

# Small Exchange FIX Order Management API Specification

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# 1 Revision History

Version	Date	Author	Description
0.1	Nov-10-2017	Sergey Samushin	Initial draft
0.2	Dec-20-2017	Sergey Samushin	<ul style="list-style-type: none"> <li>- Added multi-leg cancel/replace message specification</li> <li>- Added "Leg Instrument" component specification, multi-leg messages changed accordingly</li> <li>- Added LegSide and LegRatioQty for multi-leg order requests</li> <li>- Multi-leg order fills reported for legs individually, added note to Trade Execution report message</li> </ul>
0.3	Mar-29-2018	Sergey Samushin	<ul style="list-style-type: none"> <li>- Added IOC and FOK time-in-force qualifiers support</li> <li>- Added MinQuantity and PositionEffect order fields</li> <li>- Changed instrument identity fields. Instrument is identified by Symbol&lt;55&gt; or LegSymbol&lt;600&gt; tags</li> </ul>
0.4	May-7-2018	Sergey Samushin	<ul style="list-style-type: none"> <li>- Added SenderSubID and TargetSubID standard header tags. Changed description for SenderCompID and TargetCompID tags.</li> <li>- Added OrigSendingTime standard header tag</li> <li>- Cancel and Order status messages require providing OrderID&lt;37&gt; Exchange order ID.</li> </ul>
0.5	June-1-2018	Sergey Samushin	<ul style="list-style-type: none"> <li>- Added BusinessMessageReject message</li> <li>- Added Text tag with max length of 120 to OrderCancelReject message</li> </ul>
0.6	Aug-24-2018	Sergey Samushin	Described contract of Side and Price fields for multi leg orders
0.7	Oct-15-2018	Sergey Samushin	<ul style="list-style-type: none"> <li>- Cancel request requires Instrument Component to be specified. OrderId&lt;37&gt; is optional.</li> <li>- Ability to send multi-leg orders with Sell side.</li> </ul>
0.8	Dec-17-2018	Sergey Samushin	Added Exec report "L" for triggered stops
0.9	Jan-24-2019	Yury Kudryashov	<ul style="list-style-type: none"> <li>- Exec reports for expired and done-for-day orders</li> <li>- Details on order identifiers</li> <li>- Reset schedules</li> <li>- Description of firm identifiers</li> <li>- Details on trade bust/correct execution reports</li> </ul>
0.10	Jan-25-2019	Yury Kudryashov	<ul style="list-style-type: none"> <li>- CTI codes (tag 9702) in incoming orders and execution reports</li> <li>- Customer or Firm (tag 204) in incoming orders and execution reports</li> </ul>

			- Self-match prevention described (tags 7928, 8000)
0.11	Mar-4-2019	Yury Kudryashov	- Wording and samples fixes - Length of firm identifiers and self-match tokens clarified
0.12	Mar-21-2019	Yury Kudryashov	- MinQty (110) tag in execution reports - SelfMatchPreventionToken (7928) replaced with SelfMatchPreventionID (2362) - Standard tags 528 and 582 are used to collect CTI codes and customer/firm order origin - ManualOrderIndicator (1028) tag - Parties component
0.13	Aug-05-2019	Yury Kudryashov	- LegRefID (654) in trade execution reports for spread fills - PartyRole (44), ExecID (17), OrderID (37), SolicitedFlag (377) values clarification - Subscriber token
0.14	Nov-18-2019	Yury Kudryashov	- Subscriber token length clarified (15 characters) - Logon and sequence reset protocol revisited and detailed ( <a href="#">Logon Scenarios and Sequence Reset</a> ) - Order types / TIF compatibility matrix ( <a href="#">Supported Order Types and TIF</a> ) - Example of a multi-leg order fill - Position effect / leg position effect clarification - Stop order behavior clarification - Multiple wording and typo fixes - Confidentiality / disclaimer
0.15	Nov-29-2019	Irina Timkina	TrdMatchID(880), AggressorIndicator(1057) in trade execution reports
0.16	Jan-01-2020	Yury Kudryashov	Logon and sequence reset protocol revised and detailed again
0.17	Feb-14-2020	Vladimir Danilov	Account field length changed to 10 characters
1.0	Mar-03-2020	Yury Kudryashov	Tag 369 (LastMsgSeqNumProcessed) described
1.1	May-13-2020	Vladimir Danilov	SelfMatchPreventionId(2362) field length changed to 15 characters
1.2	June-18-2020	Natalie Oblazny Yury Kudryashov	- Clarifies purpose and scope of tag 528 and tag 582 - MinQty (110) value for IOC orders should be > 0 - Maximum supported sequence clarified - Clarification on multi-leg orders prices and sides
2.0	Sep-22-2020	Sergey Samushin	Options trading support
2.1	Oct-05-2020	Sergey Samushin	Updated FIX connection optional configuration features: cancel on disconnect, default self-match prevention, timestamps microseconds format

## 2 Confidentiality/Disclaimer

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## 3 Overview

This document describes the Small Exchange's order management FIX API for firms connecting directly to the Small Exchange. The API allows connected firms to send, modify and cancel their orders.

The API uses FIX protocol version 4.4. This document describes the messages supported by the Small Exchange. The document is not intended to serve as a full-fledged specification of the FIX protocol. It is assumed the reader is acquainted with the protocol, please refer to the official FIX specifications at <https://www.fixtrading.org/> website for additional details.

### 3.1 The Small Exchange Hours of Operation

The Small Exchange's current trading schedule can be found at <http://smallexchange.com/>. Orders entered outside trading hours will be rejected. Firms are encouraged to stay connected 15 minutes after the official close time to receive reports that are generated after trading session closing logic is run (e.g. Done for Day or Expired reports).

### 3.2 Weekly Sequence Reset

The Exchange will reset its FIX sequences on a weekly basis during the weekend. See details in [Logon Scenarios and Sequence Reset](#).

### 3.3 Certification

To be able to submit orders to the Small Exchange, direct market access firms must be certified. The Small Exchange provides a separate environment for integration, acceptance testing and certification. Please contact the Small Exchange Infrastructure team at [it-ops@smallexchange.com](mailto:it-ops@smallexchange.com) to obtain additional information.

### 3.4 Firm Identifiers

All messages sent from the Exchange and to the Exchange *must* contain both the SenderCompID (49) and TargetCompID (56) fields. The firm and the Small Exchange agree on these values at the time of onboarding.

Field	Firm to Exchange	Exchange to Firm
SenderCompID	ID of the connection. A firm may have multiple connections, each connection will have its own <b>CompID</b>	Always "SMALLEX"
TargetCompID	Always "SMALLEX"	ID of the connection. A firm may have multiple connections, each connection will have its own <b>CompID</b>

Maximum length of a connection identifier is 32 characters.

All application messages sent to or from the Small Exchange *must* also contain both the SenderSubID (50) and TargetSubID (57) fields.

Field	Firm to Exchange	Exchange to Firm
SenderSubID	Unique trading firm code as assigned by the Exchange during initial setup.	Identifies the environment on the Exchange side. This can be either "PROD" or "TEST". The firm can use this value to guard itself from accidentally issuing UAT or test orders on the live market.
TargetSubID	Identifies the target environment on the Exchange side. This can be either "PROD" or "TEST". The firm can use this value to guard itself from accidentally issuing UAT or test orders on the live market. The Exchange will reject any messages sent to unexpected environment (e.g. production environment will reject any TEST messages).	Contains the unique trading firm code as assigned by the Exchange during initial setup.

Maximum length of a firm identifier is 8 characters.

### 3.5 Order Identifiers

All orders submitted to the Small Exchange must have unique CIOrdID (tag 11).

The Exchange enforces the uniqueness of the identifier among all working orders of a trading firm across all its FIX connections. It is expected that trading firm keeps CIOrdID tag unique across all its FIX connections to avoid referencing same orders sent from different FIX connections, and issues with reporting, clearing, and support.

CIOrdID can be at most 20 characters long.



## 3.6 Operator Identification

All orders submitted to the Small Exchange must contain identification of the operator who placed the order. This is conveyed via the Parties FIX component with PartyRole = 44 (see [PartyRole \(tag 452\)](#)). See more details in [Parties Component](#) description.

## 3.7 Exchange Subscriber Identification

Orders submitted to the Small Exchange by the subscriber can contain a token issued by the Exchange to the subscriber. The token is captured by the Exchange and is echoed back in execution reports. This is conveyed via the Parties FIX component with PartyRole = 2101 (see [PartyRole \(tag 452\)](#)). See more details in [Parties Component](#) description.

Maximum length of the subscriber token is 15 characters.

## 3.8 Trade Busts and Corrects

The Small Exchange FIX Order Management API does **not** distribute unsolicited reports about trade busts and corrects. The firms are expected to utilize the FIX Drop Copy connections to receive these messages.

## 3.9 Done for Day and Expiration Reports

After the trading session is closed FIX connection distributes two types of events designating status of trading firm working orders:

- [Execution Report: Expired \(MsgType = 8, ExecType = C\)](#) is sent for all DAY orders expired due to trading session closing. The report is also sent for GTC orders on their instrument last trading day session closing.
- [Execution Report: Done for Day \(MsgType = 8, ExecType = 3\)](#) is sent for all GTC orders working and restated for the next trading day. Trading firms don't need to send any instructions for GTC orders restatement, this is conducted by the Exchange automatically.

## 3.10 Self-Match Prevention

Self-match prevention functionality allows market participants to prevent Buy and Sell orders for the same account, firm or group of accounts to match with each other. The functionality is optional and is controlled with a pair of FIX tags in incoming orders:

- **SelfMatchPreventionID** (2362) – orders with the same Self Match Prevention ID for the same executing firm will not match. Maximum length of the ID is 15 characters.
- **SelfMatchPreventionStrategy** (8000) – this value defines the strategy of dealing with matching orders if self-match prevention is triggered. The Exchange will either cancel the aggressor order (unsolicited), the resting order or both. The Exchange uses the strategy from the *aggressor* order to deal with self-matched orders.

The API will send the actual values of SelfMatchPreventionID and SelfMatchPreventionStrategy in all execution reports.

FIX connection of a trading firm can be configured with a default pair of self-match ID and strategy to be used for all orders received via the connection. Contact [it-ops@smallexchange.com](mailto:it-ops@smallexchange.com) to request the configuration.

### 3.11 Supported Order Types and TIF

During regular trading sessions the following order types / TIF combinations are supported:

	<b>DAY</b>	<b>GTC</b>	<b>IOC</b>	<b>FOK</b>
<b>Limit</b>	Supported	Supported	Supported	Supported
<b>Market</b>	Supported	Not Supported	Not Supported	Not Supported
<b>Stop</b>	Supported	Supported	Not Supported	Not Supported
<b>Stop-Limit</b>	Supported	Supported	Not Supported	Not Supported

During the auction (pre-open / pre-open no cancel) sessions the following order types / TIF combinations are supported:

	<b>DAY</b>	<b>GTC</b>	<b>IOC</b>	<b>FOK</b>
<b>Limit</b>	Supported	Supported	Not Supported	Not Supported
<b>Market</b>	Not Supported	Not Supported	Not Supported	Not Supported
<b>Stop</b>	Supported	Supported	Not Supported	Not Supported
<b>Stop-Limit</b>	Supported	Supported	Not Supported	Not Supported

Unsupported order type / TIF combinations are rejected.

### 3.12 Timestamps Precision

FIX connection can be configured for a trading firm to support microseconds precision and **YYYYMMDD-HH:MM:SS.ssssss** format for UTCTimestamp type tags (for instance, SendingTime<52>, TransactTime<60>, OrigSendingTime<122>) in inbound and outbound messages. By default FIX connection is configured with standard milliseconds precision for UTCTimestamp tags. Contact [it-ops@smallexchange.com](mailto:it-ops@smallexchange.com) to request the configuration.

### 3.13 Cancel on Disconnect

Automatic orders cancellation for working orders sent within a FIX connection can be optionally configured for a FIX connection to cancel only DAY or ALL (DAY and GTC) orders on FIX client disconnect. Note, that the operation of orders cancelling is not performed on FIX API disconnect when instrument market is closed, paused or halted.

## 4 Session Protocol

Session protocol assures client identification, sequential request processing, session state control and ability to restore the session after downtime. In the scope of a session, all FIX messages are identified by unique integer sequence numbers and are processed in that order. When an incoming sequence number does not match the expected one, the session must be recovered. If incoming sequence number is less than expected and PossDupFlag is not set to Y, then it is considered a fatal error, and the connection is dropped by the server. If the sequence number of incoming message is greater than the next expected number, then the Resend Request is issued for missed messages.

Client and server use the following administrative messages:

- **Logon** – initiates (client) or approves (server) session opening.
- **Logout** – initiates or approves session closing.
- **Resend Request** – requests missed fix messages.
- **Sequence Reset – Gap Fill**, must be used instead of resend of administrative messages.
- **Test Request** – used to control the session state. Requires a reply **Heartbeat** message with properly filled TestReqID (112) field.
- **Heartbeat** – used to control session connection state.
- **Reject** – for administrative message reject.

Maximum sequence number supported by the Exchange is 9223372036854775807 ( $2^{63} - 1$ ).

### 4.1 Logon Scenarios and Sequence Reset

The Exchange will reset both incoming and outgoing message sequence numbers to 1 during the weekend. Note that the use of the ResetSeqNum (141) tag can result in message loss and should generally be avoided. The Exchange does not require the use of this flag under normal operating conditions.

For the **first logon** on any week the Logon message can have its MsgSeqNum (34) set to 1 or the sequence can continue. The Exchange will reset the sequences if incoming MsqSeqNum (34) is greater than 1. If there are any undelivered messages for this connection, the Exchange will resend them after a successful logon.

For a **mid-week logon** (second and subsequent logon attempts on any week) the Logon message sequence should continue from the next sequence number where the client logged out or disconnected. If there are any undelivered messages for this connection, the Exchange will resend them after a successful logon.

If an incoming Logon message (first or midweek) has ResetSeqNum (141) flag set to 'Y', the Exchange will discard all undelivered messages it might have queued for this connection and reply with MsqSeqNum (34) = 1.

## 5 Message Format

All FIX messages, either administrative or business, require standard header and trailer components. Note that SenderCompID and TargetCompID values pair is constant for a single FIX connection between a client and the Small Exchange system (see [Firm Identifiers](#)).

### 5.1 Standard Header Component

Tag	Field Name	Type	Req	Comments
8	BeginString	String	Y	"FIX.4.4"
9	BodyLength	Length	Y	Message length excluding the CheckSum field
35	MsgType	String	Y	Message type
49	SenderCompID	String	Y	Connection identifier assigned by the Small Exchange.  "SMALLEX" for messages sent from the Exchange system.  See <a href="#">Firm Identifiers</a> .
50	SenderSubID	String	Y	For messages sent to the Exchange contains the trading firm code.  For messages from the Exchange it is an identifier of the message originating system ("PROD" or "TEST").  See <a href="#">Firm Identifiers</a> .
56	TargetCompID	String	Y	"SMALLEX" for messages sent to the Exchange.  Connection identifier assigned by the Small Exchange for messages sent from the Exchange system.  See <a href="#">Firm Identifiers</a> .
57	TargetSubID	String	Y	For messages sent to the Exchange identifies destination system – "PROD" or "TEST".  For messages sent from the Exchange contains the trading firm code.  See <a href="#">Firm Identifiers</a> .
34	MsgSeqNum	SeqNum	Y	Integer message sequence number
43	PossDupFlag	Boolean	C	The Exchange ignores this field on all incoming messages and relies on ClOrdID uniqueness instead.
52	SendingTime	UTC Timestamp	Y	Time of message transmission (always expressed in UTC)
122	OrigSendingTime	UTC Timestamp	C	Original time of message transmission, required for messages resent as a result of a ResendRequest
369	LastMsgSeqNum Processed	SeqNum	N	Last incoming sequence received and processed by the Exchange (validated and persisted, but not necessarily sent to the downstream matching engine).

				The Exchange sends this field in all outgoing messages and ignores this value in incoming messages.
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## 5.2 Standard Trailer Component

Tag	Field Name		Req	Comments
10	Checksum	String	Y	Three byte, simple checksum. Always defined as three characters

## 6 Administrative Messages

### 6.1 Logon (MsgType = A)

Initiates connection from client side and approves connection if sent by the Exchange. ResetSeqNumFlag allows clients to start a new session (reset session sequence numbers). See [Logon Scenarios and Sequence Reset](#).

The Heartbeat Interval is declared by the session initiator using the HeartBtInt field in the Logon message. The heartbeat interval timer should be reset after every message is transmitted (not just heartbeats). The HeartBtInt value should be agreed upon and specified by the Logon initiator (client) and echoed back by the Logon acceptor. The same HeartBtInt value is used by both sides, the Logon “initiator” and Logon “acceptor”.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = “A”
98	EncryptMethod	Int	Y	“0” - None. Security must be guaranteed on transport level
108	HeartBtInt	Int	Y	Heartbeat interval in seconds
141	ResetSeqNumFlag	Boolean	N	“N” = use previous sequences “Y” = reset sequences (start a new session).  The use of the ResetSeqNum (141) tag can result in message loss and should generally be avoided. The Exchange does not require the use of this flag under normal operating conditions. See <a href="#">Logon Scenarios and Sequence Reset</a> .  If clients cannot recover the previous session they start new session with 1 and set this field to “Y”.
<Standard Trailer>			Y	

#### Example: logon with MsgSeqNum too low:

MsgType = A (from client to the Exchange)

SenderCompID = TESTCLI1

TargetCompID = SMALLEX

SenderSubID = CLI1

TargetSubID = TEST

MsgSeqNum = 1

SendingTime = 20191120-15:01:53

MsgType = A (from the Exchange to client)

SenderCompID = SMALLEX

TargetCompID = TESTCLI1

SenderSubID = TEST

TargetSubID = CLI1

MsgSeqNum = 3

SendingTime = 20191120-15:01:53

Text = MsgSeqNum too low, expecting 3 but received 1

## 6.2 Logout (MsgType = 5)

The message initiates or confirms termination of a FIX session.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "5"
58	Text	String	N	Logout reason
<Standard Trailer>			Y	

## 6.3 Resend Request (MsgType = 2)

The message is used to recover an inbound session sequence if a message was missed.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "2"
7	BeginSeqNo	SeqNum	Y	Sequence number of the first message in range to be resent
16	EndSeqNo	SeqNum	Y	Sequence number of the last message in range to be resent
<Standard Trailer>			Y	

## 6.4 Sequence Reset (MsgType = 4)

The message may be used in two modes:

- **Reset Mode** forces counterparty to adjust inbound message sequence, GapFillFlag = "N" or omitted.
- **Fill Gap Mode** is used during retransmission of messages missed by a client. Administrative messages and rejected business messages are not to be retransmitted. Instead a Sequence Reset message with GapFillFlag = "Y" must be used.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "4"
123	GapFillFlag	Boolean	N	"N" = sequence reset, the counterparty must adjust inbound sequence number. "Y" = indicates the message is used instead of administrative or business messages which are not to be resent
36	NewSeqNo	SeqNum	Y	New adjusted sequence number
<Standard Trailer>			Y	

## 6.5 Test Request (MsgType = 1)

A Test message is useful for checking sequence numbers or verifying the communication line status. Connection participant received the message is required to reply with Heartbeat message referring to TestReqID of the initial message.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "1"
112	TestReqID	String	Y	Identifier to be returned in resulting Heartbeat message
<Standard Trailer>			Y	



## 6.6 Heartbeat (MsgType = 0)

Used for replying to the Test request as well as checking the status of communication.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "0"
112	TestReqID	String	C	Identifier of a Test Request. Required when the message is the result of a Test Request
<Standard Trailer>			Y	

## 6.7 Reject (MsgType = 3)

Issued by a party if an incoming FIX message is unsupported or not properly formed. Rejected messages must not be resent if a Resend Request is received; instead a SequenceReset with GapFillFlag = "Y" is expected.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "3"
45	RefSeqNum	SeqNum	Y	Sequence number of the rejected message
58	Text	String	Y	Error message
373	SessionRejectReason	Int	Y	Reject reason code. See <a href="#">Session Reject Reason Codes (tag 373)</a> .
<Standard Trailer>			Y	

# 7 Order Management Messages

## 7.1 Overview

The Small Exchange Order Management FIX line supports the following client-originated messages:

- [NewOrderSingle](#) message to submit new single-legged order
- [NewOrderMultileg](#) message to submit new order with multiple legs
- [OrderCancelRequest](#) message to cancel submitted single or multi-leg order
- [OrderCancel/ReplaceRequest](#) message to replace single order
- [MultilegOrderCancel/Replace](#) message to replace multi-leg order
- [OrderStatusRequest](#) message to receive current order status

The FIX line sends Execution Report (MsgType = 8) messages to update the connected FIX client with order events:

- [New order placed \(ExecType = 0\)](#) – sent as a reply and referring to the NewOrderSingle or NewOrderMultileg messages to affirm the order is accepted in order book and working. The report is sent for every accepted order even for orders matched immediately.
- [Order is cancelled \(ExecType = 4\)](#) – sent as a reply and referring to OrderCancelRequest message to acknowledge that the cancel is accepted and the original order is no longer working. After receiving the message the original order is assumed to be cancelled, note that no separate individual execution is sent for the cancelled order itself.
- [Order is replaced \(ExecType = 5\)](#) – sent as a reply and referring to OrderCancelRequest or MultilegOrderCancel/Replace messages to affirm the replace is accepted. After receiving the message the original order is assumed to be replaced, no separate individual execution is sent for the replaced order itself.
- [Stop order is triggered \(ExecType = L\)](#) – sent when a stop order is triggered and is placed in the order book

- [Order is rejected \(ExecType = 8\)](#) – sent in case a new or cancel/replace order message is rejected
- [Trade \(ExecType = F\)](#) – sent whenever an order is filled completely or partially
- [Order status \(ExecType = I\)](#) – sent as a reply to an Order Status Request
- [Done for Day \(ExecType = 3\)](#) – sent for all currently open orders after the trading day closes
- [Expired \(ExecType = C\)](#) – sent for the expired Day orders

For rejected cancel requests the Small Exchange API sends the [Order Cancel Reject \(MsgType = 9\)](#) message. [Business Reject \(MsgType = j\)](#) is sent for application-level rejection of any client request which cannot be reported with a well-formed 'rejected' Execution Report.

## 7.2 Parties Component

This component is used to identify auxiliary information about the financial transaction.

Tag	Field Name	Type	Req	Comments
<i>Repeating group 453</i>	NoPartyIDs	Int	Y	<i>Number of 'Party' elements in the repeating group</i>
448	PartyID	String	Y	Identification of the party. Value depends on the PartyRole (452) tag value: - Operator ID (for PartyRole = 44). Maximum length is 18 characters. - Subscriber token (for PartyRole = 2101). Maximum length is 15 characters.
447	PartyIDSource	Char	Y	Always 'D' – proprietary / custom code
452	PartyRole	Int	Y	Type or role of the party ID. See <a href="#">PartyRole (tag 452)</a> for the values.

## 7.3 Instrument Component

The component represents common instrument information in order messages:

Tag	Field Name	Type	Req	Comments
55	Symbol	String	C	Exchange futures or option symbol. Not specified for multi-leg instruments
167	SecurityType	String	Y	FUT = single futures OPT = single option MLEG = multi-leg instrument

## 7.4 Instrument Leg Component

The following tags are used to identify a leg of a complex instrument in order-related messages:

Tag	Field Name	Type	Req	Comments
600	LegSymbol	String	Y	Instrument symbol of futures or option leg
623	LegRatioQty	Qty	Y	The ratio of this leg. Leg quantity for this leg is OrderQty * LegRatioQty. Max value for option multi-leg is 3.
624	LegSide	Char	Y	Side of the leg. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
564	LegPositionEffect	Char	N	Indicates the whether the resulting position after a trade is intended to

				be opening or closing. If not specified treated as 'D' – default. The Exchange does not validate this tag. See <a href="#">Position Effect (tag 77 and tag 564)</a> .
654	LegRefID	String	N	Leg ID specified by a client. Reported by the Exchange back in execution report messages. Up to 8 characters length.

The Exchange requires LegRatioQty values to be normalized:

- OrderQty should be the greatest common factor of individual leg quantities. For example, an order to simultaneously buy 1 InstrumentA and 2 InstrumentB, OrderQty 10 should not be entered as “buy 10 InstrumentA and 20 InstrumentB, Order Qty 1”.
- LegRatioQty values should be divided by their greatest common denominator to be accepted. For example, the Exchange will accept 1:2 ratios but won't accept 2:4.

## 7.5 New Order Single (MsgType = D)

Used to send new single-legged futures or option orders for execution.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "D"
<Parties>			Y	Operator ID (conveyed via PartyRole = 44) is mandatory.
1	Account	String	Y	Identifier of the order's account. Length up to 10 characters.
11	ClOrdID	String	Y	Unique identifier of an order assigned by the client system. Length up to 20 characters. See <a href="#">Order Identifiers</a> .
<Order Instrument Identity>			Y	Single-leg futures or <b>option</b> instrument identity
38	OrderQty	Qty	Y	Order quantity
40	OrdType	Char	Y	Order type. See <a href="#">Order Types (tag 40)</a> . Market orders are not accepted during opening auction.
44	Price	Price	C	Price per unit of quantity. Required for limit and stop-limit orders
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	N	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> . Absence of this field indicates Day order.
60	TransactTime	UTC Timestamp	Y	Time this order request was initiated by the trader or trading system
77	PositionEffect	Char	N	The desired order position effect. See <a href="#">Position Effect (tag 77 and tag 564)</a> . If not specified treated as 'D' – default. The Exchange does not validate this tag.
99	StopPx	Price	C	Stop price of the order. Required for stop and stop-limit orders.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Required for Immediate Or Cancel orders. Should be greater than 0.
528	OrderCapacity	Char	Y	Capacity Origin Code. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA. Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token. See <a href="#">Self-Match Prevention</a> . If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionStrategy (8000) must be defined either in connection-level configuration or in the message.
8000	SelfMatchPrevention Strategy	Char	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See

				<u>SelfMatchPreventionStrategy (tag 8000)</u> for supported values. If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionID (2362) must be defined either in connection-level configuration or in the message.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<Standard Trailer>			Y	

#### LIMIT futures order example:

BeginString = FIX.4.4  
 BodyLength = ...  
 MsgType = D  
 MsgSeqNum = 3  
 SenderCompID = T1-TEST  
 SenderSubID = TRADINGFIRM  
 SendingTime = 20191102-10:15:41.383  
 TargetCompID = SMALLEX  
 TargetSubID = TEST  
 NoPartyIDs = 1  
 PartyID = trader11  
 PartyIDSource = D  
 PartyRole = 44  
 Account = 658493943  
 ClOrdID = 314bb362:109f840f9c0  
 Symbol=SM75F19  
 SecurityType=FUT  
 OrderQty = 250  
 OrdType = 2  
 Price = 52.51  
 Side = 1  
 TimeInForce = 2  
 TransactTime = 20191102-10:15:40.383  
 PositionEffect = O  
 OrderCapacity=A  
 CustOrderCapacity = 1  
 SelfMatchPreventionID = TOKEN65  
 SelfMatchPreventionStrategy = B  
 ManualOrderIndicator = Y  
 CheckSum = ...

#### LIMIT option order example:

BeginString = FIX.4.4  
 BodyLength = ...  
 MsgType = D  
 MsgSeqNum = 25  
 SenderCompID = T1-TEST  
 SenderSubID = TRADINGFIRM  
 SendingTime = 20200922-09:18:43.011  
 TargetCompID = SMALLEX  
 TargetSubID = TEST

NoPartyIDs = 1  
PartyID = trader11  
PartyIDSource = D  
PartyRole = 44  
Account = 658493943  
ClOrdID = 314bb362:109f840f9c0  
Symbol=SM7520Z20201218C45.5  
SecurityType=OPT  
OrderQty = 2  
OrdType = 2  
Price = 2.95  
Side = 1  
TimeInForce = 2  
TransactTime = 20200922-09:18:42.302  
PositionEffect = O  
OrderCapacity=A  
CustOrderCapacity = 1  
SelfMatchPreventionID = TOKEN65  
SelfMatchPreventionStrategy = B  
ManualOrderIndicator = Y  
Checksum = ...

## 7.6 New Order Multi-leg (MsgType = AB)

This message is used to send new multi-leg orders for execution.

The Small Exchange order management APIs supports a **long** form of sending multi-leg order. In this form the complex 'symbol' of the multi-leg instrument is not specified and the client sends all the legs of the instrument explicitly. A minimum of 2 legs must be defined, and the API will reject orders with more than **4** legs. Each leg must be defined as [Instrument Leg Component](#).

Supported futures multi-legs (both legs are futures):

- Maximum number of legs is 2
- Maximum leg ratio value is 5 for cross-product orders
- Intra-commodity orders (with a same product) support only calendar leg ratios (buy 1, sell 1)

Supported options multi-legs (at least one leg is option):

- Maximum number of legs is 4
- Maximum leg ratio value is 3
- All legs are for a same product
- Only one leg is allowed to be of a FUT type (for covered call / protected put multi-leg orders)

Side (54) is required for multi-leg orders. Along with Price (44), side defines whether an order is debit (the customer is willing to pay) or credit (the customer is willing to receive money):

- Buy, positive price – debit
- Buy, negative price – credit
- Sell, positive price – credit
- Sell, negative price – debit

In the instrument group the subject of trading is defined – a set of legs defining a spread instrument. Market participants might send the same spread instrument in direct (e.g. Buy A-B) or inverse way (e.g. Buy B-A). These orders will end up in the same CLOB and are normalized to a single internal representation. All executions will be reported to the participants according to the way the order is placed.

Example:

A Buy(A-B) and Buy(B-A) orders are issued. Internally these might be converted to Buy(A-B) and Sell(A-B) orders, however executions will be reported according to initial order structure.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "AB"
< <a href="#">Parties</a> >			Y	Operator ID (conveyed via PartyRole = 44) is mandatory.
1	Account	String	Y	Identifier of the customer as defined by the firm. Maximum length is 10 characters.
11	ClOrdID	String	Y	Unique identifier of the order assigned by the firm. Supports up to 20 characters length. See <a href="#">Order Identifiers</a> .
38	OrderQty	Qty	Y	Order quantity
40	OrdType	Char	Y	Order type. See <a href="#">Order Types (tag 40)</a> . Market orders cannot be entered during opening auction.

44	Price	Price	C	Net price of the spread. Required for Limit and Stop-Limit orders.
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	N	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> . Absence of this field indicates Day order.
60	TransactTime	UTC Timestamp	Y	Time this order request was initiated by trader or trading system
99	StopPx	Price	C	Stop price of the spread. Required for Stop and Stop-Limit orders
110	MinQty	Qty	C	Minimum quantity of the order to be executed. Required for Immediate Or Cancel orders. Should be greater than 0.
528	OrderCapacity	Char	Y	Capacity Origin Code. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA. Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token. See <a href="#">Self-Match Prevention</a> . If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionStrategy (8000) must be defined either in connection-level configuration or in the message.
8000	SelfMatchPrevention Strategy	Char	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values. If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionID (2362) must be defined either in connection-level configuration or in the message.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<a href="#">&lt;Order Instrument Identity&gt;</a>			Y	With SecurityType = "MLEG"
555	NoLegs	NumInGroup	Y	Number of instrument legs. Minimum is 2, maximum is 4.
>	<a href="#">&lt;Instrument Leg Identity&gt;</a>		Y	Instrument of the leg



**LIMIT multi-leg futures order example:**

BeginString = FIX.4.4  
BodyLength = ...  
MsgType = AB  
MsgSeqNum = 3  
SenderCompID = T1-TEST  
SenderSubID = TRADINGFIRM  
SendingTime = 20191102-10:15:41.383  
TargetCompID = SMALLEX  
TargetSubID = TEST  
NoPartyIDs = 1  
PartyID = trader11  
PartyIDSource = D  
PartyRole = 44  
Account = 659848944  
CIOrdID = 314bb362:109f840f9c0  
OrderQty = 5  
OrdType = 2  
Price = 52.51  
TimeInForce = 2  
TransactTime = 20190304-10:15:40.383  
OrderCapacity = A  
CustOrderCapacity = 1  
SelfMatchPreventionID = TOKEN65  
SelfMatchPreventionStrategy = B  
ManualOrderIndicator = Y  
SecurityType = MLEG  
NoLegs = 2  
LegSymbol = SM75F19  
LegRatioQty = 1  
LegSide = 1  
LegSymbol = SM75G19  
LegRatioQty = 1  
LegSide = 2  
Checksum = ...

**LIMIT multi-leg option vertical order example:**

BeginString = FIX.4.4  
BodyLength = ...  
MsgType = AB  
MsgSeqNum = 28  
SenderCompID = T1-TEST  
SenderSubID = TRADINGFIRM  
SendingTime = 20200922-10:15:41.383  
TargetCompID = SMALLEX  
TargetSubID = TEST  
NoPartyIDs = 1  
PartyID = trader11  
PartyIDSource = D  
PartyRole = 44  
Account = 658923544  
CIOrdID = 314bb362:109f840f9c0  
OrderQty = 5

OrdType = 2  
 Price = 1.51  
 TimeInForce = 2  
 TransactTime = 20200922-10:15:40.383  
 OrderCapacity = A  
 CustOrderCapacity = 1  
 SelfMatchPreventionID = TOKEN65  
 SelfMatchPreventionStrategy = B  
 ManualOrderIndicator = Y  
 SecurityType = MLEG  
 NoLegs = 2  
 LegSymbol = SM7520Z20201218C51.5  
 LegRatioQty = 1  
 LegSide = 1  
 LegSymbol = SM7520Z20201218C52.5  
 LegRatioQty = 1  
 LegSide = 2  
 CheckSum = ...

## 7.7 Order Cancel Request (MsgType = F)

A firm may use this message to cancel the remaining quantity of any working single or multi-leg order.

Tag	Field Name	Type	Req	Comments
	<Standard Header>		Y	MsgType = "F"
	<Parties>		Y	Operator ID (conveyed via PartyRole = 44) is mandatory.
1	Account	String	Y	Identifier of original order's account. Supports up to 10 characters length.
11	ClOrdID	String	Y	Cancel order unique identifier assigned by the firm. Maximum length 20 characters. See <a href="#">Order Identifiers</a> .
37	OrderID	String	N	The Exchange identifier of the original order. This value is supplied by the Exchange on order acknowledgement. This value is optional but recommended for better performance. Maximum length is 20 characters.
41	OrigClOrdID	String	Y	Order ClOrdID for identifying the previous order in cancel and cancel/replace requests. Supports up to 20 characters length.
54	Side	Char	Y	Side of order to be cancelled. This value is ignored.
1028	ManualOrder Indicator	Boolean	Y	Indicates if the cancel order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
	<Order Instrument Identity>		Y	Symbol and SecurityType are required for cancelling single orders. For multi-leg order cancels only SecurityType="MLEG" is required.

60	TransactTime	UTC Timestamp	Y	Time this cancel request was initiated by trader or trading system
<Standard Trailer>			Y	

### Cancel order request example:

BeginString = FIX.4.4  
 BodyLength = ...  
 MsgType = F  
 MsgSeqNum = 6  
 SenderCompID = T1-TEST  
 SenderSubID = TRADINGFIRM  
 SendingTime = 20191102-10:15:41.383  
 TargetCompID = SMALLEX  
 TargetSubID = TEST  
 NoPartyIDs = 1  
 PartyID = trader11  
 PartyIDSource = D  
 PartyRole = 44  
 Account = 65  
 ClOrdID = 65780bfc:901n328943d  
 OrderID = 5038  
 OrigClOrdID = 71fa0cda:109f847292d  
 Side = 1  
 ManualOrderIndicator = Y  
 Symbol = SM75G19  
 SecurityType = FUT  
 TransactTime = 20191102-10:15:40.725  
 CheckSum = ...

## 7.8 Order Cancel/Replace Request (MsgType = G)

A firm may use this message to replace an order. The following restrictions exist:

- Triggered Stop and Stop-Limit orders cannot be replaced, only canceled
- It is possible to change the order type, but only from Limit to Market
- Time in Force can be changed, but only GTC → DAY and DAY → GTC replaces are supported
- If a field cannot be changed, the replacing order gets rejected.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "G"
<Parties>			Y	Operator ID (conveyed via PartyRole = 44) is mandatory.
1	Account	String	Y	Identifier of original order's account. Supports up to 10 characters length. Account cannot be changed.
11	ClOrdID	String	Y	Unique identifier of the replacing order assigned by the client system. Maximum length 20 characters. See <a href="#">Order Identifiers</a> .
<Order Instrument Identity>			Y	Instrument cannot be changed.
38	OrderQty	Qty	Y	Quantity of the replacing order
40	OrdType	Char	Y	Order type of the replacing order. See <a href="#">Order Types (tag 40)</a> . Order type can only be changed from Limit to Market.

41	OrigClOrdID	String	Y	ClOrdID of the original order to be replaced. Maximum length 20 characters. See <a href="#">Order Identifiers</a> .
44	Price	Price	C	Price per unit of quantity of the replacing order. Required for Limit and Stop-Limit orders
54	Side	Char	Y	Side of the order to be replaced. See <a href="#">Order Sides (tag 54 and tag 624)</a> . Order side cannot be changed.
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> . Only GTC → DAY and DAY → GTC replaces are supported.
60	TransactTime	UTC Timestamp	Y	Time this replace request was initiated by trader or trading system
77	PositionEffect	Char	N	The desired order position effect. See <a href="#">Position Effect (tag 77 and tag 564)</a> . If not specified treated as 'D' – default. The Exchange does not validate this tag.
99	StopPx	Price	C	Stop price of the order. Required for Stop and Stop-Limit orders
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Required for Immediate Or Cancel orders. Should be greater than 0.
528	OrderCapacity	Char	Y	Capacity Origin Code. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA. Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPrevention ID	String	N	New self-match prevention token. See <a href="#">Self-Match Prevention</a> . If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionStrategy (8000) must be defined either in connection-level configuration or in the message.
8000	SelfMatchPrevention Strategy	Char	N	Updated self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values. If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionID (2362) must be defined either in connection-level configuration or in the message.
1028	ManualOrder Indicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<Standard Trailer>			Y	



### Cancel/Replace request of a LIMIT order example:

BeginString = FIX.4.4  
BodyLength = ...  
MsgType = G  
MsgSeqNum = 6  
SenderCompID = T1-TEST  
SenderSubID = TRADINGFIRM  
SendingTime = 20191102-10:15:41.383  
TargetCompID = SMALLEX  
TargetSubID = TEST  
NoPartyIDs = 1  
PartyID = trader11  
PartyIDSource = D  
PartyRole = 44  
Account = 65  
ClOrdID = 71fa0cda:109f847292d:-7ffe  
SecurityType = FUT  
Symbol=SM75F19  
OrderQty = 150  
OrdType = 2  
OrigClOrdID = 71fa0cda:109f847292d:-7ffd  
Price = 49.6  
Side = 1  
TimeInForce = 2  
TransactTime = 20191102-10:15:40.725  
PositionEffect = O  
OrderCapacity = A  
CustOrderCapacity = 1  
SelfMatchPreventionID = TOKEN65  
SelfMatchPreventionStrategy = B  
ManualOrderIndicator = Y  
Checksum = ...

## 7.9 Multi-leg Order Cancel/Replace Request (MsgType = AC)

A firm may use this message to replace a multi-leg order. The following restrictions exist:

- Triggered Stop and Stop-Limit orders cannot be replaced, only canceled
- It is possible to change the order type, but only from Limit to Market
- Time in Force can be changed, but only GTC → DAY and DAY → GTC replaces are supported
- If a field cannot be changed, the replacing order gets rejected.

Price of the multi-leg order is required for Limit and Stop-Limit orders. Sign of the price value identifies whether the order is **debit** or **credit**:

- Debit (positive) – the customer is willing to pay
- Credit (negative) – the customer is willing to receive money
- 0 (Zero) – even orders

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "AC"
<Parties>			Y	Operator ID (conveyed via PartyRole = 44) is mandatory.
1	Account	String	Y	Identifier of original order's account. Supports up to 10 characters length. Account cannot be changed.

11	CIOrdID	String	Y	Unique identifier of the replacing order assigned by the client system. Maximum length 20 characters. See <a href="#">Order Identifiers</a> .
38	OrderQty	Qty	Y	Quantity of the replacing order
40	OrdType	Char	Y	Order type of the replacing order. See <a href="#">Order Types (tag 40)</a> . Order type can only be changed from Limit to Market.
41	OrigCIOrdID	String	Y	CIOrdID of the original order to be replaced. Maximum length 20 characters. See <a href="#">Order Identifiers</a> .
44	Price	Price	C	Net price of the spread. Required for Limit and Stop-Limit orders.
54	Side	Char	Y	Side of the order to be replaced. See <a href="#">Order Sides (tag 54 and tag 624)</a> . Order side cannot be changed.
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> . Only GTC → DAY and DAY → GTC replaces are supported.
60	TransactTime	UTC Timestamp	Y	Time this order request was initiated by trader or trading system
99	StopPx	Price	C	Stop price of the order. Required for Stop and Stop-Limit orders.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Required for Immediate Or Cancel orders. Should be greater than 0.
528	OrderCapacity	Char	Y	Capacity Origin Code. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA. Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPrevention ID	String	N	New self-match prevention token. See <a href="#">Self-Match Prevention</a> . If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionStrategy (8000) must be defined either in connection-level configuration or in the message.
8000	SelfMatchPrevention Strategy	Char	N	Updated self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values. If omitted, default value configured for the connection is used. Both this value and SelfMatchPreventionID (2362)

				must be defined either in connection-level configuration or in the message.
1028	ManualOrder Indicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<u>&lt;Order Instrument Identity&gt;</u>			Y	With SecurityType = "MLEG". Instrument cannot be changed.
555	NoLegs	NumInGroup	Y	Number of instrument legs
>	<u>&lt;Instrument Leg Identity&gt;</u>		Y	Instrument of the leg
<Standard Trailer>			Y	

### Cancel/Replace request of a multi-leg LIMIT futures order example:

BeginString = FIX.4.4  
 BodyLength = ...  
 MsgType = **AC**  
 MsgSeqNum = 6  
 SenderCompID = T1-TEST  
 SenderSubID = TRADINGFIRM  
 SendingTime = 20191102-10:15:41.383  
 TargetCompID = SMALLEX  
 TargetSubID = TEST  
 NoPartyIDs = 1  
 PartyID = trader11  
 PartyIDSource = D  
 PartyRole = 44  
 Account = 65  
 ClOrdID = 71fa0cda:109f847292d:-7ffe  
 OrderQty = 150  
 OrdType = 2  
 OrigClOrdID = 71fa0cda:109f847292d:-7ffd  
 Price = 49.6  
 Side = 1  
 TimeInForce = 2  
 TransactTime = 20191102-10:15:40.725  
 OrderCapacity = A  
 CustOrderCapacity = 1  
 SelfMatchPreventionID = TOKEN65  
 SelfMatchPreventionStrategy = B  
 ManualOrderIndicator = Y  
 SecurityType = MLEG  
 NoLegs = 2  
 LegSymbol = SM75F19  
 LegRatioQty = 1  
 LegSide = 1  
 LegSymbol = SM75G19  
 LegRatioQty = 1  
 LegSide = 2  
 CheckSum = ...



## 7.10 Order Status Request (MsgType = H)

The message used to request the current status of an existing order reported by the Small Exchange system as Execution Report message with ExecType=I.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "H"
11	ClOrdID	String	Y	Order unique identifier assigned by client system. Maximum length 20 characters. See <a href="#">Order Identifiers</a> .
37	OrderID	String	Y	The Exchange identifier of the original order. This value is supplied by the Exchange on order acknowledgement. Unlike in the general FIX protocol specification the field is mandatory in the Small Exchange FIX API. Maximum length is 20 characters.
<Order Instrument Identity>			Y	
54	Side	Char	Y	Side of the order. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
790	OrdStatusRequestID	String	Y	Unique identifier of an Order Status Request message. Maximum length 20 characters.
<Standard Trailer>			Y	

### Order Status Request example:

BeginString = FIX.4.4  
 BodyLength = ...  
 MsgType = H  
 SenderCompID = T1-TEST  
 SenderSubID = TRADINGFIRM  
 SendingTime = 20191102-10:15:41.383  
 TargetCompID = SMALLEX  
 TargetSubID = TEST  
 MsgSeqNum = 2  
 ClOrdID = 4c2a1e5e:10c2002c007  
 OrderID = 5038  
 SecurityType=FUT  
 Symbol=SM75F19  
 Side = 1  
 OrdStatusRequestID = 77f7de35  
 CheckSum = ...

## 7.11 Execution Report: Accepted Order (MsgType = 8, ExecType = 0 or 4 or 5)

Reports with execution type New (0), Cancelled (4), Replaced (5) represent an acknowledgement of successful acceptance of a New, Cancel or Cancel/Replace order.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "8"
<Parties>			Y	Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always "0"

11	CIOrdID	String	Y	Accepted order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
14	CumQty	Qty	Y	Total traded quantity for the order chain (current order and all replaced orders in the chain)
17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
37	OrderID	String	Y	Unique identifier of an order chain in the Small Exchange system. Maximum length is 20 characters.
38	OrderQty	Qty	Y	Quantity ordered.
39	OrdStatus	Char	Y	Identifies the current status of an order. See <a href="#">Order Status (tag 39)</a> .
40	OrdType	Char	Y	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
41	OrigCIOrdID	String	C	CIOrdID of replaced/cancelled order. Reported for cancel and cancel/replace orders acknowledgements. See <a href="#">Order Identifiers</a> .
44	Price	Price	C	Price of the Limit or Stop-Limit order. Reported if specified for the order.
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> .
60	TransactTime	UTC Timestamp	Y	Time of execution, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the execution.
99	StopPx	Price	C	Order stop price. Reported if specified for the order.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Reported if specified for the order. Required for IOC orders. Should be greater than 0.
150	ExecType	ExecType	Y	"0" - new order acknowledgement "4" – cancel order acknowledgement "5" – cancel/replace order acknowledgement
151	LeavesQty	LeavesQty	Y	Quantity available for further execution, working quantity
377	SolicitedFlag	Boolean	N	Indicates whether or not the report was solicited.  This flag is set when an order has been cancelled by the risk management procedures on the Exchange (kill switch activation etc.).
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty

				for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA (copied from the order). Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match Prevention</a> .
8000	SelfMatchPreventionStrategy	Char	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<a href="#">&lt;Order Instrument Identity&gt;</a>			Y	
555	NoLegs	NumInGroup	C	Number of instrument legs. Only for multi leg orders
>	<a href="#">&lt;Instrument Leg Identity&gt;</a>		C	Instrument of the leg
<Standard Trailer>			Y	

## 7.12 Execution Report: Order Status (MsgType = 8, ExecType = I)

Reported as a reply to order status request.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "8"
< <a href="#">Parties</a> >			Y	Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always "0"
11	ClOrdID	String	Y	Accepted order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
14	CumQty	Qty	Y	Total traded quantity for the order chain (current order and all replaced orders in the chain)
17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
37	OrderID	String	Y	Unique identifier of an order chain in the Small Exchange system. Maximum length is 20 characters.
38	OrderQty	Qty	Y	Quantity ordered.
39	OrdStatus	Char	Y	Identifies the current status of an order. See <a href="#">Order Status (tag 39)</a> .
40	OrdType	Char	Y	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
44	Price	Price	C	Price of the Limit or Stop-Limit order. Reported if specified for the order.

54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> .
60	TransactTime	UTC Timestamp	Y	Time of execution, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the execution.
99	StopPx	Price	C	Order stop price. Reported if specified for the order.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Reported if specified for the order. Required for IOC orders. Should be greater than 0.
150	ExecType	ExecType	Y	"I" – order status
151	LeavesQty	LeavesQty	Y	Working quantity of the order
377	SolicitedFlag	Boolean	N	Indicates whether or not the report was solicited. "Y" – was solicited "N" – was not solicited  This flag is set when an order has been cancelled by the risk management procedures on the Exchange (kill switch activation etc.).
790	OrdStatusRequestID	String	Y	OrdStatusRequestID value copied from the order status request
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA (copied from the order). Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match Prevention</a> . This can be specified in connection-level configuration.
8000	SelfMatchPrevention Strategy	C	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values. This can be specified in connection-level configuration.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<a href="#">&lt;Order Instrument Identity&gt;</a>			Y	

555	NoLegs	NumInGroup	C	Number of instrument legs. Only for multi leg orders
>	<i>&lt;Instrument Leg Identity&gt;</i>		C	Instrument of the leg
	<i>&lt;Standard Trailer&gt;</i>		Y	

## 7.13 Execution Report: Triggered Stop (MsgType = 8, ExecType = L)

Sent by the Small Exchange to report a triggered stop order event. Note that triggered stop orders do not change their type and are not converted to limit or market orders.

Tag	Field Name	Type	Req	Comments
<Standard Header>				
			Y	MsgType = "8"
<Parties>				
			Y	Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always "0"
11	ClOrdID	String	Y	Accepted order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
14	CumQty	Qty	Y	Total traded quantity for the order chain (current order and all replaced orders in the chain)
17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
37	OrderID	String	Y	Unique identifier of an order chain in the Small Exchange system. Maximum length is 20 characters.
38	OrderQty	Qty	Y	Order quantity
39	OrdStatus	Char	Y	"0" – New order
40	OrdType	Char	Y	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
44	Price	Price	C	Price of the Limit or Stop-Limit order. Reported if specified for the order.
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> .
60	TransactTime	UTC Timestamp	Y	Time of execution, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the execution.
99	StopPx	Price	Y	Order stop price.
150	ExecType	ExecType	Y	"L" – triggered by the system
151	LeavesQty	LeavesQty	Y	Quantity available for further execution, working quantity
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA (copied from the order). Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match</a>

				<a href="#">Prevention</a> . This can be specified in connection-level configuration.
8000	SelfMatchPreventionStrategy	Char	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values. This can be specified in connection-level configuration.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<a href="#">&lt;Order Instrument Identity&gt;</a>			Y	
555	NoLegs	NumInGroup	C	Number of instrument legs. Only for multi leg orders
>	<a href="#">&lt;Instrument Leg Identity&gt;</a>		C	Instrument of the leg
<a href="#">&lt;Standard Trailer&gt;</a>			Y	

## 7.14 Execution Report: Trade (MsgType = 8, ExecType = F)

Sent by the Small Exchange system to report order fill.

Note that multi-leg order fill reports are sent individually for each leg of futures or option order.

Tag	Field Name	Type	Req	Comments
<a href="#">&lt;Standard Header&gt;</a>			Y	MsgType = "8"
<a href="#">&lt;Parties&gt;</a>			Y	Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always "0"
11	ClOrdID	String	Y	Accepted order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
14	CumQty	Qty	Y	Total traded quantity for the order chain (current order and all replaced orders in the chain)
17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
<a href="#">&lt;Order Instrument Identity&gt;</a>			Y	Instrument traded
31	LastPx	Price	Y	Price of the fill
32	LastQty	Qty	Y	Quantity bought or sold in this fill
37	OrderID	String	Y	Unique identifier of an order chain in the Small Exchange system. Maximum length is 20 characters.
38	OrderQty	Qty	Y	Order quantity
39	OrdStatus	Char	Y	Order status. See <a href="#">Order Status (tag 39)</a> .
40	OrdType	Char	Y	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
44	Price	Price	C	Price of the Limit or Stop-Limit order. Reported if specified for the order.
624	LegRefID	String	C	Unique identifier for a specific leg (included only for spread leg fill reports).



				References the value from the order request (see <a href="#">Instrument Leg Component</a> ).
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> .
60	TransactTime	UTC Timestamp	Y	Time of execution, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the trade
99	StopPx	Price	C	Order stop price. Reported if specified for the order.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Reported if specified for the order.
150	ExecType	ExecType	Y	"F" – trade
151	LeavesQty	LeavesQty	Y	Remaining working quantity of the order
442	MultiLegReportingType	Char	C	Reported for multi-leg order fills. Always "2" - individual leg of a multi-leg security
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA (copied from the order). Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
880	TrdMatchID	String	Y	Unique identifier of a trade in the Small Exchange system. Same for BUY and SELL sides report
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match Prevention</a> .
8000	SelfMatchPrevention Strategy	Char	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
1057	AggressorIndicator	Boolean	Y	Indicates if an order was aggressor or not. Y - aggressor order taking liquidity, N - passive/resting order. Note that all orders matched during an opening auction are reported as passive
<Standard Trailer>			Y	



## Trade execution report example: multi-leg option order fill

*This example assumes a multi-leg order with the following parameters has been issued:*

NoLegs = 2  
LegSymbol = SM7520Z20201218C51.5  
LegRefID = 16777225  
LegPositionEffect = C  
LegRatioQty = 1  
LegSide = 1  
LegSymbol = SM7520Z20201218C52.5  
LegRefID = 16777226  
LegPositionEffect = C  
LegRatioQty = 1  
LegSide = 2

*First leg fill:*

BeginString = FIX.4.4  
BodyLength = ...  
MsgType = 8  
SenderCompID = SMALLEX  
SenderSubID = TEST  
SendingTime = 20201022-10:15:41.383  
TargetCompID = dx1-fix  
TargetSubID = DX  
MsgSeqNum = 2  
NoPartyIDs = 1  
PartyID = trader11  
PartyIDSource = D  
PartyRole = 44  
OrderID = 72057594037977283  
ClOrdID = 4c2a1e5e:10c2002c007  
ExecID = 72057594037981287  
ExecType = F  
OrdStatus = 2  
Account = 432434224  
Symbol = SM7520Z20201218C51.5  
SecurityType=OPT  
LegRefID = 16777225  
Side = 1  
OrderQty = 1  
OrdType = 2  
Price = 0  
TimeInForce = 0  
LastQty = 2  
LastPx = 15  
LeavesQty = 0  
CumQty = 0  
AvgPx = 0  
TradeDate = 20201022  
TransactTime = 20201022-12:38:57.940  
MultiLegReportingType = 2  
CustOrderCapacity = 1  
OrderCapacity = A  
ManualOrderIndicator = Y

AggressorIndicator = Y  
TrdMatchID = 78654  
Checksum =

*Second leg fill:*

BeginString = FIX.4.4  
BodyLength = ...  
MsgType = 8  
SenderCompID = SMALLEX  
SenderSubID = TEST  
SendingTime = 20201022-10:15:41.383  
TargetCompID = dx1-fix  
TargetSubID = DX  
MsgSeqNum = 2  
NoPartyIDs = 1  
PartyID = trader11  
PartyIDSource = D  
PartyRole = 44  
OrderID = 72057594037977283  
ClOrdID = 4c2a1e5e:10c2002c007  
ExecID = 72057594037981289  
ExecType = F  
OrdStatus = 2  
Account = fixmleg  
Symbol = SM7520Z20201218C52.5  
SecurityType=OPT  
LegRefID = 16777226  
Side = 2  
OrderQty = 1  
OrdType = 2  
Price = 0  
TimeInForce = 0  
LastQty = 2  
LastPx = 14  
LeavesQty = 0  
CumQty = 0  
AvgPx = 0  
TradeDate = 20201022  
TransactTime = 20201022-12:38:57.940  
MultiLegReportingType = 2  
CustOrderCapacity = 1  
OrderCapacity = A  
ManualOrderIndicator = Y  
AggressorIndicator = Y  
TrdMatchID = 78654  
Checksum =

## 7.15 Execution Report: Rejected New Order (MsgType = 8, ExecType = 8)

Sent as a reject for new single or multi-leg order request.

Tag	Field Name	Type	Req	Comments
<Standard Header>				MsgType = "8"
<Parties>				Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always "0"
11	ClOrdID	String	Y	Accepted order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
37	OrderID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
39	OrdStatus	Char	Y	"8" - rejected
40	OrdType	Char	N	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
58	Text	String	N	Reject reason text
60	TransactTime	UTC Timestamp	Y	Timestamp of the execution report, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the execution
103	OrdRejReason	Int	Y	Reject reason code. See <a href="#">Order Reject Reason (tag 103)</a> .
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Reported if specified for the order; sent only for IOC orders.
150	ExecType	ExecType	Y	"8" - rejected
151	LeavesQty	LeavesQty	Y	Always "0"
377	SolicitedFlag	Boolean	N	Indicates whether or not the order was solicited, always Y for the rejected order
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA (copied from the order). Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match Prevention</a> .

8000	SelfMatchPreventionStrategy	Char	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
<a href="#">&lt;Order Instrument Identity&gt;</a>			Y	
555	NoLegs	NumInGroup	C	Number of instrument legs. Only for multi-leg orders
>	<a href="#">&lt;Instrument Leg Identity&gt;</a>		C	Instrument of the leg
<a href="#">&lt;Standard Trailer&gt;</a>			Y	

## 7.16 Execution Report: Done for Day (MsgType = 8, ExecType = 3)

Reports with execution type ‘Done for Day’ (4) are sent by the Exchange to the firms that need the status of their open orders after the trading session is closed.

Tag	Field Name	Type	Req	Comments
<a href="#">&lt;Standard Header&gt;</a>				MsgType = “8”
<a href="#">&lt;Parties&gt;</a>				Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always “0”
11	ClOrdID	String	Y	The order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
14	CumQty	Qty	Y	Total traded quantity for the order chain (current order and all replaced orders in the chain)
17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
37	OrderID	String	Y	Unique identifier of an order chain in the Small Exchange system. Maximum length is 20 characters.
38	OrderQty	Qty	Y	Quantity ordered.
39	OrdStatus	Char	Y	Identifies the current status of an order. Always 3 = Done for Day. See <a href="#">Order Status (tag 39)</a> .
40	OrdType	Char	Y	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
44	Price	Price	C	Price of the Limit or Stop-Limit order. Reported if specified for the order.
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> .
60	TransactTime	UTC Timestamp	Y	Time of execution, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the execution.

99	StopPx	Price	C	Order stop price. Reported if specified for the order.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Reported if specified for the order. Required for IOC orders.
150	ExecType	ExecType	Y	"3" – Done for Day
151	LeavesQty	LeavesQty	Y	Quantity available for further execution, working quantity
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Customer Type Indicator Code (CTI) as defined by the NFA (copied from the order). Distinguishes for whom and on what type of account the trade is being placed. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match Prevention</a> .
8000	SelfMatchPreventionStrategy	C	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)
	<a href="#">&lt;Order Instrument Identity&gt;</a>		Y	
555	NoLegs	NumInGroup	C	Number of instrument legs. Only for multi leg orders
>	<a href="#">&lt;Instrument Leg Identity&gt;</a>		C	Instrument of the leg
	<a href="#">&lt;Standard Trailer&gt;</a>		Y	

## 7.17 Execution Report: Expired (MsgType = 8, ExecType = C)

Reports with execution type Expired (C) are sent by the Exchange to the firms that need to track the expiration of their time-limited orders such as DAY or GTC orders on instrument expiration day.

Tag	Field Name	Type	Req	Comments
	<a href="#">&lt;Standard Header&gt;</a>		Y	MsgType = "8"
	<a href="#">&lt;Parties&gt;</a>		Y	Operator ID (PartyRole = 44)
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
6	AvgPx	Price	Y	Always "0"
11	ClOrdID	String	Y	The order identifier assigned by the client system (as defined in the order). See <a href="#">Order Identifiers</a> .
14	CumQty	Qty	Y	Total traded quantity for the order chain (current order and all replaced orders in the chain)

17	ExecID	String	Y	Unique identifier of the execution as assigned by the Exchange. Maximum length is 20 characters.
37	OrderID	String	Y	Unique identifier of an order chain in the Small Exchange system. Maximum length is 20 characters.
38	OrderQty	Qty	Y	Quantity ordered.
39	OrdStatus	Char	Y	Identifies the current status of an order. Always C = Expired. See <a href="#">Order Status (tag 39)</a> .
40	OrdType	Char	Y	Order type as specified in the order. See <a href="#">Order Types (tag 40)</a> .
44	Price	Price	C	Price of the Limit or Stop-Limit order. Reported if specified for the order.
54	Side	Char	Y	Order side. See <a href="#">Order Sides (tag 54 and tag 624)</a> .
59	TimeInForce	Char	Y	Specifies how long the order remains in effect. See <a href="#">Order Time-in-force (tag 59)</a> .
60	TransactTime	UTC Timestamp	Y	Time of execution, expressed in UTC
75	TradeDate	Local MktDate	Y	Business date of the execution.
99	StopPx	Price	C	Order stop price. Reported if specified for the order.
110	MinQty	Qty	C	Minimum quantity of an order to be executed. Reported if specified for the order. Required for IOC orders.
150	ExecType	ExecType	Y	"C" – Expired.
151	LeavesQty	LeavesQty	Y	Quantity available for further execution, working quantity. Always "0".
528	OrderCapacity	Char	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">OrderCapacity (tag 528)</a> .
582	CustOrderCapacity	Int	Y	Capacity Origin Code copied from the order. Identifies the counterparty for surveillance/clearing purposes. See <a href="#">CustOrderCapacity (tag 582)</a> .
2362	SelfMatchPreventionID	String	N	Self-match prevention token as defined in the order. See <a href="#">Self-Match Prevention</a> . This can be specified in connection-level configuration.
8000	SelfMatchPrevention Strategy	C	N	Self-match prevention strategy – see <a href="#">Self-Match Prevention</a> for details. See <a href="#">SelfMatchPreventionStrategy (tag 8000)</a> for supported values. This can be specified in connection-level configuration.
1028	ManualOrderIndicator	Boolean	Y	Indicates if the order was initially received manually (as opposed to electronically) or if it was entered manually (as opposed to entered by automated trading software)

<u>&lt;Order Instrument Identity&gt;</u>			Y	
555	NoLegs	NumInGroup	C	Number of instrument legs. Only for multi leg orders
>	<u>&lt;Instrument Leg Identity&gt;</u>		C	Instrument of the leg
<Standard Trailer>			Y	

## 7.18 Order Cancel Reject (MsgType = 9)

Sent by the Small Exchange system to notify the client on rejection of an Order Cancel Request.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "9"
1	Account	String	Y	Unique identifier of an account in the system (as specified in the order).
11	ClOrdID	String	Y	ClOrdID identifier of rejected cancel request. See <a href="#">Order Identifiers</a> .
37	OrderID	String	Y	Unique identifier of an order in the Small Exchange system. Maximum length is 20 characters.
39	OrdStatus	Char	Y	Order status value after this rejections. See <a href="#">Order Status (tag 39)</a> .
41	OrigClOrdID	String	Y	Order ClOrdID which could not be cancelled/replaced. See <a href="#">Order Identifiers</a> .
60	TransactTime	UTCTimestamp	Y	Time of the reject, expressed in UTC
75	TradeDate	LocalMktDate	N	Business date of the reject
102	CxlRejReason	Int	C	Code to identify the reason for cancel rejection. See <a href="#">Cancel Reject Reason (tag 102)</a> .
434	CxlRejResponseTo	Char	Y	Identifies type of request that Cancel Reject is in response to. "1" - order cancel request "2" - order cancel/replace request
58	Text	String	N	Reject reason text. Supports up to 120 characters length.
<Standard Trailer>			Y	

## 7.19 Business Reject (MsgType = j)

Sent by the Small Exchange system to notify the client of application-level rejection of client request which passed session-level validation but has business validation issues and cannot be reported with a well-formed Execution Report with Rejected status.

Tag	Field Name	Type	Req	Comments
<Standard Header>			Y	MsgType = "j"
45	RefSeqNum	String	Y	MsgSeqNum <34> of rejected message
372	RefMsgType	String	Y	Rejected message MsgType <35>
380	BusinessRejectReason	String	Y	Reject reason code
58	Text	Char	Y	Reject reason text. Supports up to 120 characters length.
<Standard Trailer>			Y	

## 8 Tag Values

### 8.1 PartyRole (tag 452)

Value	Description
44	Order Entry Operator ID. Identifier of the operator who placed the order. This is an 'external' identifier not assigned by the Exchange.
2101	Subscriber token. If the order is placed by the Exchange subscriber, order messages and execution reports will include a separate 'party' with the token value.

### 8.2 Order Status (tag 39)

Value	Description
0	New
1	Partially filled
2	Filled
3	Done for day
4	Cancelled
6	Pending cancel
8	Rejected
A	Pending new
C	Expired
E	Pending replace

### 8.3 Order Types (tag 40)

Value	Description
1	Market
2	Limit
3	Stop
4	Stop Limit

### 8.4 Order Sides (tag 54 and tag 624)

Value	Description
1	Buy side
2	Sell side

### 8.5 Order Time-in-force (tag 59)

Value	Description
0	Day order
1	Good Till Cancel (GTC)
3	Immediate Or Cancel (IOC)
4	Fill Or Kill (FOK)



## 8.6 Cancel Reject Reason (tag 102)

Value	Description
0	Too late to cancel
1	Unknown order

## 8.7 Order Reject Reason (tag 103)

Value	Description
1	Unknown symbol
2	Exchange closed
6	Duplicate order
18	Invalid price increment (submitted price precision exceeds the one supported for the instrument)
99	Other

## 8.8 Execution Types (tag 150)

Value	Description
0	New, order is placed
3	Done for day
4	Cancelled
5	Replace
8	Rejected
C	Expired
F	Trade
I	Order status

## 8.9 Session Reject Reason Codes (tag 373)

Value	Description
0	Invalid tag number
1	Required tag missing
3	Undefined Tag
4	Tag specified without a value
5	Value is incorrect (out of range) for this tag
6	Incorrect data format for value
9	CompID problem
99	Other

## 8.10 Position Effect (tag 77 and tag 564)

The value of these tags indicates the desired direction of a position. The Exchange does not validate the value of these tags.

Value	Description
O	Open
C	Close
D	Default

## 8.11 CustOrderCapacity (tag 582)

Customer Type Indicator Code as defined by the NFA. Distinguishes for whom and on what type of account the trade is being placed.

See <https://www.nfa.futures.org/news/newsNotice.asp?ArticleID=1362>.

Value	Description
1	CTI 1: For orders placed by an executing broker for their own account.
2	CTI 2: For orders placed by an executing broker for a firm proprietary account.
3	CTI 3: For orders placed by an executing broker for another broker who also has access to the system.
4	CTI 4: For orders placed by an executing broker on behalf of a customer.

## 8.12 OrderCapacity (tag 528)

Capacity Origin Code. Identifies the counterparty for surveillance/clearing purposes.

Value	Description
A	Customer's segregated account.
P	Firm's proprietary account.

## 8.13 SelfMatchPreventionStrategy (tag 8000)

Value	Description
A	Cancel aggressing order
R	Cancel resting order
B	Cancel both aggressing and resting orders