

DATE: July 16, 2018
TO: Clearing Member Firms
FROM: CME Clearing
ADVISORY #: 18-290
SUBJECT: **FIXML Cleared Trade Order ID Enrichment, November 12, 2018**

CME has enhanced its FECPlus FIXML API to allow three (3) new Order ID fields to be included on the trade update message. These new fields can be submitted as part of the Trade Update Request and will be sent to the Clearing Firm via a new 'Unsolicited Update' confirmation message.

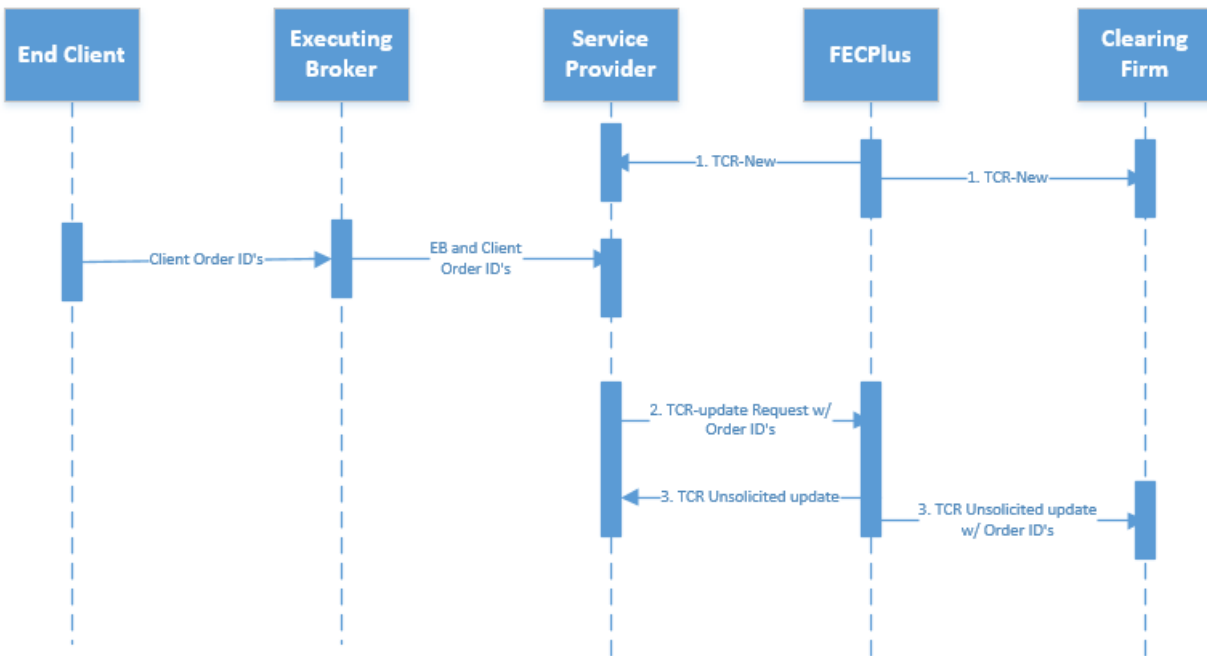
The enhancement is designed to allow a third-party Service Provider acting on behalf of a Clearing Firm to enrich a cleared trade with additional Order IDs familiar to the Clearing Firm and its customers. The purpose of the new Order ID fields is to help firms identify the trades for allocation and streamline processing in their middle and back office systems.

While it is expected that clearing firms will coordinate with their service providers in advance, this feature is optional and firms can choose not to consume the enriched order IDs submitted by the service providers. Firms should confirm that the added information will not impact their downstream systems.

Workflow

The workflow for enriching a cleared trade with additional Order ID information is shown in the diagram below. The flow to the left of the Service Provider is for illustration purposes only and demonstrates how the Order ID information reaches the Service Provider. The flow to the right of the Service Provider is the enhanced flow.

Cleared Trade Enrichment Workflow



- In Step 1 FECPlus sends a FIXML Trade Capture Report (TCR) new message to both the Clearing Firm and Service Provider. Nothing has changed with this message.
- In Step 2 the Service Provider sends in a FIXML TCR Update Request message to FECPLUS which carries the new Order ID fields. The message submission is unchanged otherwise.
- In Step 3 FECPlus sends a new TCR Unsolicited Update message to the Clearing Firm, identified with a new RptTyp value of 18. The message carries the new Order ID fields submitted by the Service Provider. The same message is also sent to the Service Provider and serves the purpose of an acknowledgement to its Update Request

New Message and Fields

The new fields carried on the FIXML TCR Update submission message are shown below. These new fields will be carried in the RptSide block.

- OrdID2 – carries the end client’s “Parent Order ID”
- RefCOrdID – carries the end client’s “Child Order ID”
- RefOrdID – carries the executing broker’s “Parent Order ID”

This **FIXML TCR Unsolicited Update message** is a new message that will be sent **from** FECPlus **to** the Clearing Firm upon receipt of a TCR Update Request message carrying one or more of the above Order ID fields. This message will be distinguished by a new RptTyp value

- RptTyp w/ new enumeration 18
- It is anticipated that the new Order ID fields carried on the TCR Unsolicited Update message can be used by middle and back office systems to help identify the trades for give-up and allocation.
- Note that once the new Order ID fields have been submitted they will be present on all subsequent TCR update messages. Any change to these fields will result in receipt of the TCR Unsolicited Update message.
- The new Order ID fields may be updated or removed. To remove a field set the attribute to an empty value, for example, RefOrdID = ""
- Clearing Firms may also submit the new Order ID fields on a standard TCR update request. Doing so will result in receipt of the new TCR Unsolicited Update message.

Sample messages

1. Trade Capture Report Update Submission Message Sample (Inbound/existing w/new fields) From Service Provider

```

<FIXML>
  <TrdCaptRpt TrdID="100005" TransTyp="2" RptTyp="0" TrdTyp="0" TrdDt="2018-06-12"
  MLegRptTyp="1" LastQty="1" LastPx="120.25" TxnTm="2018-06-11T17:42:52-05:00">
    <Hdr SID="999" TID="CME" SSub="CBT"/>
    <Instrmt ID="21" SecTyp="FUT" MMY="201809" Exch="CBT"/>
    <RptSide Side="1"
      RefOrdID="EB-PA-A"
      RefClOrdID="CL-CH1"
      OrdID2="CL-ORD1"
      CustCpcty="4" SesSub="E">
      <Pty ID="CBT" R="22"/>
      <Pty ID="010" R="1"/>
      <Pty ID="TESTACCOUNT" R="24">
        <Sub ID="2" Typ="26"/>
      </Pty>
    </RptSide>
  </TrdCaptRpt>
</FIXML>

```

2. Trade Capture Report Unsolicited Update Submission Message (Outbound/New) To Clearing Firm

<FIXML>

<TrdCaptRpt RptID="2904497" TransTyp="2" RptTyp="18" TrdTyp="0" MtchID="80B412"
ExecID="8888:M:8888908TN0105683" PxTyp="2" TrdDt="2018-06-29" BizDt="2018-06-29"
MLegRptTyp="1" MtchStat="0" MsgEvtSrc="CMESys" RptRefID="192810" TrdRptStat="0"
TrdID="192810" TrdID2="D280B41A" LastQty="1" LastPx="120.25" TxnTm="2018-06-29T12:29:04-
05:00" SettIDt="2018-09-28" TrdHandlInst="0" VenueTyp="E" VenuTyp="E" LastUpdateTm="2018-06-
29T12:29:04.498-05:00">

<Hdr Snt="2018-06-29T12:29:04-05:00" SID="CME" TID="999" SSub="CME" TSub="CBT"/>

<Instrmt Sym="ZNU8" ID="21" CFI="FFDPSO" SecTyp="FUT" Src="H" MMY="20180900"

MatDt="2018-09-19" Mult="1000" Exch="CBT" PxQteCcy="USD"/>

<RptSide Side="1" ClOrdID="ABC12345" InptSrc="GBX" InptDev="API" CustCpcty="2" OrdTyp="L"

SesID="RTH" SesSub="E" ClOrdID="EB-Ch-1" OrdID="88881783180" AgrsrInd="N"

AllocChngStat="0"

RefOrdID="EB-PA-A"

RefClOrdID="CL-CH1"

OrdID2="CL-ORD1">

<Pty ID="CME" R="21"/>

<Pty ID="999" R="4"/>

<Pty ID="CBT" R="22"/>

<Pty ID="999" R="1"/>

<Pty ID="CUST1" R="24">

<Sub ID="1" Typ="26"/>

</Pty>

<Pty ID="TRDR1" R="12"/>

<Pty ID="POSACCT1" R="38">

<Sub ID="1" Typ="26"/>

</Pty>

<Pty ID="SESSID1" R="44"/>

<Pty ID="OPER1" R="55"/>

<Pty ID="US,IL" R="54"/>

<Pty ID="API" R="200"/>

<RegTrdID ID="C123XYZ5ED9B1201D280B41A" Src="1010000023" Typ="0" Evnt="2"/>

<TrdRegTS TS="2018-06-29T12:26:08-05:00" Typ="1"/>

</RptSide>

</TrdCaptRpt>

</FIXML>

Timeframe and Testing Window

This enhancement is expected to be available in NR on October 31, 2018 and in Production on November 12, 2018. We will provide an update if these dates change.

For questions or concerns, please send an email to ccs@cmegroup.com or call 312 207 2525.