FIX Trading Specification (Equities)

Version 3.00

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1 Introduction

This document explains access to the **equities trading services** of Japannexts **PTS** via the **FIX** protocol. It describes the service configuration and specifies both administrative and application messages.

For further information and inquiries regarding trading services, and for questions concerning connectivity, contact Japannexts Technical Support at .

2 Overview

FIX is an industry-standard, message-based protocol widely used by financial institutions to implement electronic exchange of securities transactions. FIX enables clients to access Japannexts markets, enter new orders, modify and cancel existing orders, and receive execution reports, all in real time.

FIX messages are encapsulated by TCP/IP as the point-to-point transport layer.

3 Service Configuration

Access to the Japannexts PTS equities trading services can be configured to accept and maintain multiple FIX sessions per client. However, only one active connection is allowed per FIX session. In addition, each FIX session is throttled at a predetermined rate.

The **Cancel on Disconnect** feature can be activated upon request for any client FIX session. If **Cancel on Disconnect** is active, all open orders created during a FIX session that is subsequently disconnected for any reason are automatically withdrawn. For every withdrawn order, an unsolicited cancellation message is sent to the client upon reconnection. **Cancel on Disconnect** is performed on a best-effort basis.

4 Fault Redundancy

Japannexts PTS provides a single connection point per FIX session. All instances of a rob ust FIX client application must maintain sequence numbers as defined by the FIX protocol. I n
case of connectivity failure, the client instance must reconnect to the same destination. A timeout of at least one second is required between reconnection attempts. Japannexts P TS handles IP address migration during service failover on its side.

5 FIX Protocol

The messaging described in this specification complies with the **FIX 4.2** protocol standard (https://www.fixtrading.org/standards/fix-4-2/).

This specification follows the standard FIX specification as closely as possible. However, in limited cases, fields and field values have been extended by backporting from the **FIX 4.4** specification.

6 Data Types and Required Fields

Field data types in this specification are the same as those defined in the standard FIX specification. However, this specification places additional restrictions on certain field values. All field values are stated in the message specification details.

6.1 Required fields

The **Req'd** column of each message definition table specifies field requirements as follows:

- **Y**: standard FIX specification fields **required** in this specification
- **-**: standard FIX specification fields **not required** in this specification
- **R**: fields not specified in the standard FIX specification but **required** in this specification

7 Limitations

This specification limits the lengths of the following fields.

Tag	Field name	Data type	Field limit
1	**Account**	String	10 characters
6	**AvgPx**	Price	8 whole number digits, 4 decimal places
11	**ClOrdID**	String	32 characters
14	**CumQty**	Qty	9 whole number digits
17	**ExecID**	String	20 characters
31	**LastPx**	Price	8 whole number digits, 1 decimal place
32	**LastShares**	Qty	9 whole number digits
37	**OrderID**	String	20 characters
38	**OrderQty**	Qty	9 whole number digits
41	**OrigClOrdID**	String	32 characters
44	**Price**	Price	8 whole number digits, 1 decimal place
50	**SenderSubID**	String	30 characters for incoming messages 4 characters for outgoing messages
55	**Symbol**	String	9 characters
57	**TargetSubID**	String	4 characters for incoming messages 30 characters for outgoing messages
109	**ClientID**	String	9 digits
110	**MinQty**	Qty	9 whole number digits
151	**LeavesQty**	Qty	9 whole number digits
336	**TradingSessionID**	String	20 characters
880	**TrdMatchID**	String	20 characters

8 Order and Trade Identifiers

8.1 Client Order ID

ClOrdID validation for uniqueness is not guaranteed. New orders are only checked against open orders for duplication.

8.2 Order ID

OrderID is set to the unique reference number assigned to the order by the trading system. An **OrderID** originally assigned to an order may be replaced with a new unique **OrderID** during the order's lifetime.

8.3 Trade Match ID

TrdMatchID is set to the unique reference number assigned to the trade by the trading system.

8.4 Execution ID

ExecID uniqueness is guaranteed only per FIX session.

9 FIX Session Management

FIX sessions are uniquely defined by the **SenderCompID** and **TargetCompID**. Any attempt to establish an additional FIX session using the same **SenderCompID** and **TargetCompID** is rejected.

At logon, clients are identified by their **SenderCompID**. Clients must log on to the service using the logon message. Once logged on, clients must send heartbeat messages to keep their session active.

In case of connection loss, clients are required to again log on using the next transmitted sequence numbers while also handling any potential message loss in a FIX protocol-compliant manner.

IP addresses, port numbers, and **CompIDs** are issued upon application completion.

10 FIX Messages

10.1 Standard Header – Incoming Messages

Tag	Field name	Data type	Req'd	Comments
8	**BeginString**	String	Y	Identifies beginning of new message and protocol version. Always first field in message. Value is 'FIX.4.2'.
9	**BodyLength**	int	Y	Message length, in bytes, from start of MsgType (35) field up to and including the delimiter preceding the CheckSum (10) field. Always second field in message.
35	**MsgType**	String	Y	Defines message type. Always third field in message.
34	**MsgSeqNum**	int	Y	Integer message sequence number.
43	**PossDupFlag**	Boolean	-	Indicates possible retransmission of message having the MsgSeqNum sequence number. Values: Y = Possible duplicate N = Original transmission
49	**SenderCompID**	String	Y	Identifies the firm sending messages. Assigned by Japannexts .
50	**SenderSubID**	String	-	Identifies specific message originator.
52	**SendingTime**	UTC Timestamp	Y	Time of message transmission (always expressed in UTC).
56	**TargetCompID**	String	Y	Identifies receiving firm. Assigned by Japannexts .

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57	**TargetSubID**	String	-	Identifies specific individual or unit intended to receive the message. Assigned by Japannexts . If this field is omitted, the default value for the session is used. Values: DAY = J-Market Daytime Session NGHT = J-Market Nighttime Session DAYX = X-Market DAYU = U-Market
97	**PossResend**	Boolean	-	Indicates that message may contain information sent under another sequence number. Values: Y = Possible resend N = Original transmission
122	**OrigSendingTime**	UTC Timestamp	-	Original time of message transmission (always expressed in UTC).

10.2 Standard Header – Outgoing Messages

Tag	Field name	Data type	Req'd	Comments
8	**BeginString**	String	Y	Identifies beginning of new message and protocol version. Always first field in message. Value is 'FIX.4.2'.
9	**BodyLength**	int	Y	Message length, in bytes, from start of MsgType (35) field up to and including the delimiter preceding the CheckSum (10) field. Always second field in message.
35	**MsgType**	String	Y	Defines message type. Always third field in message.
34	**MsgSeqNum**	int	Y	Integer message sequence number.
49	**SenderCompID**	String	Y	Identifies the firm sending the message. Assigned by Japannexts .
50	**SenderSubID**	String	-	Identifies specific message originator. Assigned by Japannexts . Values: DAY = J-Market Daytime Session NGHT = J-Market Nighttime Session DAYX = X-Market DAYU = U-Market
52	**SendingTime**	UTC Timestamp	Y	Time of message transmission (always expressed in UTC).
56	**TargetCompID**	String	Y	Identifies receiving firm. Assigned by Japannexts .
57	**TargetSubID**	String	-	Identifies specific individual or unit intended to receive the message.
122	**OrigSendingTime**	UTC Timestamp	-	Original time of message transmission (always expressed in UTC).

10.3 Standard Trailer

Tag	Field name	Data type	Req'd	Comments
10	**CheckSum**	String	Y	Three-byte simple checksum. Always defined as three characters. Always last field in message.

10.4 Administrative Messages

10.4.1 Logon

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = A
98	**EncryptMethod**	int	Y	Encryption method. Not supported. Value: 0 = None / other
108	**HeartBtInt**	int	Y	Heartbeat interval (seconds). Recommended value is '30'.
141	**ResetSeqNumFlag**	Boolean	-	Indicates whether both sides of the FIX session should reset sequence numbers. Values: Y = Yes, reset sequence numbers N = No, do not reset sequence numbers
Standard trailer				

10.4.2 Heartbeat

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = 0
112	**TestReqID**	String	-	Required when heartbeat is result of a Test Request message.
Standard trailer				

10.4.3 Test Request

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = 1
112	**TestReqID**	String	Y	Identifier to be returned in resulting Heartbeat.
Standard trailer				

10.4.4 Resend Request

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = 2
7	**BeginSeqNo**	int	Y	Message sequence number of first message in range to be re-sent.
16	**EndSeqNo**	int	Y	Message sequence number of last message in range to be re-sent.
Standard trailer				

10.4.5 Reject

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = 3
45	**RefSeqNum**	int	Y	MsgSeqNum (34) of rejected message.
58	**Text**	String	-	Reject reason details.

371	**RefTagID**	int	-	Tag number of FIX field being referenced.
372	**RefMsgType**	String	-	MsgType (35) of FIX message being referenced.
373	**SessionRejectReason**	int	-	Reason for session-level Reject message. Values: 0 = Invalid tag number 1 = Required tag missing 2 = Tag not defined for this message type 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 10 = SendingTime (52) accuracy problem 11 = Invalid MsgType (35)
Standard trailer				

10.4.6 Sequence Reset

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = 4
36	**NewSeqNo**	int	Y	New sequence number.
123	**GapFillFlag**	Boolean	-	Indicates replacing administrative or application messages which will not be re-sent. Values: Y = Gap Fill message, MsgSeqNum (34) field valid N = Sequence Reset, ignore MsgSeqNum (34)
Standard trailer				

10.4.7 Logout

Tag	Field name	Data type	Req'd	Comments
Standard header				MsgType (35) = 5
58	**Text**	String	-	Logout reason details.
Standard trailer				

10.5 Application Messages

10.5.1 New Order Single

Tag	Field name	Data type	Req'd	Comments
Standard header – Incoming				MsgType (35) = D
1	**Account**	String	-	Account mnemonic. Assigned by firm.
11	**ClOrdID**	String	Y	Unique identifier of order. Assigned by firm.
18	**ExecInst**	Multiple ValueString	-	One or more space-delimited instructions for order handling. Values: 6 = Participate, don't initiate (post-only) x = Ignore notional value checks

21	**HandlInst**	char	-	Instructions for order handling on broker side. Value: 1 = Automated execution order, private, no broker intervention
38	**OrderQty**	Qty	R	Order quantity.
40	**OrdType**	char	Y	Order type. Value: 2 = Limit
44	**Price**	Price	R	Price per share. Required for limit orders, OrdType (40) = 2 (Limit).
47	**Rule80A**	char	-	Capacity of firm placing order. Absence of this field interpreted as 'Principal'. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.
59	**TimeInForce**	char	-	How long order remains in effect. Absence of this field interpreted as 'Day'. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	**TransactTime**	UTC Timestamp	Y	Time order request initiated.
109	**ClientID**	String	-	Identifier of order entry firm. Omit unless specifying client MPID.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed. Applicable only when TimeInForce (59) = 3 (Immediate or Cancel).
544	**CashMargin**	char	-	Identifies whether order is a margin order or a non-margin order. Absence of this field interpreted as 'Cash'. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
8214	**MarginTransactionType**	char	-	Margin transaction type of margin order. Applicable only when CashMargin (544) = 2 (Margin Open) or CashMargin (544) = 3 (Margin Close). Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.2 Execution Report – Order Rejected

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	**Account**	String	-	Account mnemonic. Assigned by firm.
6	**AvgPx**	Price	Y	Calculated average price of all fills on this order.
11	**ClOrdID**	String	R	Unique identifier of order. Assigned by firm.
14	**CumQty**	Qty	Y	Total number of shares filled.
17	**ExecID**	String	Y	Unique identifier of execution message. Assigned by Japannexts .
20	**ExecTransType**	char	Y	Transaction type. Value: 0 = New
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts . Value is 'NONE' if OrdRejReason (103) ≠ 6 (Duplic Order).
38	**OrderQty**	Qty	R	Quantity ordered.
39	**OrdStatus**	char	Y	Current status of order. Values: 0 = New 1 = Partially filled 2 = Filled 4 = Canceled 5 = Replaced 6 = Pending cancel 8 = Rejected A = Pending new E = Pending replace
40	**OrdType**	char	R	Order type. Value: 2 = Limit
44	**Price**	Price	R	Price per share entered.
47	**Rule80A**	char	R	Capacity of firm placing order. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.
58	**Text**	String	-	Reject reason details.
59	**TimeInForce**	char	R	How long order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)

103	**OrdRejReason**	int	R	Reason for order rejection. Values: 0 = Broker / trading venue option 1 = Unknown symbol 2 = Trading venue closed 3 = Order exceeds limit 6 = Duplicate order (e.g., duplicate ClOrdID (11)) 8 = Stale order 11 = Unsupported order characteristic 12 = Surveillance option 13 = Incorrect quantity 16 = Price exceeds current price band 99 = Other
109	**ClientID**	String	-	Identifier of order entry firm, if specified.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed.
150	**ExecType**	char	Y	Denotes specific Execution Report. Value: 8 = Rejected
151	**LeavesQty**	Qty	Y	Amount of shares open for further execution.
544	**CashMargin**	char	R	Identifies whether order is a margin order or a non-margin order. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
8214	**MarginTransactionType**	char	-	Margin transaction type of margin order. Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.3 Execution Report – Order Accepted

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	**Account**	String	-	Account mnemonic. Assigned by firm.
6	**AvgPx**	Price	Y	Calculated average price of all fills on this order. Value is '0'.
11	**ClOrdID**	String	R	Unique identifier of order. Assigned by firm.
14	**CumQty**	Qty	Y	Total number of shares filled. Value is '0'.
17	**ExecID**	String	Y	Unique identifier of execution message. Assigned by Japannexts .
20	**ExecTransType**	char	Y	Transaction type. Value: 0 = New
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts .
38	**OrderQty**	Qty	R	Quantity accepted.
39	**OrdStatus**	char	Y	Current status of order. Value: 0 = New
40	**OrdType**	char	R	Order type. Value: 2 = Limit
44	**Price**	Price	R	Price per share accepted.

47	**Rule80A**	char	R	Capacity of firm placing order. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.
59	**TimeInForce**	char	R	How long order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	**TransactTime**	UTC Timestamp	R	Time when transaction represented by this message occurred.
109	**ClientID**	String	-	Identifier of order entry firm, if specified.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed.
150	**ExecType**	char	Y	Denotes specific Execution Report. Value: 0 = New
151	**LeavesQty**	Qty	Y	Amount of shares open for further execution. Value is same as that of OrderQty (38).
544	**CashMargin**	char	R	Identifies whether order is a margin order or a non-margin order. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
8214	**MarginTransaction Type**	char	-	Margin transaction type of margin order. Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.4 Execution Report – Order Status

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	**Account**	String	-	Account mnemonic. Assigned by firm.
6	**AvgPx**	Price	Y	Calculated average price of all fills on this order.
11	**ClOrdID**	String	R	Unique identifier of order. Assigned by firm.
14	**CumQty**	Qty	Y	Total number of shares filled.
17	**ExecID**	String	Y	Unique identifier of execution message. Assigned by Japannexts .
20	**ExecTransType**	char	Y	Transaction type. Value: 3 = Status
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts .
38	**OrderQty**	Qty	R	Quantity accepted.

39	**OrdStatus**	char	Y	Current status of order. Values: 0 = New 1 = Partially filled 2 = Filled 4 = Canceled 5 = Replaced 6 = Pending cancel 8 = Rejected A = Pending new E = Pending replace
40	**OrdType**	char	R	Order type. Value: 2 = Limit
44	**Price**	Price	R	Price per share accepted.
47	**Rule80A**	char	R	Capacity of firm placing order. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.
59	**TimeInForce**	char	R	How long order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
109	**ClientID**	String	-	Identifier of order entry firm, if specified.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed.
150	**ExecType**	char	Y	Denotes specific Execution Report. Value: I = Order Status
151	**LeavesQty**	Qty	Y	Amount of shares open for further execution.
544	**CashMargin**	char	R	Identifies whether order is a margin order or a non-margin order. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
8214	**MarginTransaction Type**	char	-	Margin transaction type of margin order. Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.5 Order Cancel Request

Tag	Field name	Data type	Req'd	Comments
Standard header - Incoming				MsgType (35) = F
11	**ClOrdID**	String	Y	Unique identifier of order. Assigned by firm.
38	**OrderQty**	Qty	R	Value ignored. Recommended value is current total order quantity (incl. amount already executed for this chain of orders).
41	**OrigClOrdID**	String	Y	ClOrdID (11) of previous order (not initial order). Assigned by firm.
54	**Side**	char	Y	Side of order. Must match original side. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Must match original symbol. Value is the Securities Identification Code Committee (SICC) code.
60	**TransactTime**	UTC Timestamp	Y	Time order request initiated.
Standard trailer				

10.5.6 Order Cancel Reject

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 9
11	**ClOrdID**	String	Y	Unique identifier of order. Assigned by firm.
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts . Value is 'NONE' if CxlRejReason (102) = 1 (Unknown order).
39	**OrdStatus**	char	Y	Current status of order. Values: 0 = New 1 = Partially filled 2 = Filled 4 = Canceled 5 = Replaced 6 = Pending cancel 8 = Rejected A = Pending new E = Pending replace
41	**OrigClOrdID**	**String**	Y	ClOrdID (11) of previous order (not initial order). Assigned by firm.
58	**Text**	String	-	Reject reason details.

102	**CxlRejReason**	int	R	Cancel rejection reason. Values: 0 = Too late to cancel 1 = Unknown order 3 = Order already in Pending Cancel or Pending Replace status 6 = Duplicate ClOrdID (11) received 99 = Other
434	**CxlRejResponseTo**	char	Y	Type of request triggering Cancel Reject response. Value: 1 = Order Cancel Request
Standard trailer				

10.5.7 Execution Report – Order Canceled

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	**Account**	String	-	Account mnemonic. Assigned by firm.
6	**AvgPx**	Price	Y	Calculated average price of all fills on this order.
11	**ClOrdID**	String	R	Unique identifier of order. Assigned by firm.
14	**CumQty**	Qty	Y	Total number of shares filled.
17	**ExecID**	String	Y	Unique identifier of execution message. Assigned by Japannexts .
20	**ExecTransType**	char	Y	Transaction type. Value: 0 = New
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts .
38	**OrderQty**	Qty	R	Quantity accepted.
39	**OrdStatus**	char	Y	Current status of order. Value: 4 = Canceled
40	**OrdType**	char	R	Order type. Value: 2 = Limit
41	**OrigClOrdID**	String	-	ClOrdID (11) of previous order (not initial order). Assigned by firm.
44	**Price**	Price	R	Price per share accepted.
47	**Rule80A**	char	R	Capacity of firm placing order. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.
59	**TimeInForce**	char	R	How long order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)

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60	**TransactTime**	UTC Timestamp	R	Time when transaction represented by this message occurred.
109	**ClientID**	String	-	Identifier of order entry firm, if specified.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed.
150	**ExecType**	char	Y	Denotes specific Execution Report. Value: 4 = Canceled
151	**LeavesQty**	Qty	Y	Amount of shares open for further execution. Value is '0'.
378	**ExecRestatement Reason**	int	-	Reason for unsolicited cancel. Values: 2 = Verbal change 12 = Cancel on connection loss 99 = Other 100 = Trade prevention 102 = Cancel on margin restriction
544	**CashMargin**	char	R	Identifies whether order is a margin order or a non-margin order. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
8214	**MarginTransaction Type**	char	-	Margin transaction type of margin order. Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.8 Order Cancel Replace Request

Tag	Field name	Data type	Req'd	Comments
Standard header - Incoming				MsgType (35) = G
11	**ClOrdID**	String	Y	Unique identifier of order. Assigned by firm.
18	**ExecInst**	Multiple ValueString	-	One or more space-delimited instructions for order handling. Values: 6 = Participate, don't initiate (post-only) x = Ignore notional value checks
21	**HandlInst**	char	-	Instructions for order handling on broker side. Value: 1 = Automated execution order, private, no broker intervention
38	**OrderQty**	Qty	R	New intended total order quantity (incl. amount already executed for order chain).
40	**OrdType**	char	Y	Order type. Value: 2 = Limit
41	**OrigClOrdID**	String	Y	ClOrdID (11) of previous order (not initial order). Assigned by firm.
44	**Price**	Price	R	Price per share. Required for limit orders (i.e., OrdType = 2 (Limit)).

47	**Rule80A**	char	-	Capacity of firm placing order. Absence of this field interpreted as 'Principal'. Must match original order capacity. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Must match original side. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Must match original symbol. Value is the Securities Identification Code Committee (SICC) code.
59	**TimeInForce**	char	-	How long order remains in effect. Absence of this field interpreted as 'Day'. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	**TransactTime**	UTC Timestamp	Y	Time order request initiated.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed. Applicable only if TimeInForce (59) = 3 (Immediate or Cancel).
Standard trailer				

10.5.9 Order Cancel Replace Reject

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 9
11	**ClOrdID**	String	Y	Unique identifier of order. Assigned by firm.
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts . Value is 'NONE' if CxlRejReason (102) = 1 (Unknown order).
39	**OrdStatus**	char	Y	Current status of order. Values: 0 = New 1 = Partially filled 2 = Filled 4 = Canceled 5 = Replaced 6 = Pending Cancel 8 = Rejected A = Pending New E = Pending Replace
41	**OrigClOrdID**	String	Y	ClOrdID (11) of previous order (not initial order). Assigned by firm.
58	**Text**	String	-	Reject reason details.

102	**CxlRejReason**	int	R	Cancel rejection reason. Values: 0 = Too late to cancel 1 = Unknown order 2 = Broker / trading venue option 3 = Order already in Pending Cancel or Pending Replace status 6 = Duplicate ClOrdID (11) received 8 = Price exceeds current price band 99 = Other
434	**CxlRejResponseTo**	char	Y	Type of request triggering Cancel Reject response. Value: 2 = Order Cancel/Replace Request
Standard trailer				

10.5.10 Execution Report – Order Replaced

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	**Account**	String	-	Account mnemonic. Assigned by firm.
6	**AvgPx**	Price	Y	Calculated average price of all fills on this order.
11	**ClOrdID**	String	R	Unique identifier of order. Assigned by firm.
14	**CumQty**	Qty	Y	Total number of shares filled.
17	**ExecID**	String	Y	Unique identifier of execution message. Assigned by Japannexts .
20	**ExecTransType**	char	Y	Transaction type. Value: 0 = New
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts .
38	**OrderQty**	Qty	R	Quantity accepted.
39	**OrdStatus**	char	Y	Current status of order. Values: 1 = Partially filled 2 = Filled 5 = Replaced
40	**OrdType**	char	R	Order type. Value: 2 = Limit
41	**OrigClOrdID**	String	R	ClOrdID (11) of previous order (not initial order). Assigned by firm.
44	**Price**	Price	R	Price per share accepted.
47	**Rule80A**	char	R	Capacity of firm placing order. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.

59	**TimeInForce**	char	R	How long order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	**TransactTime**	UTC Timestamp	R	Time when transaction represented by this message occurred.
109	**ClientID**	String	-	Identifier of order entry firm, if specified.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed.
150	**ExecType**	char	Y	Denotes specific Execution Report. Value: 5 = Replaced
151	**LeavesQty**	Qty	Y	Amount of shares open for further execution.
544	**CashMargin**	char	R	Identifies whether order is a margin order or a non-margin order. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
8214	**MarginTransaction Type**	char	-	Margin transaction type of margin order. Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.11 Execution Report – Trade

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	**Account**	String	-	Account mnemonic. Assigned by firm.
6	**AvgPx**	Price	Y	Calculated average price of all fills on this order.
11	**ClOrdID**	String	R	Unique identifier of order. Assigned by firm.
14	**CumQty**	Qty	Y	Total number of shares filled.
17	**ExecID**	String	Y	Unique identifier of execution message. Assigned by Japannexts .
20	**ExecTransType**	char	Y	Transaction type. Value: 0 = New
31	**LastPx**	Price	R	Price of this (last) fill.
32	**LastShares**	Qty	R	Quantity bought/sold on this (last) fill.
37	**OrderID**	String	Y	Unique identifier of order. Assigned by Japannexts .
38	**OrderQty**	Qty	R	Quantity accepted.
39	**OrdStatus**	char	Y	Current status of order. Values: 1 = Partially filled 2 = Filled 6 = Pending Cancel E = Pending Replace
40	**OrdType**	char	R	Order type. Value: 2 = Limit
44	**Price**	Price	R	Price per share accepted.

47	**Rule80A**	char	R	Capacity of firm placing order. Values: A = Agency P = Principal
54	**Side**	char	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	**Symbol**	String	Y	Ticker symbol. Value is the Securities Identification Code Committee (SICC) code.
59	**TimeInForce**	char	R	How long order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	**TransactTime**	UTC Timestamp	R	Time when transaction represented by this message occurred.
109	**ClientID**	String	-	Identifier of order entry firm, if specified.
110	**MinQty**	Qty	-	Minimum quantity of order to be executed.
150	**ExecType**	char	Y	Denotes specific Execution Report. Values: 1 = Partial fill 2 = Fill
151	**LeavesQty**	Qty	Y	Amount of shares open for further execution.
544	**CashMargin**	char	R	Identifies whether order is a margin order or a non-margin order. Values: 1 = Cash 2 = Margin Open 3 = Margin Close
851	**LastLiquidityInd**	int	R	Identifies whether fill is a result of a liquidity provider maker or taker. Values: 1 = Added liquidity 2 = Removed liquidity
880	**TrdMatchID**	String	R	Identifier assigned to a trade by a matching system.
8214	**MarginTransaction Type**	char	-	Margin transaction type of margin order. Values: 1 = Negotiable 2 = Standardized
Standard trailer				

10.5.12 Business Message Reject

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = j
45	**RefSeqNum**	int	-	MsgSeqNum (34) of rejected message.
58	**Text**	String	-	Reject reason details.
372	**RefMsgType**	String	Y	MsgType (35) of FIX message being referenced.
379	**BusinessRejectRefID**	String	-	ClOrdID (11) of FIX message being referenced.
380	**BusinessRejectReason**	int	Y	Reason for a Business Message Reject message. Values: 0 = Other 3 = Unsupported Message Type 5 = Conditionally Required Field Missing
Standard trailer				

10.5.13 Trading Session Status

Tag	Field name	Data type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = h
336	**TradingSessionID**	String	Y	Identifier for trading session.
339	**TradSesMode**	int	R	Trading session mode. Values: 1 = Testing 3 = Production
340	**TradSesStatus**	int	Y	State of the trading session. Values: 1 = Halted 2 = Open 3 = Closed
Standard trailer				

11 Appendix

11.1 FIX Message Format Structure

- A FIX message is a sequence of string-based fields.
- Each field consists of a tag-value pair in the format of <tag>=<value>.
- Fields are delimited by the non-printable ASCII Start of Heading (SOH) control character (0x01).
- Messages are terminated by the SOH character.

Note: For **readability purposes**, FIX messages may be presented with spaces or other ASCII characters, such as the vertical line (|) or circumflex (^), in place of the SOH character. For **transmission**, however, the SOH character is always used.

11.2 Example

(with vertical line delimiter)

- 8=FIX.4.4|9=117|35=AD|34=2|49=A|50=1|52=20100219-14:33:32.258|56=B|57=M|263=1|568=1|569=0|580=1|75=20100218|60=20100218-00:00:00.000|10=202|

12 Revision History

Date	Version	Description
2025-11-27	3.00	Document format has been revamped. Section numbers changed to accommodate new format. Amended BodyLength (9) field description: “from start of message” » “from start of MsgType (35) field”. “Quick code” changed to “Securities Identification Code Committee (SICC) code”. Other parts of the text have been reworded to improve readability. Appendix added. No other factual changes made to technical content.
2023-10-04	2.20	ExposureDuration (1629), ExposureDurationUnit (1916) and Good For Time (GFT) fields removed. Changed Tag 55’s comment to “Value is the Quick code.” from “Value is the 4 digit Quick code.”
2019-09-18	2.19	Added Good for Time (A) value to TimeInForce (59) field. Added ExposureDuration (1629) and ExposureDurationUnit (1916) fields to New Order Single, Order Cancel Replace Request and Execution Report messages. Added Good for Time order expired (103) value to ExecRestatementReason (378) field.
2019-08-07	2.18	Added CashMargin (544) values “2” and “3”. MarginTransactionType (8214) field to New Order Single and Execution Report messages.
2018-12-12	2.17	Added CashMargin (544) field to New Order Single and Execution Report messages. Added Cancel on margin restriction (102) value to ExecRestatementReason (378) field.
2018-02-28	2.16	Added Data Type column to message definition tables. Added values for boolean fields. Changed order of fields listed in header to group first three required fields. Added parenthesized tag numbers to field names appearing in comments of message definition tables. Differentiated between Incoming and Outgoing standard headers in Application Messages. Mark Price (44) field as required ‘R’ in Execution Reports. The length of ExecID (17) field changed from 30 characters to 20 characters. Edited ExecID (17) field description in section 5.3.4. OrderID (37) field removed from Order Cancel Replace Request and Order Cancel Request messages. ConfirmFlag (9119) field removed from New Order Single, Order Cancel Replace Request and Order Cancel Request messages.
2017-08-07	2.15	Removed MaxFloor (111) field from all messages.
2017-02-15	2.14	Added ‘N’ to denote when a field is required by standard FIX but not by this specification. HandlInst (21) is no longer deprecated and now marked as not required ‘N’. Price (44) field is marked as required ‘R’ in New Order Single and Order Cancel Replace Request. Added comment that BeginString (8), BodyLength (9) and MsgType (35) Always the first three fields.

2016-10-07	2.13	Added note that Price (44) field is required if specified on the order for Execution Report messages. Removed TradeDate (75) field from Execution Report – Order Status and Execution Report – Trade.
2015-06-16	2.12	VWAP market related specification moved out into separate FIX Crossing document. Removed Text (58) filed from all non-reject messages.
2015-01-22	2.11	Added Halted (1) value to the TradSesStatus (340) field. Mentioned U-Market.
2014-01-22	2.10	Merged Execution Report – Unsolicited Order Cancel into Execution Report – Order Canceled. Added ExecRestatementReason (378) field to Execution Report – Order Canceled. Reflected that TimeInForce (59) and Rule80A (47) fields are required in Execution Report messages. Removed PossResend (97) field from outgoing standard header.
2013-01-23	2.9	Added Order and Execution Identifiers section. Reflected that OrderQty (38) value in Cancel Request message is unused. Reworded Account (1), TimeInForce (59) and Rule80A (47) description. Added ClientID (109) field. Added TrdMatchID (880) field to Execution Report – Trade. Added ExecInst (18) field. Deprecated ConfirmFlag (9119) field. Updated comment about Price (44) to denote that it is not necessarily matches price ordered. Added VWAP crossing target. Added market order type. Added Execution Report – Trade Correct and Execution Report – Trade Cancel messages. Added Execution Report – Order Expired message.
2012-07-17	2.8	Added LastLiquidityInd (851) field to Execution Report – Trade. Added list of values for PTS side SubIDs. Added MinQty (110) field to Execution Report messages. Added MaxFloor (111) field to Execution Report messages. Documented expected values for the Symbol, OrderQty and Rule80A fields for cancel and amend requests. Removed Pending Replace/Cancel messages. Removed Account (1) field from the Order Cancel Reject message. Updated comment for OrderID (37) field to denote that it is not required to be preserved within the order chain. Updated comment about OrderQty (38) to denote that it does not necessarily matches quantity ordered.
2012-04-18	2.7	Added error for the suspended security case to New Order Single Reject. Removed Broker / Trading venue Option (2) error code from Cancel Reject. Incoming/outgoing messages now defined from the trading venue point of view. Fault Redundancy paragraph was moved out from Service Configuration.
2012-02-10	2.6	ClOrdID (11) limit updated.
2011-09-14	2.56	Removed Session (S) value from the TimeInForce (59) field. Added error for the price exceeded current price band case to New Order Single Reject and Cancel/Replace Reject.
2010-11-02	2.55	The comment for the Side (54) in Order Cancel/Replace Request message has been added.

2010-10-14	2.54	Added type information for CheckSum in Standard Message Trailer. Added MsgType value for Order Cancel/Replace Acknowledgement. Corrected valid values for Price in Pending Cancel. Corrected misspelling of 'Standard header' in Pending Replace. Added OrigSendingTime to Standard Message Header. Added valid value of AvgPx in New Order Reject. Removed valid value of CumQty in New Order Acknowledgement. Corrected type information for Text in Reject and Logout. Corrected misspelling of 'Boolean' in Standard Message Header. Required marker changed to N for OrderCapacity in Order Cancel/Replace Request and comment added. Re-added HandlInst to New Order – Single and Order Cancel/Replace Request, as a non-mandatory field. Comment added stating that this field has been deprecated. Corrected various misspellings in the Value and Comments of BusinessRejectReason in Business Message Reject.
2010-07-01	2.53	Added Reject message. Added Business Message Reject message. Added Order Status message. Removed OrigClOrdID (41) (Unsolicited Order Cancel). Fixed type of PossDupFlag, PossResend and ConfirmFlag. Removed Account field from Cancel and Cancel/Replace requests. It can be specified only once in the New Order Single message. Added comment about Account usage (New Order Single). Removed ClientID. Removed HandlInst. Removed TransactTime (New Order Single Reject).
2010-06-16	2.52	Added missed Account field (Unsolicited Order Cancel). Removed MsgID.
2010-05-20	2.51	Added missed OrderCapacity field (Order Cancellation Unsolicited Order Cancel).
2010-04-21	2.5	Miscellaneous OrdStatus fixups (New Order Reject, Execution Report, Cancel Reject, Cancel/Replace Reject). Made TransactTime field mandatory for the client requests (New Order Single, Cancel Request, Cancel/Replace Request). Removed LastPx, LastShares from all non-fill reports. Added missed Account filed in a few places (Cancel Request, Cancel Reject, Cancel/Replace Reject). Added missed ClientID field in a few places (Cancel Reject, Cancel/Replace Reject). Added note that Price field is required for limit orders (New Order Single, Cancel/Replace Request). Corrected OrderCapacity req'd marker to match the comment (New Order Single). Corrected "NONE" OrderID abuse (New Order Reject, Cancel Reject, Cancel/Replace Reject). Marked TradeDate field as non mandatory (Execution Report). Allowed TimeInForce be omitted (New Order Single). LeavesQty, AvgPx, CumQty are not always 0 in case of New Order Single Reject. Changed OrdRejReason to use FIX enumeration. Changed CxlRejReason to use FIX enumeration.
2010-02-18	2.4	The comment for the OrderCapacity in New Order Single message has been added. The comment for the MinQty in New Order Single message has been added. The MsgType (35) = Q (Don't Know Trade) has been removed from Standard Message Header.

2009-07-17	2.3	The TargetSubID (57) has been supported. The comment of the SenderSubID has been modified. ClOrdID (11) duplication has been checked and will be rejected if duplicated ClOrdID (11) is received. The comment of ClOrdID (11) has been modified.
2008-09-24	2.2	The comment for the MaxFloor (111) has been changed. The QrderQty (38) in OrderCancelRequest message has been changed from required field to not required.
2008-09-05	2.1	The comment for the ConfirmFlag (9119) has been changed. "Fill and Kill" has been corrected to "Fill or Kill".
2008-07-28	2.0	The ConfirmFlag (9119) has been added. Comment is added for TimeInForce (59).
2008-04-03	1.2	The TimeInForce in New Order Single message has been changed to required field. The TimeInForce in OrderCancel/Replace message has been changed to required field.
2008-01-23	1.1	Added Session (S) to TimeInForce (59).
2007-09-03	1.0	The comment of MsgID in NewOrderReject, CancelReject and Cancel/ReplaceReject has been added
2007-07-05	0.12	The comment of ClOrdID (11) has been changed to "Client assigned 40 digit unique OrderID (Japannexts PTS doesn't check the ClOrdID (11) duplication)"
2007-06-21	0.11	The value of OrderID in NewOrderReject has been changed to "NONE". The value of OrderID in CancelRejecthas been changed to "NONE". The format of SendingTime has been changed from "YYYYMMDD-HH:MM:SS" to "YYYYMMDD-HH:MM:SS.sss".
2007-05-28	0.10	The length of AvgPx has been changed from 9 digits to 15 digits. The TransactionTime has been added in NewOrderReject, NewOrderAcknowledgement, OrderCancelAcknowledgement, OrderCancel/Replace Acknowledgement and OrderCancellation message.
2007-05-21	0.9	The values which are Sell short (5) and Sell short exempt (6) have been added
2007-05-15	0.8	OrigClOrdID (41) has been added in OrderCancellation message. ExecRefID has been added in Execution Cancellation message. The value of the ExecTransType (20) has been changed to "1" in Execution Cancellation message.
2007-04-19	0.7	The SenderSubID (50) has been changed from required field to not required.
2007-04-16	0.6	Changed value 5 = Canceled of OrdStatus (39) field to 4 = Canceled. MsgType has been added in OrderCancelReject, Execution cancellation, Order Cancel/Replace Ack TagNo of SenderCompID in Standard message header has been changed from "9" to "49" TagNo of MaxFloor in New Order Single has been changed from "210" to "111" The definition has been added for Pending cancel, Pending replace The format of TradedDate in Execution Cancellation has been changed from "YYYYDDMM" to "YYYYMMDD"