

Japannext PTS FIX Trading Specification for Equities

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1. Introduction

This document explains access to the equities trading services of Japannext PTS via the FIX protocol. It describes the service's configuration and specifies the administrative and application messages. For further information and inquiries regarding trading services or for questions concerning connectivity please contact Japannext PTS Technical Support via email to: ito@japannext.co.jp.

2. Overview

FIX is an industry standard protocol widely used across financial institutions to implement electronic exchange of securities transactions. By using the FIX protocol, clients are able to access different markets and liquidity pools operated by Japannext PTS. They can enter new orders, modify or cancel existing orders, and receive execution reports in real-time.

The TCP/IP protocol is used for the point-to-point transport layer.

3. Service Configuration

Access to the Japannext PTS equities trading services can be configured to accept and maintain multiple FIX sessions per client. However only one active connection is allowed for each particular FIX session.

Every FIX session is subject to a throttling rate limit of 500 messages per second.

For any client's FIX session, the Cancel on Disconnect feature can be activated by request. If in effect, all open orders created over the FIX session being disconnected due to any reason, will be automatically withdrawn. For every withdrawn order an unsolicited cancellation message will be sent to the client upon connection re-establishment. Cancel on Disconnect is performed on a best effort basis.

4. Fault Redundancy

Japannext PTS provides a single point of connection per FIX session. A robust FIX client application must maintain sequence numbers as defined by the FIX protocol across all instances. In case of connectivity failure, connection must be re-established to the same destination. At least a one second timeout is required between re-connection attempts. Japannext PTS takes care of IP address migration during service fail-over on its side.

5. FIX Protocol

The messaging described in this specification complies to the standard FIX 4.2 protocol. For details please refer to <http://www.fixprotocol.org/specifications/FIX.4.2>.

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

5.1 Data Types and Required Fields

Field data types in this specification are the same as those defined in the standard FIX specification. However, in certain places this specification further restricts field values from those specified in the standard. All field values will be stated in the message specification details.

Fields that are marked as required in the standard FIX specification are also marked as required in this specification, denoted 'Y' in the message definitions. Exceptions to this will be marked as not required, denoted 'N'. Additionally required fields by this specification are denoted 'R'.

5.2 Limitations

This specification applies limitations on particular field lengths.

Tag	Field Name	Comments
1	Account	Limited to 16 characters.
6	AvgPx	Limited to 8 whole number digits and 4 decimal places.
11	ClOrdID	Limited to 32 characters.
14	CumQty	Limited to 9 whole number digits.
17	ExecID	Limited to 30 characters.
31	LastPx	Limited to 8 whole number digits and 1 decimal place.
32	LastShares	Limited to 9 whole number digits.
37	OrderID	Limited to 20 characters.
38	OrderQty	Limited to 9 whole number digits.
41	OrigClOrdID	Limited to 32 characters.
44	Price	Limited to 8 whole number digits and 1 decimal place.
50	SenderSubID	Limited to 10 characters.
55	Symbol	Limited to 4 characters.
57	TargetSubID	Limited to 10 characters.
109	ClientID	Limited to 9 whole number digits.
110	MinQty	Limited to 9 whole number digits.
111	MaxFloor	Limited to 9 whole number digits.
151	LeavesQty	Limited to 9 whole number digits.
336	TradingSessionID	Limited to 20 characters.

5.3 Order and Trade Identifiers

5.3.1 Client Order ID

ClOrdID validation for uniqueness is not guaranteed. Only duplication with an open or a previously executed order should be expected to be checked. Clients should comply with the FIX protocol and ensure uniqueness of ClOrdIDs across all their messages if required.

5.3.2 Order ID

OrderID is always set to the reference number assigned to the order by the trading system. Since this number may be revisited by the system during an order's lifetime, an order's OrderID may change however it will still be unique.

5.3.3 Trade Match ID

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

5.3.4 Execution ID

ExecID generation is based on an internal transaction number which is unique within the trading system. However, if a client crosses themselves on a trade then the buy and sell executions will have the same ExecID.

6. FIX Session Management

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

At log on clients are identified by their SenderCompID.

Clients are required to log on to the service using the log on message. Once logged on, clients will need to send heartbeat messages to keep the session active.

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

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

7. FIX Messages

7.1 Standard Header – Incoming Messages

Tag	Field Name	Req'd	Comments
8	BeginString	Y	Identifies beginning of new message and protocol version. Must be first field in message. Value is FIX.4.2.
9	BodyLength	Y	Message length, in bytes, forward to the CheckSum field. Must be second field in message.
34	MsgSeqNum	Y	Integer message sequence number.
35	MsgType	Y	Defines message type. Must be third field in message.
43	PossDupFlag		Indicates possible retransmission of message with this sequence number.
49	SenderCompID	Y	Used to identify firm sending message. As assigned by Japannext PTS.
50	SenderSubID		Assigned value used to identify specific message originator.
52	SendingTime	Y	Time of message transmission (always expressed in UTC).
56	TargetCompID	Y	Used to identify receiving firm. As assigned by Japannext PTS.
57	TargetSubID		Assigned value used to identify specific individual or unit intended to receive message. If this field is omitted, the default value for the session will be used. Values: DAY = Daytime J-Market NGHT = Nighttime J-Market DAYX = X-Market DAYU = U-Market
97	PossResend		Indicates that message may contain information that has been sent under another sequence number.
122	OrigSendingTime		Original time of message transmission (always expressed in UTC).

7.2 Standard Header – Outgoing Messages

Tag	Field Name	Req'd	Comments
8	BeginString	Y	Identifies beginning of new message and protocol version. Always first field in message. Value is FIX.4.2.
9	BodyLength	Y	Message length, in bytes, forward to the CheckSum field. Always second field in message.
34	MsgSeqNum	Y	Integer message sequence number.
35	MsgType	Y	Defines message type. Always third field in message.
49	SenderCompID	Y	Used to identify firm sending message. As assigned by Japannext PTS.
50	SenderSubID		Assigned value used to identify specific message originator. Values: DAY = Daytime J-Market NGHT = Nighttime J-Market DAYX = X-Market DAYU = U-Market
52	SendingTime	Y	Time of message transmission (always expressed in UTC).

Tag	Field Name	Req'd	Comments
56	TargetCompID	Y	Used to identify receiving firm. As assigned by Japannext PTS.
57	TargetSubID		Assigned value used to identify specific individual or unit intended to receive message.
122	OrigSendingTime		Original time of message transmission (always expressed in UTC).

7.3 Standard Trailer

Tag	Field Name	Req'd	Comments
10	Checksum	Y	Three byte, simple checksum.

7.4 Administrative Messages

7.4.1 Logon

Tag	Field Name	Req'd	Comments
Standard header			MsgType = A
98	EncryptMethod	Y	Method of encryption. Not supported. Values: 0 = None / other
108	HeartBtInt	Y	Heartbeat interval (seconds). Recommended value is 30 seconds.
141	ResetSeqNumFlag		Indicates that both sides of the FIX session should reset sequence numbers.
Standard trailer			

7.4.2 Heartbeat

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 0
112	TestReqID		Required when the heartbeat is the result of a Test Request message.
Standard trailer			

7.4.3 Test Request

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 1
112	TestReqID	Y	Identifier to be returned in resulting Heartbeat.
Standard trailer			

7.4.4 Resend Request

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 2
7	BeginSeqNo	Y	Message sequence number of first message in range to be resent.
16	EndSeqNo	Y	Message sequence number of last message in range to be resent.
Standard trailer			

7.4.5 Reject

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 3
45	RefSeqNum	Y	The MsgSeqNum of the FIX message being referenced.
58	Text		Text message explaining reject reason.
371	RefTagID		The tag number of the FIX field being referenced.
372	RefMsgType		The MsgType of the FIX message being referenced.
373	SessionRejectReason		Code to identify reason for a 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 accuracy problem 11 = Invalid MsgType
Standard trailer			

7.4.6 Sequence Reset

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 4
36	NewSeqNo	Y	New sequence number.
123	GapFillFlag		Indicates replacing administrative or application messages which will not be resent.
Standard trailer			

7.4.7 Logout

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 5
58	Text		Text message explaining logout reason.
Standard trailer			

7.5 Application Messages

7.5.1 New Order Single

Tag	Field Name	Req'd	Comments
Standard header			MsgType = D
1	Account		Account mnemonic as agreed between the institution and Japannext PTS. Required when this order is assigned an account.
11	ClOrdID	Y	Unique identifier for the order as assigned by the institution.
18	ExecInst		Instructions for order handling on exchange trading floor. If more than one instruction is applicable to an order, this field can contain multiple instructions separated by space. 6 = Participate don't initiate (post-only) x = Ignore notional value checks

Tag	Field Name	Req'd	Comments
21	HandlInst	N	Instructions for order handling on Broker trading floor. This field is not required. Values: 1 = Automated execution order, private, no Broker intervention
38	OrderQty	R	Quantity ordered.
40	OrdType	Y	Order type. Values: 2 = Limit
44	Price	R	Price per share. Required for limit orders, i.e. if OrdType = 2 (Limit).
47	Rule80A		Designates the capacity of the firm placing the order. Absence of this field is interpreted as Principal. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
59	TimeInForce		Specifies how long the order remains in effect. Absence of this field is interpreted as Day. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	Y	Time of request (expressed in UTC).
109	ClientID		Firm identifier for the order entry firm. This field should be omitted unless specifying a client's MPID.
110	MinQty		Minimum quantity of an order to be executed. Only to be used in conjunction with TimeInForce = 3 (Immediate or Cancel).
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
9119	ConfirmFlag		Deprecated. Use ExecInst = x (Ignore notional value checks).
Standard trailer			

7.5.2 Execution Report – Order Rejected

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 8
1	Account		Account mnemonic as agreed between the institution and Japannext PTS.
6	AvgPx	Y	Calculated average price of all fills on this order.
11	ClOrdID	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Y	Total number of shares filled.
17	ExecID	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	Y	Identifies transaction type. Values: 0 = New
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS. Value is NONE if OrdRejReason ≠ 6 (Duplicate Order).
38	OrderQty	R	Quantity ordered.

Tag	Field Name	Req'd	Comments
39	OrdStatus	Y	Identifies current status of this 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	R	Order type. Values: 2 = Limit
44	Price		Price per share entered. Required if specified on the order.
47	Rule80A	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
58	Text		Text message explaining reject reason.
59	TimeInForce	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
103	OrdRejReason	R	Code to identify reason for order rejection. Values: 0 = Broker / Exchange option 1 = Unknown symbol 2 = Exchange closed 3 = Order exceeds limit 6 = Duplicate Order (e.g. dupe CLOrdID) 8 = Stale order 11 = Unsupported order characteristic 12 = Surveillance Option 13 = Incorrect quantity 16 = Price exceeds current price band 99 = Other
109	ClientID		Firm identifier for the order entry firm if specified.
110	MinQty		Minimum quantity of an order to be executed.
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
150	ExecType	Y	Describes the specific Execution Report. Values: 8 = Rejected
151	LeavesQty	Y	Amount of shares open for further execution.
Standard trailer			

7.5.3 Execution Report – Order Accepted

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 8
1	Account		Account mnemonic as agreed between the institution and Japannext PTS.
6	AvgPx	Y	Calculated average price of all fills on this order. Value is 0.
11	ClOrdID	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Y	Total number of shares filled. Value is 0.
17	ExecID	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	Y	Identifies transaction type. Values: 0 = New
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	Quantity accepted.
39	OrdStatus	Y	Identifies current status of this order. Values: 0 = New
40	OrdType	R	Order type. Values: 2 = Limit
44	Price		Price per share accepted. Required if specified on the order.
47	Rule80A	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
59	TimeInForce	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	R	Time of order creation (expressed in UTC).
109	ClientID		Firm identifier for the order entry firm if specified.
110	MinQty		Minimum quantity of an order to be executed.
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
150	ExecType	Y	Describes the specific Execution Report. Values: 0 = New
151	LeavesQty	Y	Amount of shares open for further execution. Value is the same as that of OrderQty.
Standard trailer			

7.5.4 Execution Report – Order Status

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 8
1	Account		Account mnemonic as agreed between the institution and Japannext PTS.
6	AvgPx	Y	Calculated average price of all fills on this order.
11	ClOrdID	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Y	Total number of shares filled.
17	ExecID	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	Y	Identifies transaction type. Values: 3 = Status
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	Quantity accepted.
39	OrdStatus	Y	Identifies current status of this 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	R	Order type. Values: 2 = Limit
44	Price		Price per share accepted. Required if specified on the order.
47	Rule80A	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
59	TimeInForce	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
109	ClientID		Firm identifier for the order entry firm if specified.
110	MinQty		Minimum quantity of an order to be executed.
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
150	ExecType	Y	Describes the specific Execution Report. Values: I = Order Status
151	LeavesQty	Y	Amount of shares open for further execution.

Tag	Field Name	Req'd	Comments
Standard trailer			

7.5.5 Order Cancel Request

Tag	Field Name	Req'd	Comments
Standard header			MsgType = F
11	ClOrdID	Y	Unique identifier for the order as assigned by the institution.
37	OrderID		Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	Value will be ignored. Recommended to set to the current total order quantity (including the amount already executed for this chain of orders).
41	OrigClOrdID	Y	ClOrdID of the previous order (not the initial order) as assigned by the institution.
54	Side	Y	Side of order. Must match original side. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Must match original symbol. Value is the 4 digit Quick code.
60	TransactTime	Y	Time of request (expressed in UTC).
Standard trailer			

7.5.6 Order Cancel Reject

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 9
11	ClOrdID	Y	Unique identifier for the order as assigned by the institution.
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS. Value is NONE if CxlRejReason = 1 (Unknown order).
39	OrdStatus	Y	Identifies current status of this 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	Y	ClOrdID of the previous order (not the initial order) as assigned by the institution.
58	Text		Text message explaining reject reason.
102	CxlRejReason	R	Code to identify reason for cancel rejection. 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	Y	Identifies the type of request that a Cancel Reject is in response to. Values: 1 = Order Cancel Request

Tag	Field Name	Req'd	Comments
Standard trailer			

7.5.7 Execution Report – Order Canceled

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 8
1	Account		Account mnemonic as agreed between the institution and Japannext PTS.
6	AvgPx	Y	Calculated average price of all fills on this order.
11	ClOrdID	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Y	Total number of shares filled.
17	ExecID	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	Y	Identifies transaction type. Values: 0 = New
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	Quantity accepted.
39	OrdStatus	Y	Identifies current status of this order. Values: 4 = Canceled
40	OrdType	R	Order type. Values: 2 = Limit
41	OrigClOrdID		ClOrdID of the previous order (not the initial order) as assigned by the institution.
44	Price		Price per share accepted. Required if specified on the order.
47	Rule80A	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
59	TimeInForce	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	R	Time of order cancellation (expressed in UTC).
109	ClientID		Firm identifier for the order entry firm if specified.
110	MinQty		Minimum quantity of an order to be executed.
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
150	ExecType	Y	Describes the specific Execution Report. Values: 4 = Canceled

Tag	Field Name	Req'd	Comments
151	LeavesQty	Y	Amount of shares open for further execution. Value is 0.
378	ExecRestatementReason		Code to identify reason for unsolicited cancel. Values: 2 = Verbal change 12 = Cancel on connection loss 99 = Other 100 = Trade prevention
Standard trailer			

7.5.8 Order Cancel Replace Request

Tag	Field Name	Req'd	Comments
Standard header			MsgType = G
11	ClOrdID	Y	Unique identifier for the order as assigned by the institution.
18	ExecInst		Instructions for order handling on exchange trading floor. If more than one instruction is applicable to an order, this field can contain multiple instructions separated by space. 6 = Participate don't initiate (post-only) x = Ignore notional value checks
21	HandlInst	N	Instructions for order handling on Broker trading floor. This field is not required. Values: 1 = Automated execution order, private, no Broker intervention
37	OrderID		Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	The new intended total order quantity (including the amount already executed for this chain of orders).
40	OrdType	Y	Order type. Values: 2 = Limit
41	OrigClOrdID	Y	ClOrdID of the previous order (not the initial order) as assigned by the institution.
44	Price	R	Price per share. Required for limit orders, i.e. if OrdType = 2 (Limit).
47	Rule80A		Designates the capacity of the firm placing the order. Absence of this field is interpreted as Principal. Must match original order capacity. Values: A = Agency P = Principal
54	Side	Y	Side of order. Must stay on the same side. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Must match original symbol. Value is the 4 digit Quick code.
59	TimeInForce		Specifies how long the order remains in effect. Absence of this field is interpreted as Day. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	Y	Time of request (expressed in UTC).
110	MinQty		Minimum quantity of an order to be executed. Only to be used in conjunction with TimeInForce = 3 (Immediate or Cancel).
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.

Tag	Field Name	Req'd	Comments
9119	ConfirmFlag		Deprecated. Use ExecInst = x (Ignore notional value checks).
Standard trailer			

7.5.9 Order Cancel Replace Reject

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 9
11	ClOrdID	Y	Unique identifier for the order as assigned by the institution.
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS. Value is NONE if CxlRejReason = 1 (Unknown order).
39	OrdStatus	Y	Identifies current status of this 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	Y	ClOrdID of the previous order (not the initial order) as assigned by the institution.
58	Text		Text message explaining reject reason.
102	CxlRejReason	R	Code to identify reason for cancel rejection. Values: 0 = Too late to cancel 1 = Unknown order 2 = Broker / Exchange 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	Y	Identifies the type of request that a Cancel Reject is in response to. Values: 2 = Order Cancel/Replace Request
Standard trailer			

7.5.10 Execution Report – Order Replaced

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 8
1	Account		Account mnemonic as agreed between the institution and Japannext PTS.
6	AvgPx	Y	Calculated average price of all fills on this order.
11	ClOrdID	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Y	Total number of shares filled.
17	ExecID	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	Y	Identifies transaction type. Values: 0 = New
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	Quantity accepted.

Tag	Field Name	Req'd	Comments
39	OrdStatus	Y	Identifies current status of this order. Values: 1 = Partially filled 2 = Filled 5 = Replaced
40	OrdType	R	Order type. Values: 2 = Limit
41	OrigClOrdID	R	ClOrdID of the previous order (not the initial order) as assigned by the institution.
44	Price		Price per share accepted. Required if specified on the order.
47	Rule80A	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
59	TimeInForce	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	R	Time of order modification (expressed in UTC).
109	ClientID		Firm identifier for the order entry firm if specified.
110	MinQty		Minimum quantity of an order to be executed.
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
150	ExecType	Y	Describes the specific Execution Report. Values: 5 = Replaced
151	LeavesQty	Y	Amount of shares open for further execution.
Standard trailer			

7.5.11 Execution Report – Trade

Tag	Field Name	Req'd	Comments
Standard header			MsgType = 8
1	Account		Account mnemonic as agreed between the institution and Japannext PTS.
6	AvgPx	Y	Calculated average price of all fills on this order.
11	ClOrdID	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Y	Total number of shares filled.
17	ExecID	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	Y	Identifies transaction type. Values: 0 = New
31	LastPx	R	Price of this (last) fill.

Tag	Field Name	Req'd	Comments
32	LastShares	R	Number of shares bought/sold on this (last) fill.
37	OrderID	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	R	Quantity accepted.
39	OrdStatus	Y	Identifies current status of this order. Values: 1 = Partially filled 2 = Filled 6 = Pending Cancel E = Pending Replace
40	OrdType	R	Order type. Values: 2 = Limit
44	Price		Price per share accepted. Required if specified on the order.
47	Rule80A	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	Y	Side of order. Values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
55	Symbol	Y	Ticker symbol. Value is the 4 digit Quick code.
59	TimeInForce	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	R	Time of trade (expressed in UTC).
109	ClientID		Firm identifier for the order entry firm if specified.
110	MinQty		Minimum quantity of an order to be executed.
111	MaxFloor		Maximum number of shares within an order to be shown on the exchange floor at any given time.
150	ExecType	Y	Describes the specific Execution Report. Values: 1 = Partial fill 2 = Fill
151	LeavesQty	Y	Amount of shares open for further execution.
851	LastLiquidityInd	R	Indicator to identify whether this fill was a result of a liquidity provider providing or liquidity taker taking the liquidity. Values: 1 = Added liquidity 2 = Removed liquidity
880	TrdMatchID	R	Identifier assigned to a trade by a matching system.
Standard trailer			

7.5.12 Business Message Reject

Tag	Field Name	Req'd	Comments
Standard header			MsgType = j

Tag	Field Name	Req'd	Comments
45	RefSeqNum		The MsgSeqNum of the FIX message being referenced.
58	Text		Text message explaining reject reason.
372	RefMsgType	Y	The MsgType of the FIX message being referenced.
379	BusinessRejectRefID		The ClOrdID of the FIX message being referenced.
380	BusinessRejectReason	Y	Code to identify reason for a Business Message Reject message. Values: 0 = Other 3 = Unsupported Message Type 5 = Conditionally Required Field Missing
Standard trailer			

7.5.13 Trading Session Status

Tag	Field Name	Req'd	Comments
Standard header			MsgType = h
336	TradingSessionID	Y	Identifier for Trading Session.
339	TradSesMode	R	Trading Session Mode. Values: 1 = Testing 3 = Production
340	TradSesStatus	Y	State of the trading session. Values: 1 = Halted 2 = Open 3 = Closed
Standard trailer			

Revision History

Date	Version	Description
2007-04-16	0.6	<ul style="list-style-type: none"> - Execution cancellation the value "5: Canceled" of OrdStatus has been changed 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"
2007-04-19	0.7	<ul style="list-style-type: none"> - The SenderSubID has been changed from required field to not required.
2007-05-15	0.8	<ul style="list-style-type: none"> - OrigClOrdID has been added in OrderCancellation message. - ExecRefID has been added in Execution Cancellation message. - The value of the ExecTransType has been changed to "1" in Execution Cancellation message.
2007-05-21	0.9	<ul style="list-style-type: none"> - The values which are Sell short (5) and Sell short exempt (6) have been added
2007-05-28	0.10	<ul style="list-style-type: none"> - 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.
2007-06-21	0.11	<ul style="list-style-type: none"> - The value of OrderID in NewOrderReject has been changed to "NONE". - The value of OrderID in CancelReject has been changed to "NONE". - The format of SendingTime has been changed from "YYYYMMDD-HH:MM:SS" to "YYYYMMDD-HH:MM:SS.sss".
2007-07-05	0.12	<ul style="list-style-type: none"> - The comment of ClOrdID has been changed to "Client assigned 40 digit unique OrderID (Japannext PTS doesn't check the ClOrdID duplication)"
2007-09-03	1.0	<ul style="list-style-type: none"> - The comment of MsgID in NewOrderReject, CancelReject and Cancel/ReplaceReject has been added
2008-01-23	1.1	<ul style="list-style-type: none"> - Added Session (S) to TimeInForce (59).
2008-04-03	1.2	<ul style="list-style-type: none"> - 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.
2008-07-28	2.0	<ul style="list-style-type: none"> - The ConfirmFlag (9119) has been added. - Comment is added for TimeInForce (59).
2008-09-05	2.1	<ul style="list-style-type: none"> - The comment for the ConfirmFlag (9119) has been changed. - "Fill and Kill" has been corrected to "Fill or Kill".
2008-09-24	2.2	<ul style="list-style-type: none"> - The comment for the MaxFloor (111) has been changed. - The QrderQty (38) in OrderCancelRequest message has been changed from required field to not required.
2009-07-17	2.3	<ul style="list-style-type: none"> - The TargetSubID (57) has been supported. - The comment of the SenderSubID has been modified. - ClOrdID duplication has been checked and will be rejected if duplicated ClOrdID is received. - The comment of ClOrdID has been modified.
2010-02-18	2.4	<ul style="list-style-type: none"> - 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.

Date	Version	Description
2010-04-21	2.5	<ul style="list-style-type: none"> - 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 field in a few places (Cancel Request, Cacancel 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.
2010-05-20	2.51	<ul style="list-style-type: none"> - Added missed OrderCapacity field (Order Cancellation Unsolicited Order Cancel).
2010-06-16	2.52	<ul style="list-style-type: none"> - Added missed Account field (Unsolicited Order Cancel). - Removed MsgID.
2010-07-01	2.53	<ul style="list-style-type: none"> - Added Reject message. - Added Business Message Reject message. - Added Order Status message. - Removed OrigClOrdID (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).
2010-10-14	2.54	<ul style="list-style-type: none"> - 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.
2010-11-02	2.55	<ul style="list-style-type: none"> - The comment for the Side (54) in Order Cancel/Replace Request message has been added.
2011-09-14	2.56	<ul style="list-style-type: none"> - Removed Session (S) value from the TimeInForce (59) enumeration. - Added error for the price exceeded current price band case to New Order Single Reject and Cancel/Replace Reject.
2012-02-10	2.6	<ul style="list-style-type: none"> - ClOrdID limit updated.
2012-04-18	2.7	<ul style="list-style-type: none"> - Added error for the suspended security case to New Order Single Reject. - Removed Broker / Exchange Option (2) error code from Cancel Reject. - Incoming/outgoing messages now defined from the exchange point of view. - Fault Redundancy paragraph was moved out from Service Configuration.

Date	Version	Description
2012-07-17	2.8	<ul style="list-style-type: none"> - 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 is not necessarily matches quantity ordered.
2013-01-23	2.9	<ul style="list-style-type: none"> - 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.
2014-01-22	2.10	<ul style="list-style-type: none"> - 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.
2015-01-22	2.11	<ul style="list-style-type: none"> - Added Halted(1) value to the TradSesStatus(340) enumeration. - Mentioned U-Market.
2015-06-16	2.12	<ul style="list-style-type: none"> - VWAP market related specification moved out into separate FIX Crossing document. - Removed Text (58) field from all non-reject messages.
2016-10-07	2.13	<ul style="list-style-type: none"> - Added note that Price (44) field is required if specified on the order for Execution Reports. - Removed TradeDate (75) field from Execution Report – Order Status and Execution Report – Trade.
2017-02-15	2.14	<ul style="list-style-type: none"> - 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) is marked as required 'R' in New Order Single and Order Cancel Replace Request. - Added comment that BeginString (8), BodyLength (9) and MsgType (35) must be the first three fields.