

Front-End Audit Trail Requirements Advisory

Version 2.0

Modified April 14, 2026

Front-End Audit Trail Requirements Advisory

Associated with MIAX Futures Definitions and Rules 5.3. and 2.3.2.

Pursuant to MIAX Futures Definition of “Order” and Rules 5.3. and 2.3.2, MIAX Futures Exchange, LLC (“MIAX Futures” or “Exchange”) requires that each Clearing Member, OCC Clearing Member, or Onyx Direct Participant ensures that all orders submitted to the Exchange comply with the Exchange’s Audit Trail requirements.

In accordance with the Definition of “Order” and Rules 5.3. and 2.3.2., each Clearing Member, OCC Clearing Member, or Onyx Direct Access Participant shall, in accordance with CFTC Regulations, Exchange Rules, and guidance adopted by the Exchange, be responsible for maintaining electronic audit trail at the time of order generation:

ORDER: means any bid or offer to buy or sell a MIAX Futures contract in accordance with the Rules of the Exchange, which includes, but is not limited to, any cancellation, deletion, modification, alteration, or any other message pertaining to such Order, or as may otherwise be approved by the Exchange from time to time.

5.3. ORDER ENTRY AND AUDIT TRAIL REQUIREMENTS.

Market Participants shall enter Orders into the Electronic Trading System by electronic transmission and shall provide the information required by the Electronic Trading System for such MIAX Futures Contract and shall adhere to the audit trail requirements under **Rule 2.3.2**. The Exchange shall maintain an electronic record of successfully processed Order entries. Each Clearing Member, OCC Clearing Member, and Onyx Direct Access Participant shall be responsible for any and all Orders that it enters into the Electronic Trading System.

Similarly, each Clearing Member, OCC Clearing Member, or Onyx Direct Access Participant must maintain compliance with the following audit trail requirements for electronic audit trail reviews by the MIAX Futures Market Regulation Department:

2.3.2. ELECTRONIC AUDIT TRAIL AND OTHER RECORDKEEPING REQUIREMENTS.

All Clearing Members, OCC Clearing Members, and/or Onyx Direct Access Participants are required to maintain or cause to be maintained the Order routing and front-end audit trail for all electronic Orders that it or its customer enters including, but not limited to: Order entry, modification, cancellation and responses to such messages entered into the Electronic Trading System by the Clearing Member, Onyx Direct Access Participants, or its customers.

The Clearing Member, OCC Clearing Member, and/or Onyx Direct Access Participant may assign the recordkeeping requirements contained in this Rule subject to the following conditions: (1) the Clearing Member, OCC Clearing Member, and/or Onyx Direct Access Participant must have

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applicable written agreements assigning the recordkeeping requirements with particularity; and (2) upon request, either the Clearing Member, OCC Clearing Member, and/or Onyx Direct Access Participant must provide such agreements to the Exchange.

The Clearing Member, OCC Clearing Member, and/or Onyx Direct Access Participant must ensure that any written agreements assigning recordkeeping requirements of this Rule are being followed. The Clearing Member, OCC Clearing Member, and/or Onyx Direct Access Participant may be held accountable for failure to maintain or causing to be maintained the recordkeeping requirements of this Rule.

Audit trail data must contain a complete and accurate record of information and fields that are required by the Electronic Trading System and this Rule. Changes to required audit trail data for the Electronic Trading System may occur from time to time, and are hereby incorporated into this Rule. Required audit trail data means a record of all FIX Order Interface (“FOI”) and Futures Express Interface (“FEI”) Tag information and fields (as applicable), including, but not limited to: Account (Tag 1), Client Order ID (Tag 11), Execution ID (Tag 17), Last Price (Tag 31), Last Size (Tag 32), Order ID (Tag 37), Order Quantity (Tag 38), Order Status (Tag 39), Order Type (Tag 40), Original Client Order ID (Tag 41), Price (Tag 44), Operator ID (Tag 50), Client Sending Time (Tag 52), Order Instructions (Tag 54), Instrument ID (Tag 55), Text (Tag 58), Time in Force (Tag 59), Transaction Time (Tag 60), Stop Order Trigger Price (Tag 99), Minimum Quantity (Tag 110), MPID (Tag 115), Operator Location (Tag 142), Execution Type (Tag 150), Leaves Quantity (Tag 151), Customer Order Handling Instruction (Tag 204), Status (Tag 378), Manual Order Indicator (Tag 1028), Customer Order Handling Instruction (Tag 1031), Self Trade Protection (Tag 7928), and CTI code (Tag 9702). In addition, for executed orders, records must include the execution time of the trade along with all fill information.

Audit trail data must contain a complete and accurate record of information and fields that are required by the Electronic Trading System and this Rule. Changes to required audit trail data for the Electronic Trading System may occur from time to time, and are hereby incorporated into this Rule. Required audit trail data means a record of all FIX Order Interface (“FOI”) and Futures Express Interface (“FEI”) Tag information and fields (as applicable), including, but not limited to: Account (Tag 1), Client Order ID (Tag 11), Execution ID (Tag 17), Last Price (Tag 31), Last Size (Tag 32), Order ID (Tag 37), Order Quantity (Tag 38), Order Status (Tag 39), Order Type (Tag 40), Original Client Order ID (Tag 41), Price (Tag 44), Operator ID (Tag 50), Client Sending Time (Tag 52), Side (Tag 54), Instrument ID (Tag 55), Text (Tag 58), Time in Force (Tag 59), Transaction Time (Tag 60), Stop Order Trigger Price (Tag 99), Minimum Quantity (Tag 110), MPID (Tag 115), Operator Location (Tag 142), Execution Type (Tag 150), Leaves Quantity (Tag 151), Customer or Firm (Tag 204), Status (Tag 378), Manual Order Indicator (Tag 1028), Customer Order Handling Instruction (Tag 1031), Self Trade Protection (Tag 7928), and CTI Code (Tag 9702). In addition, for executed orders, records must include the execution time of the trade along with all fill information.

The Exchange conducts annual reviews of Clearing Members, OCC Clearing Member, and Onyx Direct Participants to verify compliance with the audit trail and recordkeeping requirements. Each Person with direct access to Onyx shall maintain (or caused to be maintained) and, upon request, produce the audit trail records required by this Rule; and each Clearing Member, OCC Clearing Member, or Onyx Direct Participant shall, upon request, obtain and produce the audit trail records required under this Rule for each Person the Clearing Member, OCC Clearing Member, or Onyx Direct Participant has authorized to have direct access to Onyx. Upon request by the Exchange, each Clearing Member, OCC Clearing Member, and Onyx Direct Participant must produce the electronic audit trail in a format prescribed by the Exchange.

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Failure to produce the requested information may result in disciplinary action.

A summary of the fields required by the Exchange is included below as part of this Advisory. All electronic audit trail data provided to the Exchange must include the FIX Order Interface (“FOI”) tags or the equivalent Futures Express Interface (“FEI”) field names in the column headings.

The electronic audit trail must be maintained for a minimum of five (5) years pursuant to CFTC Regulation 1.31 and 1.35.

Questions regarding this Advisory may be directed to the Market Regulation Department at MIAXFuturesMarketReg@miaxglobal.com.

The information contained in this document is for general purposes only and is not tailored to any specific situations of a recipient of this document. The information contained herein is subject to and is superseded by official MIAX Futures Rules, which can be found at www.miaxglobal.com.

MIAX FIX Order Interface (“FOI”) and MIAX Futures Express Interface (“FEI”) Field Descriptions

Please see the two tables below with the FOI and FEI fields that are to be included in the audit trail format. For full descriptions of each field, refer the FOI and FEI technical specifications available on the [MIAX Futures Website](#).

Table 1: FOI Tags and Descriptions

FOI Tag #	FOI Field Name	FOI Message Name	Origin	Description/Format
1	Account	<ul style="list-style-type: none"> New Order – Single Execution Report Trade Cancel/Correct 	From Firm	<p>Customer ID defined by the firms.</p> <p>Note: For XMGE products, account up to 16 characters will be passed through for clearing.</p> <p>For XMFE products, account up to 10 characters will be passed through for clearing.</p>
11	CIOrdID	<ul style="list-style-type: none"> New Order – Single Order Cancel Request Order Cancel/Replace Request Execution Report Trade Cancel/Correct Order Cancel Reject Order Mass Cancel Report 	From Firm	Day unique identifier of the order as assigned by the Firm. 20 characters or less. Characters in ASCII range 33-126 are allowed, except for pipe. MIAX Futures Onyx will validate that CIOrdID is unique across all open orders for the Session within a Matching Engine. However, firms are responsible to ensure this uniqueness across all orders sent during the trading day.
17	ExecID	<ul style="list-style-type: none"> Execution Report Trade Cancel/Correct 	From Onyx	Unique identifier for each Execution Report message. Uniqueness is guaranteed within a single trading day.
31	LastPx	<ul style="list-style-type: none"> Execution Report Trade Cancel/Correct 	From Onyx	Price traded on this fill (zero for non-fills). For ExecRestatementReason = 5: Match price if the order had not been

				prevented from execution by Self Trade Protection
32	LastShares	<ul style="list-style-type: none"> • Execution Report • Trade Cancel/Correct 	From Onyx	Quantity of contracts traded on this fill (zero for nonfills). For ExecRestatementReason = 5: Number of contracts that would have matched if the order had not been prevented from execution by Self Trade Protection
37	OrderID	<ul style="list-style-type: none"> • Order Cancel Request • Order Cancel Reject • Execution Report • Trade Cancel/Correct 	From Onyx	Unique OrderID, as assigned by MIAX Futures Onyx when order is accepted. Order ID is unique across the exchange across trading days. Set to zero if the order is rejected.
38	OrderQty	<ul style="list-style-type: none"> • New Order – Single • Order Cancel Request • Order Cancel/Replace Request • Execution Report 	From Firm	Number of contracts specified on the order. Has to be a whole number equal to or greater than 1.
39	OrdStatus	<ul style="list-style-type: none"> • Order Cancel Reject • Execution Report 	From Onyx	Identifies the current status of an order. Valid values: 0 = New 1 = Partially Filled 2 = Filled 4 = Canceled 5 = Replaced 8 = Rejected
40	OrdType	<ul style="list-style-type: none"> • New Order – Single • Order Cancel/Replace Request • Execution Report 	From Firm	Valid values: 1 = Market 2 = Limit 3 = Stop Market 4 = Stop Limit K = Market-Limit Order k = Market Order with Protection s = Stop-Market Order with Protection
41	OrigClOrdID	<ul style="list-style-type: none"> • Execution Report 	From Firm	ClOrdID of the targeted order to cancel. OrderID must be set if

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		<ul style="list-style-type: none"> Order Cancel Request Order Cancel Reject Order Cancel/Replace Request 		<p>OrigClOrdID is not. When OrderID is supplied, this tag must not be sent. If both OrderID and OrigClOrdID are present the request will be rejected.</p>
44	Price	<ul style="list-style-type: none"> New Order – Single Order Cancel/Replace Request Execution Report 	From Firm	<p>Limit Price for Limit and Stop-Limit orders. This field is ignored for order types 1 (Market Order), 3 (Stop Market Order), K (Market-Limit Order), k (Market Order with Protection), and s (Stop-Market Order with Protection).</p>
50	SenderSubID (Operator ID)	<ul style="list-style-type: none"> Standard Header 	From Firm	<p>When required, this must contain a 2 to 18 character Operator ID.</p>
52	SendingTime	<ul style="list-style-type: none"> Standard Header 	From Onyx	<p>Format: YYYYMMDD–HH:MM:SS.mmm</p>
54	Side	<ul style="list-style-type: none"> New Order – Single Order Cancel Request Execution Report Trade Cancel/Correct 	From Firm	<p>Side of order. Valid values: 1 = Buy 2 = Sell</p>
55	Symbol (InstrumentID)	<ul style="list-style-type: none"> New Order – Single Order Cancel Request Order Cancel/Replace Request Execution Report Trade Cancel/Correct 	From Firm	<p>Onyx Instrument ID</p>
58	Text	<ul style="list-style-type: none"> New Order – Single Order Cancel Reject Execution Report Trade Cancel/Correct 	From Onyx	<p>Reject Reports (ExecType = 8) contain text describing error specified in Appendix B found in the MIAX Futures FOI Specs Document. Format:</p>

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		<ul style="list-style-type: none"> Order Mass Cancel Report 		<p>'Error Code': Description E.g. 1: Unknown Symbol</p> <p>Unsolicited Canceled (ExecType = 4) will contain a free form human readable reason for the cancel. (See Error Code 0 in Appendix B)</p> <p>Fill or partial fill reports (ExecType=1 or 2) contain text as specified in the New Order Request</p>
59	TimeInForce	<ul style="list-style-type: none"> New Order – Single Order Cancel/Replace Request Execution Report 	From Firm	<p>Specifies how long the order remains in effect. Valid values: 0 = Day 1 = GTC (Good 'til Cancel) 3 = IOC (Immediate or Cancel) 4 = FOK (Fill or Kill) 6 = GTD (Good 'til Date) - requires 432/ExpireDate</p>
60	TransactTime	<ul style="list-style-type: none"> New Order – Single Order Cancel Request Order Cancel/Replace Request Execution Report Trade Cancel/Correct 	From Onyx	<p>Time request was initiated/released expressed in UTC (Universal Time Coordinated), also known as GMT. Format: YYYYMMDD–HH:MM:SS.mmm</p>
99	StopPx	<ul style="list-style-type: none"> New Order - Single Order Cancel/Replace Request Execution Report 	From Firm	<p>Trigger Price. Required for OrdType = 3, 4, or s, ignored otherwise</p>
110	MinQty	<ul style="list-style-type: none"> New Order - Single Execution Report 	From Firm	<p>Minimum fill quantity. Must be > 1 to be a MinQty order.</p>
115	OnBehalfOfCompID	<ul style="list-style-type: none"> Standard Header 	From Firm	<p>Required for all application messages</p>

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				<p>from Firm to MIAX Futures Onyx.</p> <p>The MPID of the Firm who owns the order sent in the message.</p>
142	SenderLocationID (Operator Location)	<ul style="list-style-type: none"> Standard Header 	From Firm	<p>When required, this must contain a 2 to 6 character Operator Location.</p> <p>The first two bytes, per ISO 3166-1, identify the country (e.g., US = United States).</p> <p>The next four bytes indicate a comma-delimited state, province, or subdivision code, (e.g. "US,NJ").</p>
150	ExecType	<ul style="list-style-type: none"> Execution Report 	From Onyx	<p>Identifies the type of execution report.</p> <p>Valid values:</p> <ul style="list-style-type: none"> 0 = New 1 = Partially filled 2 = Filled 4 = Canceled 5 = Replaced 8 = Rejected D = Restated – see also 378/ ExecRestatementReason
151	LeavesQty	<ul style="list-style-type: none"> Execution Report 	From Onyx	<p>Number of open contracts remaining for further execution. If the OrdStatus is Canceled or Rejected (no longer active) then LeavesQty = 0, otherwise LeavesQty = OrderQty - CumQty.</p>
204	CustomerorFirm	<ul style="list-style-type: none"> New Order-Single Order Cancel/Replace Request Execution Report 	From Firm	<p>Valid values:</p> <ul style="list-style-type: none"> 0 = Customer 1 = Firm
378	ExecRestatementReason	<ul style="list-style-type: none"> Execution Report 	From Onyx	<p>Valid values: 5 = Reduction of OrderQty due to Self Trade</p>

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				Protection 7 = Stop Order triggered
1028	ManualOrderIndicator	<ul style="list-style-type: none"> • New Order - Single • Order Cancel/Replace Request • Execution Report 	From Firm	Valid values: Y = Manual N = Automated
1031	CustOrderHandlingInst	<ul style="list-style-type: none"> • New Order – Single • Order Cancel/Replace Request • Execution Report 	From Firm	Valid values: W = Desk Y = Electronic C = Vendor-provided Platform billed by Executing Broker G = Sponsored Access via Exchange API or FIX provided by Executing Broker H = Premium Algorithmic Trading Provider billed by Executing Broker D = Other, including Other-provided Screen
7928	SelfTradeProtection	<ul style="list-style-type: none"> • New Order - Single • Execution Report 	From Firm	<p>2, 3 or 4 characters (not space separated) 1st character – Self Trade Protection Level F = Firm M = MPID P = Parent Group</p> <p>2nd character – Self Trade Protection Instruction N = Cancel Newest O = Cancel Oldest B = Cancel Both D = Decrement and Cancel</p> <p>3rd and 4th characters – Customer specified protection group (optional): Trading Participant specified alphanumeric value consisting of 0-9, A-Z, or a-z. Note that space is not supported and will be rejected if</p>

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				present in the 3rd or 4th position.
9702	CtiCode	<ul style="list-style-type: none"> • New Order - Single • Execution Report • Trade Cancel/Correct 	From Firm	<p>For electronic trading CTI codes are defined as:</p> <p>1 = CTI 1: Transactions initiated and executed by an individual Market Participant for his/her own account, for an account he/she controls, or for an account in which he/she has ownership or financial interest.</p> <p>2 = CTI 2: Transactions executed for the proprietary account of a Clearing Member.</p> <p>3 = CTI 3: Transactions where a Market Participant executes for the personal account of another Market Participant, for an account the other Market Participant controls or for an account in which the other Market Participant has ownership or financial interest.</p> <p>4 = CTI 4: Any transaction not meeting the definition of CTI 1, 2 or 3.</p>

Table 2: FEI Tags and Descriptions

FEI Field Name	FEI Message Name	Origin	Description/Format
Account	<ul style="list-style-type: none"> • New Order Notification 	From Firm	Customer ID defined by the firm.

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			<p>Note: For XMGE products, account up to 16 characters will be passed through for clearing.</p> <p>For XMFE products, account up to 10 characters will be passed through for clearing.</p>
Client Order ID	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • Cancel Order Request • Mass Cancel Request • New Order Response • Modify Order Response • Cancel Order Response • Mass Cancel Response • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification • Simple Execution Notification • Complex Execution Notification 	From Firm	Firm specified unique order ID.
Execution ID	<ul style="list-style-type: none"> • Simple Execution Notification 	From Onyx	Exchange assigned unique Execution ID.
Complex Trade ID	<ul style="list-style-type: none"> • Simple Execution Notification • Complex Execution Notification 	From Onyx	Exchange assigned unique Complex Trade ID.

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Last Price	<ul style="list-style-type: none"> Cancel/Reduce Size Order Notification Simple Execution Notification 	From Onyx	Either the price traded on this fill (zero for non-fills) or the match price if the order had not been prevented from execution by Self Trade Protection.
Last Net Price	<ul style="list-style-type: none"> Complex Execution Notification 	From Onyx	Net Price of this complex execution.
Last Size	<ul style="list-style-type: none"> Cancel/Reduce Size Order Notification Simple Execution Notification Complex Execution Notification 	From Onyx	Either the quantity of contracts traded on this fill (zero for nonfills) or the number of contracts that would have matched if the order had not been prevented from execution by Self Trade Protection.
Order ID	<ul style="list-style-type: none"> New Order Notification New Order Response Modify Order Notification Modify Order Response Cancel Order Request Cancel Order Response Cancel/Reduce Size Order Notification Order Status Update Notification 	From Onyx	Exchange assigned unique order ID.
Size	<ul style="list-style-type: none"> New Order Request Modify Order Request New Order Notification Modify Order Notification 	From Firm	Number of contracts specified on the order. Has to be a whole number equal to or greater than 1.
Message Type	<ul style="list-style-type: none"> New Order Request Modify Order Request 	From Onyx	Order Status: SN – System State Notification O1 – New Order Notification

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	<ul style="list-style-type: none"> • Cancel Order Request • Mass Cancel Request • New Order Response • Modify Order Response • Cancel Order Response • Mass Cancel Response • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification • Simple Execution Notification • Complex Execution Notification 		<p>MN – Modify Order Notification OS – Order Status Update Notification EN – Simple Execution Notification CN – Complex Execution Notification</p>
Order Type	<ul style="list-style-type: none"> • New Order Request • Cancel Order Request • Order Status Update Notification • New Order Notification 	From Firm	<p>Order Type: '1' – Limit Order '2' – Stop Limit Order '3' – Market Order '4' – Stop Market Order '5' – Market Order with Protection '6' – Market-Limit Order '7' – Stop-Market Order with Protection</p>
Original Client Order ID	<ul style="list-style-type: none"> • Modify Order Request • Modify Order Response • Cancel Order Request • Cancel Order Response • Modify Order Notification 	From Firm	Target Client Order ID that is being modified.
Price	<ul style="list-style-type: none"> • New Order Notification • Modify Order Notification 	<p>From Firm for Order Types 1-4 From Onyx for Order Types 5-7</p>	Exchange assigned limit price for order types 5 (Market Order with Protection), 6 (Market Limit Order), and 7 (Stop-

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			Market Order with Protection). For all other order types, the field is set to the same value as specified in the New Order Request.
Operator ID	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • Cancel Order Request • Mass Cancel Request • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification • Simple Execution Notification 	From Firm	
Client Send Time	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • Cancel Order Request • Mass Cancel Request • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification 	From Firm	Audit Trail Format: YYYYMMDD– HH:MM:SS.mmm
Order Instructions	<ul style="list-style-type: none"> • New Order Request • New Order Notification • Simple Execution Notification 	From Firm	Bit 0 – Order Side 0 – Buy 1 – Sell Note: Bit 0 is LSB.

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	<ul style="list-style-type: none"> • Complex Execution Notification 		
Instrument ID	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • Cancel Order Request • New Order Response • Modify Order Response • Cancel Order Response • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification • Order Status Update Notification • Simple Execution Notification • Complex Execution Notification 	From Firm	Onyx Instrument ID
Text Memo	<ul style="list-style-type: none"> • New Order Request • New Order Notification • Simple Execution Notification 	From Firm	
Time in Force (TIF)	<ul style="list-style-type: none"> • New Order Request • New Order Notification • Order Status Update Notification 	From Firm	Time in Force: 'I' – IOC (Immediate or Cancel) 'D' – Day 'F' – FOK (Fill or Kill) 'C' – GTC (Good 'til Cancel) 'X' – GTD (Good 'til Date)
Matching Engine Time	<ul style="list-style-type: none"> • New Order Response • Modify Order Response 	From Onyx	Audit Trail Format: YYYYMMDD– HH:MM:SS.mmm

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	<ul style="list-style-type: none"> • Cancel Order Response • Mass Cancel Response • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification • Order Status Update Notification • Simple Execution Notification • Complex Execution Notification 		
Stop Order Trigger Price	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • New Order Notification • Modify Order Notification 	From Firm	Stop Order Trigger Price.
MinQty	<ul style="list-style-type: none"> • New Order Request • New Order Notification 	From Firm	Minimum fill quantity. Must be > 1 to be a MinQty order.
MPID	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • Cancel Order Request • Mass Cancel Request • New Order Response • Modify Order Response • Cancel Order Response • Mass Cancel Response • New Order Notification 	From Firm	Five Character Alphanumeric

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	<ul style="list-style-type: none"> • Modify Order Notification • Cancel/Reduce Size Order Notification • Simple Execution Notification • Complex Execution Notification 		
Operator Location	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • Cancel Order Request • Mass Cancel Request • New Order Notification • Modify Order Notification • Cancel/Reduce Size Order Notification • Simple Execution Notification 	From Firm	The location associated with Operator ID. This field must contain at least 2 characters but the recommended format is as follows: The first two bytes as per ISO 3166-1, identify the country (e.g., US = United States). The next three bytes indicate a comma-delimited state or province code (e.g., IL = Illinois, NJ = New Jersey). Examples: "US,IL" "US,NJ"
Trade Status	<ul style="list-style-type: none"> • Simple Execution Notification 	From Onyx	Possible values: "E" – New Execution "C" – Price/Size Correction "X" – Trade Cancellation (bust)
Leaves Qty	<ul style="list-style-type: none"> • Modify Order Response • Modify Order Notification • Cancel/Reduce Size Order Notification 	From Onyx	Size of an order that is still open.
Additional Order Indicators	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • New Order Notification • Modify Order Notification 	From Firm	Bit 0 – Customer of Firm Designation 0 – Customer 1 – Firm Bit 1 – Manual Order Indicator 0 – Automated

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			<p>1 – Manual</p> <p>Bit 2 – Open Close position Indicator 0 – Open 1 – Close</p> <p>Bit 3 – Side Clearing Trade Price Type 0 – Trade Clears at Execution Price 1 – Trade Clears at Alternate Price</p> <p>Note: Bit 0 is LSB.</p>
Status	<ul style="list-style-type: none"> • Order Status Update Notification • New Order Response • Modify Order Response • Cancel Order Response • Mass Cancel Response 	From Onyx	Order status update 'S' – Stop order triggered
Customer Order Handling Instruction	<ul style="list-style-type: none"> • New Order Request • Modify Order Request • New Order Notification • Modify Order Notification 	From Firm	<p>'W' – Desk</p> <p>'Y' – Electronic</p> <p>'C' – Vendor-Provided Platform Billed by Executing Broker</p> <p>'G' – Sponsored Access via Exchange API or FIX provided by Executing Broker</p> <p>'H' – Premium Algorithmic Trading Provider Billed by Executing Broker</p> <p>'D' - Other</p>
Self Trade Protection	<ul style="list-style-type: none"> • New Order Request • New Order Notification • Modify Order Notification 	From Firm	<p>Bit 0-2 – Self Trade Protection Level 0 – Self Trade Protection Disabled 1 – Firm 2 – MPID 3 – Parent Group</p> <p>Bit 3-5 – Self Trade Protection Instruction 0 – Not Applicable</p>

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			<p>1 - Cancel Newest 2 - Cancel Oldest 3 - Cancel Both 4 - Decrement and Cancel</p>
CTI Code	<ul style="list-style-type: none"> • New Order Request • New Order Notification • Simple Execution Notification 	From Firm	<p>For electronic trading CTI codes are defined as:</p> <p>1 = CTI 1: Transactions initiated and executed by an individual Market Participant for his/her own account, for an account he/she controls, or for an account in which he/she has ownership or financial interest.</p> <p>2 = CTI 2: Transactions executed for the proprietary account of a Clearing Member.</p> <p>3 = CTI 3: Transactions where a Market Participant executes for the personal account of another Market Participant, for an account the other Market Participant controls or for an account in which the other Market Participant has ownership or financial interest.</p> <p>4 = CTI 4: Any transaction not meeting the definition of CTI 1, 2 or 3.</p>

Revision History

Revision History				
	Date	Name	Version	Description
1.	May 12, 2025	MIAX Futures	1.0	Initial version
2.	June 24, 2025	MIAX Futures	1.1	Updated name of Tag 38 to “Order Quantity” from “Trade Status”; added “Order Status” as Tag 39; Updated name of Tag 150 to “Execution Type” from “Trade Status”; added Customer Order Handling Instruction (Tag 1031).
3.	August 22, 2025	MIAX Futures	1.2	Updated name of Tag 54 to “Side” from “Order Instructions” and Tag 204 to “Customer or Firm” from “Customer Order Handling Instructions”. Capitalized “Code” in Tag 9702 name.
4.	April 14, 2026	MIAX Futures	2.0	Updated Rules and guidance for implementation of financial futures. Grammatical updates throughout. Added “Origin” column and “Description/Format” column.

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