawal is requested.

- A party role of **101** is used to specify the asset account ID in the clearing system, together with:
  - A subrole type of **43** for the funds segregation type, with values of **CSEG** (customer segregated), **CNSEG** (customer non-segregated), **COTC** (customer cleared swaps, formerly called “sequestered”), or **NSEG** (non-segregated, house, proprietary.)
  - A subrole type of **44** for the guarantee fund (product group). The value is optional but should be provided if needed to distinguish two asset accounts which have the same account ID and funds segtype but are for different guarantee funds. Allowable values are **CDS** (for credit default swaps), **IRS** (for interest-rate swaps), or **DFLT** (for the base guarantee fund.)
  - A subrole type of **4** is used for the business function (application). This role is optional but should be provided where needed to distinguish between two asset accounts that are otherwise identical but have different processing purposes. The two allowable values are **CLR** (normal clearing, for collateral posted to meet normal initial margin requirements), or **SECR** (for collateral posted to meet guarantee fund requirements.)
  - A subrole type of **26** is used to distinguish the account type. This role is optional but should be provided where needed to distinguish between asset accounts of different types. Allowable values are **PB** (collateral posted to meet initial margin requirements), **SECR** (collateral posted to meet guarantee fund requirements), or **DELIV** (collateral posted to meet a delivery margin requirement.)
  - A subrole of **11** is used for the transaction profile (the “registration ID” of the standing settlement instructions.)
The firm receives back a **Collateral Response** message. The FIXML element name is **CollRsp**.

Each response message references the **ID** of the original Collateral Assignment message, and is assigned its own unique **RespID**.

If the request is in good order and the transaction subsequently completes, typically the firm would receive back two responses: the first when the request is accepted and pending, and the second when it is confirmed.

If the request is not accepted, the firm would receive back a single message advising that the transaction is rejected if that rejection is known immediately.

If the request is accepted but the transaction is subsequently rejected or never completes, then the firm would receive an initial message indicating that the request is accepted and pending, and a second when it is rejected.

The **RespTyp** attribute provides the status of the request:

- 4 Transaction received, passed validations, is pending
- 1 Transaction completed (accepted)
- 3 Transaction rejected

**RejRsn** is a numeric value that provides the status reason for a rejection, and is one of:

- 1 Unknown or invalid instrument
- 2 Unauthorized transaction
- 3 Insufficient collateral on deposit to support a withdrawal
- 4 Invalid type of collateral
- 99 Other

The reports will provide all relevant output data, including details on the asset, and the settlement account to which the asset is allocated.

Reports will provide the asset price used for valuation, and both the haircutted and un-haircutted market value of the amount of credit that the deposit or withdrawal represents.

**Additions to the standard**

The examples herein are FIX standard with a few exceptions for which we are proposing enhancements:

- The **WireRef** attribute to provide the bank wire transaction reference number so that the CCP can match the deposit request with the wire accompanying the receipt of the collateral;

- The **TrdDt** attribute, corresponding to the SWIFT attribute needed for matching on a deposit request for a security;

- The **TxnID** attribute, to provide the unique reference number for the entire collateral transaction assigned by the CCP.
Deposit Request for Cash

<FIXML>
<CollAsgn
  ID="ABC1234" ID of this transaction
  BizDt="2014-06-24" Business date
  TxnTm="xxx" Transaction timestamp
  TransTyp="0" New request
  AsgnRsn="3" Deposit
  WireRef="JM1234" Bank wire transaction reference number
  Qty="10000000" Face amount
  <Pty ID="CME" R="21"/> Clearing organization
  <Pty ID="111" R="4"/> Clearing member firm ID
  <Pty ID="1115" R="101"/> Asset account
  <Sub ID="43" R="COTC"/> Funds segregation type
  <Sub ID="CDS" R="44"/> Guarantee fund
  <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
  <Sub ID="PB" R="26"/> Asset account type
  <Sub ID="DFLT" R="11"/> Transaction profile (standing settlement instructions)
  <Pty ID="CITIUS4C" R="28"/> Destination BIC code
  <Instrmt
    SecTyp="CASH" Specific asset
    PxQteCcy="EUR"/> Currency of denomination
</CollAsgn>
</FIXML>
Deposit Request for German Government Bond

<FIXML>
<CollAsgn
  ID="ABC1234" ID of this transaction
  BizDt="2014-06-24" Business date
  TrdDt="2014-06-23" Optional trade date field for non-US securities
  TxnTm="xxx" Transaction timestamp
  TransTyp="0" New request
  AsgnRsn="3" Deposit
  WireRef="JM1234" Bank wire transaction reference number
  Qty="10000000" Face amount
  <Pty ID="CME" R="21"/> Clearing organization
  <Pty ID="111" R="4"/> Clearing member firm ID
  <Pty ID="111S" R="101"> Asset account
    <Sub ID="43" R="COTC"/> Funds segregation type
    <Sub ID="CDS" R="44"/> Guarantee fund
    <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
    <Sub ID="PB" R="26"/> Asset account type
    <Sub ID="DFLT" R="11"/> Transaction profile (standing settlement instructions)
  </Pty>
  <Pty ID="CITIUS4C" R="28"/> Destination BIC code
  <Instrmt
    SecTyp="SEC" Specific asset
    PxQtcCcy="EUR" Currency of denomination
    ID="1234567890" ISIN number
    Src="4"/> ID is an ISIN
</CollAsgn>
</FIXML>
Withdrawal Request for Cash

<FIXML>
<CollAsgn>
  ID="ABC1234" ID of this transaction
  BizDt="2014-06-24" Business date
  TxnTm="xxx" Transaction timestamp
  TransTyp="0" New request
  AsgnRsn="4" Withdrawal
  Qty="10000000" Face amount
  <Pty ID="CME" R="21"/> Clearing organization
  <Pty ID="111" R="4"/> Clearing member firm ID
  <Pty ID="111S" R="101"> Asset account
    <Sub ID="43" R="COTC"/> Funds segregation type
    <Sub ID="CDS" R="44"/> Guarantee fund
    <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
    <Sub ID="PB" R="26"/> Asset account type
    <Sub ID="DFLT" R="11"> Transaction profile (standing settlement instructions)
  </Pty>
  <Pty ID="CITIUS4C" R="28"/> Destination BIC code
  <Instrmt
    SecTyp="CASH" Specific asset
    PxQteCcy="EUR"/> Currency of denomination
</CollAsgn>
</FIXML>
Withdrawal Request for German Government Bond

<FIXML>
<CollAsgn
  ID="ABC1234" ID of this transaction
  BizDt="2014-06-24" Business date
  TrdDt="2014-06-23" Optional trade date field for non-US securities
  TxnTm="xxx" Transaction timestamp
  TransTyp="0" New request
  AsgnRsn="4" Withdrawal
  Qty="10000000" Face amount
<Pty ID="CME" R="21"/> Clearing organization
<Pty ID="111" R="4"/> Clearing member firm ID
<Pty ID="111S" R="101"> Asset account
   <Sub ID="43" R="COTC"/> Funds segregation type
   <Sub ID="CDS" R="44"/> Guarantee fund
   <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
   <Sub ID="PB" R="26"/> Asset account type
   <Sub ID="DFLT" R="11"> Transaction profile (standing settlement instructions)
<Pty ID="CITIUS4C" R="28"/> Destination BIC code
<Instrmt
  SecTyp="SEC" Specific asset
  PxQteCcy="EUR" Currency of denomination
  ID="1234567890" ISIN number
  Src="4"/> ID is an ISIN
</CollAsgn>
</FIXML>
Reports for Withdrawal Request for German Government Bond
Report for an valid request

<FIXML>
<CollRsp
  ID="ABC1234"                     <ID of the transaction as sent by the firm
  BizDt="2014-06-24"              <Business date
  TrdDt="2014-06-23"             <Optional trade date field for non-US securities
  RespID="12345668"              <Report ID for this response
  TxnID="ABC1234"                <Clearing system assigned ID for this transaction
  TxnTm="xxx"                    <Transaction timestamp
  TransTyp="0"                   <New request
  AsgnRsn="4"                    <Withdrawal
  RespTyp="4"                    <Request accepted, passed validations and is pending
  LastPx="105.23"                <Asset price
  Qty="10000000"                 <Face amount
  <Pty ID="CME" R="21"/>         <Clearing organization
  <Pty ID="111" R="4"/>          <Clearing member firm ID
  <Pty ID="111S" R="101">        <Asset account
    <Sub ID="43" R="COTC"/>      <Funds segregation type
    <Sub ID="CDS" R="44"/>       <Guarantee fund
    <Sub ID="CLR" R="4"/>        <Collateral to cover normal clearing IM requirement
    <Sub ID="PB" R="26"/>        <Asset account type
    <Sub ID="DFLT" R="11"/>      <Transaction profile (standing settlement instructions)
  <Pty ID="CITIUS4C" R="28"/>     <Destination BIC code
  <Instrmt
    SecTyp="SEC"                <Specific asset
    PxQteCcy="EUR"              <Currency of denomination
    ID="1234567890"             <ISIN number
    MatDt="06-03-2015"          <Maturity date
    Cpn="0.0625"                <Coupon rate
    Src="4"/>                   <ID is an ISIN
  <CollAmt
    HrctInd="Y"                 <Haircutted market value of asset
    Amt="9600000.00"            <Ccy="EUR"/>
  <CollAmt
    HrctInd="N"                 <Unhaircutted market value of asset
    Amt="9800000.00"            <Ccy="EUR"/>
  </CollRsp>
</FIXML>
Reports for Withdrawal Request for German Government Bond
Report for a confirmed request – the security has been or will be released
Note the addition of the SettlDt attribute to tell you the value date of the release.

<FIXML>
  <CollRsp>
    <ID>“ABC1234”</ID>  ID of the transaction as sent by the firm
    <BizDt>“2014-06-24”</BizDt>  Business date
    <TrdDt>“2014-06-23”</TrdDt>  Optional trade date field for non-US securities
    <RespID>“12345668”</RespID>  Report ID for this response
    <TxnID>“ABC1234”</TxnID>  Clearing system assigned ID for this transaction
    <TxnTm>“xxx”</TxnTm>  Transaction timestamp
    <TransTyp>“1”</TransTyp>  Transaction has changed its state
    <AsgnRsn>“4”</AsgnRsn>  Withdrawal
    <RespTyp>“1”</RespTyp>  Request confirmed
    <SettlDt>“2014-06-26”</SettlDt>  Value date of the release
    <LastPx>“105.23”</LastPx>  Asset price
    <WireRef>“JM1234”</WireRef>  Bank wire transaction reference number
    <Qty>“10000000”</Qty>  Face amount
    <Pty ID>“CME” R=“21”/></Pty>  Clearing organization
    <Pty ID>“111” R=“4”/></Pty>  Clearing member firm ID
    <Pty ID>“111S” R=“101”>
      <Sub ID>“43” R=“COTC”</Sub>
      Asset account
    </Pty>
    <Sub ID>“44”</Sub>
    <Sub ID>“CLR” R=“4”/></Sub>
    <Sub ID>“PB” R=“26”/></Sub>
    <Sub ID>“DFLT” R=“11”/></Sub>
    <Pty ID>“CITIUS4C” R=“28”/></Pty>  Destination BIC code
  <Instrmt>
    <SecTyp>“SEC”</SecTyp>  Specific asset
    <PxQteCcy>“EUR”</PxQteCcy>  Currency of denomination
    <ID>“1234567890”</ID>  ISIN number
    <MatDt>“06-03-2015”</MatDt>  Maturity date
    <Cpn>“0.0625”</Cpn>  Coupon rate
    <Src>“4”</Src>  ID is an ISIN
  </Instrmt>
  <CollAmt>
    <HrctInd>“Y”</HrctInd>
    <Amt>“9600000.00”</Amt>
    <Ccy>“EUR”</Ccy>
  </CollAmt>
  <CollAmt>
    <HrctInd>“N”</HrctInd>
    <Amt>“9800000.00”</Amt>
    <Ccy>“EUR”</Ccy>
  </CollAmt>
  </CollRsp>
</FIXML>
Report for a rejected request

<FIXML>
<CollRsp>
  ID="ABC1234" ID of the transaction as sent by the firm
  BizDt="2014-06-24" Business date
  TrdDt="2014-06-23" Optional trade date field for non-US securities
  RespID="12345668" Report ID for this report
  TnxID="ABC1234" Clearing system assigned ID for this transaction
  TnxTm="xxx" Transaction timestamp
  TransTyp="0" New request
  AsgnRsn="4" Withdrawal
  RespTyp="3" Request rejected
  RejRsn="1" Rejection reason // no such security on deposit
  Txt="NO SUCH SECURITY ON DEPOSIT"
  Qty="10000000" Face amount
  <Pty ID="CME" R="21"/> Clearing organization
  <Pty ID="111" R="4"/> Clearing member firm ID
  <Pty ID="111S" R="101"> Asset account
    <Sub ID="43" R="COTC"/> Funds segregation type
    <Sub ID="CDS" R="44"/> Guarantee fund
    <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
    <Sub ID="PB" R="26"/> Asset account type
    <Sub ID="DFLT" R="11"/> Transaction profile (standing settlement instructions)
  <Pty ID="CITIUS4C" R="28"/> Destination BIC code
  <Instrmt>
    SecTyp="SEC" Specific asset
    PxQteCcy="EUR" Currency of denomination
    ID="1234567890" ISIN number
    MatDt="06-03-2015" Maturity date
    Cpn="0.0625" Coupon rate
    Src="4"/> ID is an ISIN
  </Instrmt>
</CollRsp>
</FIXML>
Collateral transactions in CME’s IEF2 and IEF5 programs

CME Clearing offers its IEF2 and IEF5 collateral programs. “IEF” is an abbreviation for “Interest-Earning Facility.” The IEF2 program allows investment of USD cash in various money-market mutual funds, and the IEF5 program allows investment of USD cash in interest-earning bank accounts. Here’s how collateral transactions in these programs are supported in FIXML.

For IEF2 (Money-Market Mutual Funds): Specify the particular money fund via the Instrmt element as follows:

```
<Instrmt
    SecTyp=”MF”    // Security type MF for money fund
    SubTyp=”IEF2”  // Subtype IEF2
    PxQteCcy=”USD”// USD-denominated
    ID=”ABC1234XY”// BIC of the specific fund
    Src=”1”        // Identifies the ID as a BIC code
</Instrmt>
```

Specify the transaction type using the AsgnRsn attribute of the main block exactly as for normal cash and securities transactions, except that in addition to normal deposits and withdrawals, there are two new types supported, “Transfer Deposit” and “Transfer Withdrawal”. Here’s how they work:

- **AsgnRsn=”3”** Normal deposit – CME Clearing takes cash already on deposit and wires it to the fund for purchase of shares.
- **AsgnRsn=”8”** Transfer deposit – the cash needed for the purchase of shares is already at the fund and there is no need for CME to transfer any cash there to support the deposit.
- **AsgnRsn=”4”** Normal withdrawal – Shares in the fund are redeemed and cash is returned to CME Clearing to be credited to the firm.
- **AsgnRsn=”9”** Transfer withdrawal – Shares in the fund are redeemed, but the cash is not returned to CME.

For IEF5 (Interest-Earning Cash Deposit): Specify this on the Instrmt element as follows:

```
<Instrmt
    SecTyp=”CASH”   // Security type is cash
    SubTyp=”IEF5”   // for the IEF5 investment program
    PxQteCcy=”USD”  // USD-denominated
</Instrmt>
```

Use a Pty element of role 28 to specify the destination custodian, with a Src attribute of B to indicate that the custodian value is a BIC:

```
<Pty ID=”CITIUS4C” Src=”B” R=”28”/>
```

For IEF5, only normal deposits and withdrawals are allowed, and neither “transfer deposits” nor “transfer withdrawals” are supported.
Collateral transactions for Tri-Party and Quad-Party Custody Arrangements
(where the asset value is specified as an absolute “lockup” amount)

CME Clearing offers several collateral programs, such as tri-party or quad-party custody arrangements, where the clearing firm specifies the desired amount of value to be “locked up” in a custody account as an absolute number, rather than as a deposit or withdrawal.

The asset types currently supported in this way are TRPY (generic tri-party custody), IEF4 (tri-party custody for corporate debt securities), and QRPY (the four-party “Safekeeping” program.) They should be specified as subtypes of a general “Collateral Basket” type.

For these transactions, on the Collateral Assignment message, the firm should use a value of X for the Assignment Reason Code, indicating that the specified asset quantity is the absolute amount desired to be pledged.

In addition, the firm may use the Subst attribute to specify whether it consents to substitutions once the desired lockup amount is met, with an allowable value of Y or N. If omitted, substitutions are presumed not to be allowed.

On the Collateral Response message, then, three new amount types may be specified for the Collateral Amount element. These allow the Clearing House to specify:

A The lockup amount currently in force, prior to the new request
B The amount of value currently confirmed to be locked up
C The amount of value credited to cover margin requirements
Here’s an example illustrating the message flow for CME’s Safekeeping program. Suppose the amount currently locked up is $10M, and the firm desires to increase it to $20M. The firm would transmit the following Collateral Assignment message:

<FIXML>
<CollAsgn
   ID="ABC1234" ID of this transaction
   BizDt="2014-06-24" Business date
   TxnTm="xxx" Transaction timestamp
   TransTyp="0" New request
   Subst="Y" Consenting to substitutions once the lockup amount is met
   AsgnRsn="X" Specifying the absolute amount desired to be locked up
   Qty="20000000" The desired lockup amount
</CollAsgn>
</FIXML>

<Pty ID="CME" R="21"/> Clearing organization
<Pty ID="111" R="4"/> Clearing member firm ID
<Pty ID="ABC123" R="101"/> Asset account
   <Sub ID="43" R="COTC"/> Funds segregation type
   <Sub ID="CDS" R="44"/> Guarantee fund
   <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
   <Sub ID="PB" R="26"/> Asset account type
<Pty ID="CITIUS4C" R="28"/> Destination BIC (for the Custodian)
<Instrmt
   SecTyp="COLLSKT" Asset type: collateral basket
   SubTyp="QRPY" Specific basket type QRPY (Safekeeping program)
   PxQteCcy="USD"/> Currency of denomination
</CollAsgn>
</FIXML>
The Clearing House would immediately respond with a Collateral Response message, indicating that the request is pending, that the desired new lockup amount is $20M, that the currently in force lockup amount is $10M, that there is $10M confirmed to be on deposit, and that $10M in performance bond credit is currently being provided:

```
<FIXML>
  <CollRsp>
    ID="ABC1234" ID of the transaction as sent by the firm
    BizDt="2014-06-24" Business date
    RespID="12345668" Report ID for this response
    TxnID="ABC1234" Clearing system assigned ID for this transaction
    TxnTm="xxx" Transaction timestamp
    TransTyp="0" New request
    Subst="Y" Consenting to substitutions once the lockup amount is met
    AsgnRsn="X" Lockup amount
    RespTyp="4" Request accepted, passed validations and is pending
    Qty="20000000" Face amount
    <Pty ID="CME" R="21"/> Clearing organization
    <Pty ID="111" R="4"/> Clearing member firm ID
    <Pty ID="ABC123" R="101">
      <Sub ID="43" R="COTC"/> Funds segregation type
      <Sub ID="CDS" R="44"/> Guarantee fund
      <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
      <Sub ID="PB" R="26"/> Asset account type
    </Pty>
    <Pty ID="CITIUS4C" R="28"/> Destination BIC (for the Custodian)
  <Instrmt>
    SecTyp="COLLBSKT" Asset type: collateral basket
    SubTyp="QRPY" Specific basket type
    PxQteCcy="USD"/>
    Currency of denomination
  </Instrmt>
  <CollAmt>
    AmtTyp="A" Lockup amount currently in force
    Amt="10000000.00"
    Ccy="USD"/
  </CollAmt>
  <CollAmt>
    AmtTyp="B" Value currently confirmed to be locked up
    Amt="10000000.00"
    Ccy="USD"/
  </CollAmt>
  <CollAmt>
    AmtTyp="C" Margin credit currently provided
    Amt="10000000.00"
    Ccy="USD"/
  </CollAmt>
</CollRsp>
</FIXML>
```
The Clearing House next responds with a message indicating that the request has been completed. In other words, the request from the firm to increase the lockup amount to $20M has been accepted, and the new value has been transmitted to the Custodian. At that moment, however, there is still only $10M confirmed to be locked up, and only $10M of margin credit being provided.

<FIXML>
<CollRsp
  ID="ABC1234" ID of the transaction as sent by the firm
  BizDt="2014-06-24" Business date
  RespID="12345669" Report ID for this response
  TxnID="ABC1234" Clearing system assigned ID for this transaction
  TxnTm="xxx" Transaction timestamp
  TransTyp="0" New request
  Subst="Y" Consenting to substitutions once the lockup amount is met
  AsgnRsN="X" Lockup amount
  RespTyp="4" The transaction as a whole is still pending
  Qty="20000000" Face amount
<Pty ID="CME" R="21"/> Clearing organization
<Pty ID="111" R="4"/> Clearing member firm ID
<Pty ID="ABC123" R="101"> Asset account
  <Sub ID="43" R="COTC"/> Funds segregation type
  <Sub ID="CDS" R="44"/> Guarantee fund
  <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
  <Sub ID="PB" R="26"/> Asset account type
<Pty ID="CITIUS4C" R="28"/> Destination BIC (for the Custodian)
<Instrmt
  SecTyp="COLLBSKT" Asset type: collateral basket
  SubTyp="QRPY" Specific basket type
  PxQteCcy="USD"/> Currency of denomination
<CollAmt
  AmtTyp="A" Lockup amount currently in force
  Amt="20000000.00" Ccy="USD"/>
<CollAmt
  AmtTyp="B" Value currently confirmed to be locked up
  Amt="10000000.00" Ccy="USD"/>
<CollAmt
  AmtTyp="C" Margin credit currently provided
  Amt="10000000.00" Ccy="USD"/>
</CollRsp>
</FIXML>
The Custodian begins sweeping additional value into the locked-up account. Suppose ten minutes later it responds that it has swept an additional $8M of value into the locked-up account, bringing the total locked up therein to $18M:

\[
\text{<CollRsp>}
\]

\[
\begin{align*}
\text{ID} &= \text{"ABC1234"} & \text{ID of the transaction as sent by the firm} \\
\text{BizDt} &= \text{"2014-06-24"} & \text{Business date} \\
\text{RespID} &= \text{"12345670"} & \text{Report ID for this response} \\
\text{TxnID} &= \text{"ABC1234"} & \text{Clearing system assigned ID for this transaction} \\
\text{TxnTm} &= \text{"xxx"} & \text{Transaction timestamp} \\
\text{TransTyp} &= \text{"0"} & \text{New request} \\
\text{Subst} &= \text{"Y"} & \text{Consenting to substitutions once the lockup amount is met} \\
\text{AsgnRsn} &= \text{"X"} & \text{Lockup amount} \\
\text{RespTyp} &= \text{"4"} & \text{The transaction as a whole is still pending} \\
\text{Qty} &= \text{"20000000"} & \text{Face amount} \\
\text{<Pty ID="CME" R="21"/>} & \text{Clearing organization} \\
\text{<Pty ID="111" R="4"/>} & \text{Clearing member firm ID} \\
\text{<Pty ID="ABC123" R="101"/>} & \text{Asset account} \\
\text{<Sub ID="43" R="COTC"/>} & \text{Funds segregation type} \\
\text{<Sub ID="CDS" R="44"/>} & \text{Guarantee fund} \\
\text{<Sub ID="CLR" R="4"/>} & \text{Collateral to cover normal clearing IM requirement} \\
\text{<Sub ID="PB" R="26"/>} & \text{Asset account type} \\
\text{<Pty ID="CITIUS4C" R="28"/>} & \text{Destination BIC (for the Custodian)} \\
\text{<Instrmt> SecTyp="COLLBSKT"} & \text{Asset type: collateral basket} \\
\text{SubTyp="QRPY"} & \text{Specific basket type} \\
\text{PxQteCcy="USD"/>} & \text{Currency of denomination} \\
\text{<CollAmt AmtTyp="A"} & \text{Lockup amount currently in force} \\
\text{Amt="20000000.00" Ccy="USD"/>} \\
\text{<CollAmt AmtTyp="B"} & \text{Value currently confirmed to be locked up} \\
\text{Amt="18000000.00" Ccy="USD"/>} \\
\text{<CollAmt AmtTyp="C"} & \text{Margin credit currently provided} \\
\text{Amt="18000000.00" Ccy="USD"/>} \\
\text{</CollRsp>}
\end{align*}
\]

</FIXML>
Suppose ten minutes later the Custodian replies that it has overfilled the account, bringing the total up to $22M. The Clearing House would send the following message to the firm, indicating that there is $22M in the account, but the margin credit provided is only $20M, because the firm had only requested a total of $20M.

```xml
<FIXML>
<CollRsp>
  ID="ABC1234" ID of the transaction as sent by the firm
  BizDt="2014-06-24" Business date
  RespID="12345671" Report ID for this response
  TnxnID="ABC1234" Clearing system assigned ID for this transaction
  TnxnTm="xxx" Transaction timestamp
  TransTyp="0" New request
  Subst="Y" Consenting to substitutions once the lockup amount is met
  AsgnRsn="X" Lockup amount
  RespTyp="1" Request completed. Credit provided for the full lockup amount.
  Qty="20000000"> Face amount
  <Pty ID="CME" R="21"/> Clearing organization
  <Pty ID="111" R="4"/> Clearing member firm ID
  <Pty ID="ABC123" R="101"> Asset account
    <Sub ID="43" R="COTC"/> Funds segregation type
    <Sub ID="CDS" R="44"/> Guarantee fund
    <Sub ID="CLR" R="4"/> Collateral to cover normal clearing IM requirement
    <Sub ID="PB" R="26"/> Asset account type
  <Pty ID="CITIUS4C" R="28"/> Destination BIC (for the Custodian)
  <Instrmt
    SecTyp="COLLBSKT" Asset type: collateral basket
    SubTyp="QRPY" Specific basket type
    PxQteCcy="USD"/> Currency of denomination
  <CollAmt
    AmtTyp="A" Lockup amount currently in force
    Amt="20000000.00" Ccy="USD"/>
  <CollAmt
    AmtTyp="B" Value currently confirmed to be locked up
    Amt="22000000.00" Ccy="USD"/>
  <CollAmt
    AmtTyp="C" Margin credit currently provided
    Amt="20000000.00" Ccy="USD"/>
</CollRsp>
</FIXML>
```
Linking Transactions

CME is introducing the ability for the firm to link collateral transaction requests, together with a text instruction for how the group of requests is to be processed. For example, if the firm wishes to deposit cash to be used to purchase IEF2 shares, it could link the two requests together.

Linking is done using the Batch element to serve as a container for the linked messages. To do this, enclose the desired CollAsgn messages within the Batch element, and use the ID attribute of the Batch element to specify a common value linking all the individual transactions of the batch together:

```
<FIXML>
    <Batch ID="ABC12345">
        <CollAsgn>…</CollAsgn>
        <CollAsgn>…</CollAsgn>
        <CollAsgn>…</CollAsgn>
    </Batch>
</FIXML>
```

Text data may be provided for each message with additional processing instructions. To do this, include the following two attributes:

- CollReqInst="OTHER" Indicates that free-form instruction text follows
- Txt="….." Free-form instruction text

Improved warnings and errors

On the CollRsp message, we have two new attributes to provide explicit warning and error messages:

- WarnTxt="......." Or
- RejectTxt="....."

The regular Txt attribute will provide the free-form text provided by the firm.