

MIAX Futures Clearing System

TRX File Specification 1.1

Modified October 2023

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1. Overview

The updated TRX file is a modified version of the legacy file and includes changes to how TRX conveys data on giveout and give-in transactions as described in detail below.

For examples highlighting the specific changes between the updated and legacy TRX file formats, please see sections 2.1.1 and 2.1.2 of this document.

1.1 File Specification

The following table details the record layout contained in the file.

TRX File					
Position		Field Name	Format	Description	Examples
From	To				
Header row					
1	8	Business date	MMDDYY YY	Business date the positions are reported for	3312021
9	9	Filler		Not used/ blank	
10	15	Message time	HHMMSS	Time that the file was created in Central Standard Time	170221
16	16	Filler		Not used/ blank	
17	21	Number of records	Numeric	The number of rows in the file, excluding the header row	03418
22	22	Filler		Not used/ blank	
23	23	Final Indicator	F if Final, otherwise (blank)	Indicator that the file is the final one for today	F
Trades and Allocations					
1	3	Message ID	String	The Legacy Code for the Market of the trade/allocation MGE = MGEX BT = BTNL	MGE

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4	4	Message version		Not used/ blank	
5	12	Message time	HHMMSS 00	Time that the file was created in Central Standard Time	13243000
13	20	TRX ID		Not used/ blank	
21	24	Message length	Numeric	Length of the message, always 184	0184
25	25	Action Code	A	Always A = Add	A
26	26	Trade Route	1	Always 1 = Clearing only	1
27	34	Trade Date	YYYYMM DD	Trade Date on the trade or allocation	20210305
35	39	Exchange ID	String	The exchange of the trade/allocation MGEX or 09 = Minneapolis Grain Exchange BTNL = Bitnomial Exchange	09
40	44	Clearing Firm	String	Clearing Member's legacy code	AD
45	49	Trader ID	String	Trader ID party to the transaction. Only populated for electronic trades.	2A3D
50	51	Transaction Type	String	Kind of transaction Blank = Standard, TAS T = Transfer, Allocations B = Block C = EFP D = Delivery E = Option exercise, Expiration R = EFR	T
52	52	Buy/Sell Code	String	Transaction side B = Buy S = Sell	B
53	57	Commodity Code	String	Clearing code of the instrument	W
58	65	Contract Year/Month	YYYYMM 00	Year and month of the contract maturity. Days set to 00	20240500

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66	66	Put/Call	String	Kind of option C = Call P = Put	C
67	74	Strike Price	Numeric	Strike Price of the option	730
75	75	Strike Sign	String	Sign of the option's strike price (blank) = Positive - = Negative	“ “
76	80	Opposite member	String	Legacy code of the opposite Clearing Member. Not populated for electronic trades.	JP
81	85	Opposite broker	String	Opposite side broker code, if provided. Not populated on electronic trades.	3F5L
86	99	Trade Price	Numeric	Trade Price	645750
100	100	Price Sign	String	Sign of the trade price (blank) = Positive - = Negative	“ “
101	105	Quantity	Numeric	Quantity	82
106	108	Time Bracket Code		Not used/ blank	
109	118	Account ID	String	Account ID	C0794903
119	119	CTI Code	Numeric	Customer type indicator	4
120	121	Origin Code	Numeric	Account Type 1 = Segregated 2 = Regular	1
122	129	Card/Order ID	String	Client Order ID, truncated to 8 rightmost characters in case of overflow	116A
130	131	Fee Code		Not used/ blank	
132	132	Sub-trade Type	String	For allocations, identifies the trade type of the originating give-up group. (blank) = Standard, TAS T = Transfer B = Block C = EFP	C

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				D = Delivery E = Option exercise, Expiration R = EFR	
133	138	CTR Card Sequence		Not used/ blank	
139	139	Open/Close Indicator	String	Position effect (blank) = N/A O = Open C = Close	O
140	145	Trade ID Seq Number	Numeric	A 6-digit ID number assigned by the Clearing System, unique per clearing Business date and Market, starting from 1 and increasing until it reaches 999,999. Corresponds to the TRX ID in MGEXPortal	25489
146	148	Trade ID source code	String	Trade source TEM = Manual or System generated transaction MGX = Electronic trade through Minneapolis Grain Exchange BT = Electronic trade through Bitnomial Exchange	MGX
149	150	Trade ID cycle code		Not used/ blank	
151	152	Order Type	String	TAS Trade flag ST = TAS (blank) = Not TAS	ST
153	157	Floor broker		Not used/ blank	
158	158	Cabinet	String	Cabinet flag C = Cabinet (blank) = Not cabinet	“ “
159	160	Transfer reason		Not used/ blank	
161	162	Opposite origin		Not used/ blank	
163	163	Opposite open/close		Not used/ blank	
164	164	Cancel indicator		Not used/ blank	

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165	165	APS/GAP indicator	String	Give-up Indicator (blank) = Regular Trade G = Give-up Trades	G
166	166	APS/GAP indicator	String	Allocation Indicator (blank) = Regular Trade I = Give-up Allocation O = Take-up Allocation	O
167	167	Authorization code		Not used/ blank	
168	168	APS/GUS indicator	String	Give-up Indicator (blank) = Regular Trade G = Give-up Trades I = Give-up Allocation O = Take-up Allocation	O
169	173	APS Group ID	Numeric	Give-up Group ID	93035
174	179	Order execution time	HHMMSS	Trade Execution time in Central Standard Time	132430
180	184	Business cycle code	String	Indicates whether the transaction was processed during Regular Trading Hours (RTH) or Electronic Trading Hours (ETH) RTH = Manual or System generated trades ETH = Electronic trades	ETH
APS Special Block					
1	2	Block	A8	Always A8	A8
3	9	Residual Amount		Not used/ blank	
10	14	Group Code	String	Give-up Group ID	2001
15	19	Reserved		Not used/ blank	
20	30	Rounded Price		Not used, zeroes in all positions	0000000000
31	46	Extended Price	Numeric	True Average Price	624833333330000

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47	49	Reserved	Not used/ blank
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1.2 File naming convention and SFTP location

The TRX file will be placed in the Clearing Member’s output directory using the following naming convention:

TRX_MKTC_YYYYMMDD_AAA_v2.txt

where TRX is the static file type identifier, MKTC is the Clearing System market code (MGEX or BTNL), YYYYMMDD is the clearing business date, AAA is the Clearing Member ID, and v2 is the version number.


2.1 File Enhancements

2.1.1 Trade date on allocations

For give-up and take-up allocations, positions 27-34 of the TRX file will now report the allocation’s original Trade Date instead of the Accepted Date. In other words, instead of corresponding to the Trade Date on which a given allocation was accepted, these positions will now report the original Trade Date of the transactions that formed the executing give-up group.

Example

- CM 101 buys 10 Wheat Future contracts on 10/1/2023 (**Original Trade Date**)
- CM 101 initiates a give-up for the 10 Wheat Future contracts to CM 102 on 10/3/2023
- CM 102 accepts the take-up allocation on 10/4/2023 (**Accepted Date**)

Current TRX file Use the Accepted Date on the Allocation - 10/4/2023	MGE 17051500	0184A1 <u>20231004</u> 09 Accepted Date
		
Updated TRX file Applies the Trade Date on the Allocation - 10/1/2023	MGE 17051500	0184A1 <u>20231001</u> 09 Trade Date

We advise that Clearing Member back-offices review their procedures for parsing this data and any other processes that may be affected by this change.

2.1.1 New field: Sub-Trade type

For give-up and take-up allocations, position 132 will now report the trade type from the executing give-up group. The Transaction Type on all allocations will still be reported as “T” in position 50, with positions 165-166 identifying give-up allocations as “GO” and take-up allocations as “GI” to differentiate from transfer trades. However, the Sub-trade Type field will give Clearing Members additional information to help track and analyze their daily allocation activity. The Sub-trade Type will use similar mapping types from the transaction/trade type field in position 50, described as follows:

- Blank = Standard, TAS
- T = Transfer
- B = Block
- C = EFP
- D = Delivery
- E = Option exercise, Expiration
- R = EFR

Example

- CM 101 buys 5 SPIKES Future contracts as an Exchange of Futures for Physical (EFP) trade
- CM 101 initiates a give-up for the 5 SPIKES Future contracts to CM 102

Positions 1-65

```

10012023 114218 00002
MGE 11421800          0184A12023100109  101  C BS  20231000
MGE 11421800          0184A12023100109  101  T SS  20231000
  
```

Trade type on original trade

Positions 132-188 (Updated TRX file)

```

          000001TEM          G00229000000RTH
C  000002TEM          GO 000229113043RTH
  
```

Sub-trade type stored on give-up out/in transaction from original trade

We advise that Clearing Member back-offices review their procedures for parsing this data and any other processes that may be affected by this change.

Appendix A: Revision History

Revision Date	Version	Description
October 2023	1.1	Initial file specification for TRX File version 2

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