MGEX Clearing System

Position Change Submission (PCS) Reporting 1.0

Modified April 2023

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1. Overview

The MGEX Clearing System (MCS) uses clearing member long and short positions to calculate and report open interest and to support validation of options exercise intentions upon receipt. While MCS tracks adjustments to long and short positions at a gross level as trade activity occurs in real-time, MCS is unable to identify which positions can be offset at an account level. Given this, MCS relies on clearing members to report their gross ending positions for both house (regular) and customer (segregated) accounts.

Clearing members may report ending long and short positions through either manual entry in the MCS Portal or through submission of a Position Change Submission (PCS) FixML file sent via SFTP. This document provides the specification of the PCS FixML file.

Positions are allowed to be offset (using one position to cancel an opposite position) or reinstated (increasing positions proportionally to the original position), but must be in balance. Clearing Members may not offset nor reinstate positions during certain prohibition periods in accordance with MGEX Rules (https://www.mgex.com/regulation.html).

Clearing members are only required to submit PCS entries for the long quantities, whether zero or greater than zero. MCS will calculate the short quantities using the calculated offset from the clearing member's long quantity submission.

1.1   Position Maintenance Request FixML Specification

Clearing members will submit PCS files containing FixML Position Maintenance Request (<PosMntReq>) records to report long positions to MCS.

The following table details the attributes and elements used in PCS messages.

Position Maintenance Request					
FIXML element	**Field name**	**Format**	**Required (Yes/No)**	**Description**	**Example**
<PosMntReq> PositionMaintenanceRequest					
ReqID	PosReqID	String	Yes	Unique message sequence number assigned by clearing member to identify the request.	172819
TxnTyp	PosTransType	Int	Yes	4 = Position change submission / margin disposition (PCS)	4

Actn	PosMaintAction	Int	Yes	1 = New	1
AdjTyp	AdjustmentType	Int	Yes	3 = Final	3
BizDt	ClearingBusinessDate	Date	Yes	Clearing date of the reported position	2022-02-27
TxnTm	TransactTime	UTC Timestamp	Yes	Date/time when this position request was generated	2022-02-27T09:08:06
SetSesID	SettlSessID	String	Yes	Identifies the settlement session EOD = End Of Day	EOD
<Pty> Party, *Repeating group*					
ID	PartyID	String	Yes	Clearing Organization MGEX = MGE	MGE
R	PartyRole	Int	Yes	Party Role 21 = Clearing Organization	21
</Pty>					
<Pty> Party, *Repeating group*					
ID	PartyID	String	Yes	Exchange MIC code MGEX = XMGE Bitnomial = BTNL	XMGE
R	PartyRole	Int	Yes	Party Role 22 = Exchange	22
</Pty>					
<Pty> Party, *Repeating group*					
ID	PartyID	String	Yes	Executing (clearing) firm	100
R	PartyRole	Int	Yes	Party Role 1 = Executing Firm	1

<Sub> PartySubGrp					
ID	PartySubID	Int	Yes	1 = Segregated Account 2 = Regular / House Account	1
Typ	PartySubIDType	Int	Yes	26 = Position account type	26
</Sub>					
</Pty>					
<Instrmt> Instrument					
ID	SecurityID	String	Yes	Clearing code for the product	W
SecTyp	SecurityType	String	Yes	FUT = Future OOF = Options on futures OOC = Options on combo	FUT
MMY	MaturityMonthYear	String	Yes	Contract Year, Month in YYYYMM format	202202
PutCall	PutOrCall	Int	No	Put or Call 0 = Put 1 = Call	0
StrkPx	StrikePrice	Price	No	Strike price for an option, in decimal format.	3.4525
Exch	SecurityExchange	String	Yes	Exchange for the product MGEX = XMGE Bitnomial = BTNL	XMGE
</Instrmt>					
<Qty> PositionQty					

Typ	PosType	String	Yes	TQ = Transaction Quantity	TQ
Long	LongQty	Int	Yes	Long quantity	545
</Qty>					
</PosMntReq>					

1.2 Position Maintenance Request Message Example

The following example shows usage of the various fields in a Position Maintenance Request FixML message.

```
<PosMntReq ReqID="1001" TxnTyp="4" Actn="1" AdjTyp="3" BizDt="2022-04-19"
 TxnTm="2022-04-19T11:23:45-05:00" SetSesID="EOD">
      <Pty R="21" ID="MGE" />
      <Pty R="22" ID="XMGE" />
      <Pty R="1" ID="123" />
          <Sub Typ="26" ID="1" />
      </Pty>
      <Instrmt ID="W" SecTyp="FUT" MMY="202206" Exch="XMGE" />
      <Qty Typ="TQ" Long="50" />
</PosMntReq>
```

1.3 PCS File Structure

The complete PCS file should include the XML header and a batch of Position Maintenance requests as per the below example.

```
<?xml version="1.0" encoding="UTF-8"?>
<FIXML>
   <Batch>
      <PosMntReq ReqID="1001" TxnTyp="4" Actn="1" AdjTyp="3" ...
      <PosMntReq ReqID="1002" TxnTyp="4" Actn="1" AdjTyp="3" ...
      <PosMntReq ReqID="1003" TxnTyp="4" Actn="1" AdjTyp="3" ...
   </Batch>
</FIXML>
```

1.4 File naming convention and SFTP location

The PCS file should placed in the clearing members /input directory using the following naming convention:

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MKTC_PCS_AAA_YYYY-MM-DD.xml

where MKTC is the 4 character market code (MGEX or BTNL), PCS is the static file type identifier, AAA is the clearing members ID and YYYY-MM-DD is the clearing business date for which positions are being submitted.

Clearing members can review the status of their PCS file submissions including information regarding partially or fully rejected files in the MCS Portal.

Appendix A: Revision History

Revision Date	Version	Description
July 2022	0.1	Initial draft version
April 2023	1.0	Promoted to initial 1.0 version.

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