Japannext JNX

FIX Trading Specification for Bonds

Version 1.2
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1. Introduction

This document explains access to the bonds 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 bonds 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.

The Cancel on Disconnect feature can be activated by request for any client's FIX session. If Cancel on Disconnect is active, all open orders created over the FIX session that is subsequently disconnected due to any reason will be automatically withdrawn. For every withdrawn order an unsolicited cancellation message will be sent to the client upon connection re-establishment.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. A timeout of at least one second 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 with 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 required in this specification, denoted 'Y' in the message definitions. Exceptions to this are marked as not required, denoted 'N'. Additional required fields of this specification over the standard are denoted 'R'.

5.2 Limitations

This specification applies limitations on particular field lengths.

Tag	Field Name	Data Type	Comments
1	Account	String	Limited to 10 characters.
6	AvgPx	Price	Limited to 6 whole number digits and 6 decimal places.
11	ClOrdID	String	Limited to 32 characters.
14	CumQty	Qty	Limited to 9 whole number digits.
17	ExecID	String	Limited to 20 characters.
31	LastPx	Price	Limited to 6 whole number digits and 3 decimal places.
32	LastShares	Qty	Limited to 9 whole number digits.
37	OrderID	String	Limited to 20 characters.
38	OrderQty	Qty	Limited to 9 whole number digits.
41	OrigClOrdID	String	Limited to 32 characters.
44	Price	Price	Limited to 6 whole number digits and 3 decimal places.
50	SenderSubID	String	Limited to 30 characters for incoming messages and 4 characters for outgoing messages.
55	Symbol	String	Limited to 9 digits.
57	TargetSubID	String	Limited to 4 characters for incoming messages and 30 characters for outgoing messages.
109	ClientID	String	Limited to 9 digits.
110	MinQty	Qty	Limited to 9 whole number digits.
151	LeavesQty	Qty	Limited to 9 whole number digits.
336	TradingSessionID	String	Limited to 20 characters.
375	ContraBroker	String	Limited to 12 characters.
880	TrdMatchID	String	Limited to 20 characters.

5.3 Order and Trade Identifiers

5.3.1 Client Order ID

ClOrdID validation for uniqueness is not guaranteed. Duplication with open orders will be checked. Clients should comply with the FIX protocol and ensure uniqueness of ClOrdIDs across all their messages.

5.3.2 Order ID

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

5.3.4 Execution ID

ExecID uniqueness is only guaranteed per individual FIX session.

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 SenderCompID and TargetCompID will be rejected.

At logon, clients are identified by their SenderCompID.

Clients are required to log on to the service using the logon 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 are issued upon application completion.

7. FIX Messages

7.1 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, forward to 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 with this sequence number. Values: Y = Possible duplicate N = Original transmission
49	SenderCompID	String	Y	Used to identify firm sending message. As assigned by Japannext PTS.
50	SenderSubID	String		Assigned value used to identify specific message originator.
52	SendingTime	UTC Timestamp	Y	Time of message transmission (always expressed in UTC).
56	TargetCompID	String	Y	Used to identify receiving firm. As assigned by Japannext PTS.
57	TargetSubID	String		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: DJGB = JGB Market
97	PossResend	Boolean		Indicates that message may contain information that has been sent under another sequence number. Values: Y = Possible resend N = Original transmission
115	OnBehalfOfCompID	String		Used to identify firm originating message if the message was delivered by a third party i.e. the third party firm identifier would be delivered in the SenderCompID (49) field. As assigned by Japannext PTS.
122	OrigSendingTime	UTC Timestamp		Original time of message transmission (always expressed in UTC).

7.2 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, forward to 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	Used to identify firm sending message. As assigned by Japannext PTS.
50	SenderSubID	String		Assigned value used to identify specific message originator. Values: DJGB = JGB Market
52	SendingTime	UTC Timestamp	Y	Time of message transmission (always expressed in UTC).
56	TargetCompID	String	Y	Used to identify receiving firm. As assigned by Japannext PTS.
57	TargetSubID	String		Assigned value used to identify specific individual or unit intended to receive message.
122	OrigSendingTime	UTC Timestamp		Original time of message transmission (always expressed in UTC).
128	DeliverToCompID	String		Used to identify the firm targeted to receive the message if the message is delivered by a third party i.e. the third party firm identifier would be delivered in the TargetCompID field. As assigned by Japannext PTS.

7.3 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.

7.4 Administrative Messages

7.4.1 Logon

Tag	Field Name	Data Type	Req'd	Comments
Standard header				MsgType (35) = A
98	EncryptMethod	int	Y	Method of encryption. Not supported. Values: 0 = None / other
108	HeartBtInt	int	Y	Heartbeat interval (seconds). Recommended value is 30 seconds.
141	ResetSeqNumFlag	Boolean		Indicates that both sides of the FIX session should reset sequence numbers. Values: Y = Yes, reset sequence numbers N = No
Standard trailer				

7.4.2 Heartbeat

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

7.4.3 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				

7.4.4 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 resent.
16	EndSeqNo	int	Y	Message sequence number of last message in range to be resent.
Standard trailer				

7.4.5 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		Message explaining reject reason.
371	RefTagID	int		The tag number of the FIX field being referenced.
372	RefMsgType	String		The MsgType (35) of the FIX message being referenced.
373	SessionRejectReason	int		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 (52) accuracy problem 11 = Invalid MsgType (35)
Standard trailer				

7.4.6 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 resent. Values: Y = Gap Fill message, MsgSeqNum (34) field valid N = Sequence Reset, ignore MsgSeqNum (34)
Standard trailer				

7.4.7 Logout

Tag	Field Name	Data Type	Req'd	Comments
Standard header				MsgType (35) = 5
58	Text	String		Message explaining logout reason.
Standard trailer				

7.5 Application Messages

7.5.1 New Order Single

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Incoming				MsgType (35) = D
1	Account	String		Account mnemonic as assigned by the institution.
11	ClOrdID	String	Y	Unique identifier for the order as assigned by the institution.
18	ExecInst	Multiple ValueString		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	char	N	Instructions for order handling on Broker trading floor. Values: 1 = Automated execution order, private, no Broker intervention
38	OrderQty	Qty	R	Quantity ordered.
40	OrdType	char	Y	Order type. Values: 2 = Limit
44	Price	Price	R	Yield per bond. Required for limit orders, OrdType (40) = 2 (Limit).
47	Rule80A	char		Designates the capacity of the firm placing the order. Absence of this field is interpreted as Principal. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell

Tag	Field Name	Data Type	Req'd	Comments
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
59	TimeInForce	char		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	UTC Timestamp	Y	Time this order request was initiated.
109	ClientID	String		Firm identifier for the order entry firm. This field should be omitted unless specifying a client's MPID.
110	MinQty	Qty		Minimum quantity of an order to be executed. Only to be used in conjunction with TimeInForce (59) = 3 (Immediate or Cancel).
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.2 Execution Report – Order Rejected

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	Account	String		Account mnemonic as assigned by the institution.
6	AvgPx	Price	Y	Calculated average yield of all fills on this order.
11	ClOrdID	String	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Qty	Y	Total number of bonds filled.
17	ExecID	String	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	char	Y	Identifies transaction type. Values: 0 = New
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS. Value is NONE if OrdRejReason (103) ≠ 6 (Duplicate Order).
38	OrderQty	Qty	R	Quantity ordered.
39	OrdStatus	char	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	char	R	Order type. Values: 2 = Limit
44	Price	Price	R	Yield per bond entered.

Tag	Field Name	Data Type	Req'd	Comments
47	Rule80A	char	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
58	Text	String		Message explaining reject reason.
59	TimeInForce	char	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
103	OrdRejReason	int	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. 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		Firm identifier for the order entry firm if specified.
110	MinQty	Qty		Minimum quantity of an order to be executed.
150	ExecType	char	Y	Describes the specific Execution Report. Values: 8 = Rejected
151	LeavesQty	Qty	Y	Amount of bonds open for further execution.
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.3 Execution Report – Order Accepted

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	Account	String		Account mnemonic as assigned by the institution.
6	AvgPx	Price	Y	Calculated average price of all fills on this order. Value is 0.
11	ClOrdID	String	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Qty	Y	Total number of bonds filled. Value is 0.
17	ExecID	String	Y	Unique identifier of execution message as assigned by Japannext PTS.

Tag	Field Name	Data Type	Req'd	Comments
20	ExecTransType	char	Y	Identifies transaction type. Values: 0 = New
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	Qty	R	Quantity accepted.
39	OrdStatus	char	Y	Identifies current status of this order. Values: 0 = New
40	OrdType	char	R	Order type. Values: 2 = Limit
44	Price	Price	R	Price per bond accepted.
47	Rule80A	char	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
59	TimeInForce	char	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	UTC Timestamp	R	Time the transaction represented by this message occurred.
109	ClientID	String		Firm identifier for the order entry firm if specified.
110	MinQty	Qty		Minimum quantity of an order to be executed.
150	ExecType	char	Y	Describes the specific Execution Report. Values: 0 = New
151	LeavesQty	Qty	Y	Amount of bonds open for further execution. Value is the same as that of OrderQty (38).
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.4 Execution Report – Order Status

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	Account	String		Account mnemonic as assigned by the institution.
6	AvgPx	Price	Y	Calculated average yield of all fills on this order.
11	ClOrdID	String	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Qty	Y	Total number of bonds filled.

Tag	Field Name	Data Type	Req'd	Comments
17	ExecID	String	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	char	Y	Identifies transaction type. Values: 3 = Status
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	Qty	R	Quantity accepted.
39	OrdStatus	char	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	char	R	Order type. Values: 2 = Limit
44	Price	Price	R	Price per bond accepted.
47	Rule80A	char	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
59	TimeInForce	char	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	Qty		Minimum quantity of an order to be executed.
150	ExecType	char	Y	Describes the specific Execution Report. Values: I = Order Status
151	LeavesQty	Qty	Y	Amount of bonds open for further execution.
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.5 Order Cancel Request

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Incoming				MsgType (35) = F

Tag	Field Name	Data Type	Req'd	Comments
11	ClOrdID	String	Y	Unique identifier for the order as assigned by the institution.
38	OrderQty	Qty	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	String	Y	ClOrdID (11) of the previous order (not the initial order) as assigned by the institution.
54	Side	char	Y	Side of order. Must match original side. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Must match original symbol. Value is the bond code per SICC definition.
60	TransactTime	UTC Timestamp	Y	Time this order request was initiated .
Standard trailer				

7.5.6 Order Cancel Reject

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 9
11	ClOrdID	String	Y	Unique identifier for the order as assigned by the institution.
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS. Value is NONE if CxlRejReason (102) = 1 (Unknown order).
39	OrdStatus	char	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	String	Y	ClOrdID (11) of the previous order (not the initial order) as assigned by the institution.
58	Text	String		Message explaining reject reason.
102	CxlRejReason	int	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	char	Y	Identifies the type of request that a Cancel Reject is in response to. Values: 1 = Order Cancel Request
Standard trailer				

7.5.7 Execution Report – Order Canceled

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8

Tag	Field Name	Data Type	Req'd	Comments
1	Account	String		Account mnemonic as assigned by the institution.
6	AvgPx	Price	Y	Calculated average yield of all fills on this order.
11	ClOrdID	String	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Qty	Y	Total number of bonds filled.
17	ExecID	String	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	char	Y	Identifies transaction type. Values: 0 = New
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	Qty	R	Quantity accepted.
39	OrdStatus	char	Y	Identifies current status of this order. Values: 4 = Canceled
40	OrdType	char	R	Order type. Values: 2 = Limit
41	OrigClOrdID	String		ClOrdID (11) of the previous order (not the initial order) as assigned by the institution.
44	Price	Price	R	Price per bond accepted.
47	Rule80A	char	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
59	TimeInForce	char	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	UTC Timestamp	R	Time the transaction represented by this message occurred.
109	ClientID	String		Firm identifier for the order entry firm if specified.
110	MinQty	Qty		Minimum quantity of an order to be executed.
150	ExecType	char	Y	Describes the specific Execution Report. Values: 4 = Canceled
151	LeavesQty	Qty	Y	Amount of bonds open for further execution. Value is 0.
378	ExecRestatement Reason	int		Code to identify reason for unsolicited cancel. Values: 2 = Verbal change 7 = Cancel on System Failure 12 = Cancel on connection loss 99 = Other 100 = Trade prevention

Tag	Field Name	Data Type	Req'd	Comments
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.8 Order Cancel Replace Request

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Incoming				MsgType (35) = G
11	ClOrdID	String	Y	Unique identifier for the order as assigned by the institution.
18	ExecInst	Multiple ValueString		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	char	N	Instructions for order handling on Broker trading floor. Values: 1 = Automated execution order, private, no Broker intervention
38	OrderQty	Qty	R	The new intended total order quantity (including the amount already executed for this chain of orders).
40	OrdType	char	Y	Order type. Values: 2 = Limit
41	OrigClOrdID	String	Y	ClOrdID (11) of the previous order (not the initial order) as assigned by the institution.
44	Price	Price	R	Yield per bond. Required for limit orders, i.e. if OrdType = 2 (Limit).
47	Rule80A	char		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	char	Y	Side of order. Must match original side. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Must match original symbol. Value is the bond code per SICC definition.
59	TimeInForce	char		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	UTC Timestamp	Y	Time this order request was initiated.
110	MinQty	Qty		Minimum quantity of an order to be executed. Only to be used in conjunction with TimeInForce (59) = 3 (Immediate or Cancel).
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.9 Order Cancel Replace Reject

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 9
11	ClOrdID	String	Y	Unique identifier for the order as assigned by the institution.
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS. Value is NONE if CxlRejReason (102) = 1 (Unknown order).
39	OrdStatus	char	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	String	Y	ClOrdID (11) of the previous order (not the initial order) as assigned by the institution.
58	Text	String		Message explaining reject reason.
102	CxlRejReason	int	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	char	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	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	Account	String		Account mnemonic as assigned by the institution.
6	AvgPx	Price	Y	Calculated average yield of all fills on this order.
11	ClOrdID	String	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Qty	Y	Total number of bonds filled.
17	ExecID	String	Y	Unique identifier of execution message as assigned by Japannext PTS.
20	ExecTransType	char	Y	Identifies transaction type. Values: 0 = New
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	Qty	R	Quantity accepted.

Tag	Field Name	Data Type	Req'd	Comments
39	OrdStatus	char	Y	Identifies current status of this order. Values: 1 = Partially filled 2 = Filled 5 = Replaced
40	OrdType	char	R	Order type. Values: 2 = Limit
41	OrigClOrdID	String	R	ClOrdID (11) of the previous order (not the initial order) as assigned by the institution.
44	Price	Price	R	Yield per bond accepted.
47	Rule80A	char	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
59	TimeInForce	char	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	UTC Timestamp	R	Time the transaction represented by this message occurred.
109	ClientID	String		Firm identifier for the order entry firm if specified.
110	MinQty	Qty		Minimum quantity of an order to be executed.
150	ExecType	char	Y	Describes the specific Execution Report. Values: 5 = Replaced
151	LeavesQty	Qty	Y	Amount of bonds open for further execution.
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield
Standard trailer				

7.5.11 Execution Report – Trade

Tag	Field Name	Data Type	Req'd	Comments
Standard header - Outgoing				MsgType (35) = 8
1	Account	String		Account mnemonic as assigned by the institution.
6	AvgPx	Price	Y	Calculated average yield of all fills on this order.
11	ClOrdID	String	R	Unique identifier for the order as assigned by the institution.
14	CumQty	Qty	Y	Total number of bonds filled.
17	ExecID	String	Y	Unique identifier of execution message as assigned by Japannext PTS.

Tag	Field Name	Data Type	Req'd	Comments
20	ExecTransType	Char	Y	Identifies transaction type. Values: 0 = New
31	LastPx	Price	R	Yield of this (last) fill.
32	LastShares	Qty	R	Number of bonds bought/sold on this (last) fill.
37	OrderID	String	Y	Unique identifier for order as assigned by Japannext PTS.
38	OrderQty	Qty	R	Quantity accepted.
39	OrdStatus	char	Y	Identifies current status of this order. Values: 1 = Partially filled 2 = Filled 6 = Pending Cancel E = Pending Replace
40	OrdType	char	R	Order type. Values: 2 = Limit
44	Price	Price	R	Price per bond accepted.
47	Rule80A	char	R	Designates the capacity of the firm placing the order. Values: A = Agency P = Principal
54	Side	char	Y	Side of order. Values: 1 = Buy 2 = Sell
55	Symbol	String	Y	Ticker symbol. Value is the bond code per SICC definition.
59	TimeInForce	char	R	Specifies how long the order remains in effect. Values: 0 = Day 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK)
60	TransactTime	UTC Timestamp	R	Time the transaction represented by this message occurred.
109	ClientID	String		Firm identifier for the order entry firm if specified.
110	MinQty	Qty		Minimum quantity of an order to be executed.
150	ExecType	char	Y	Describes the specific Execution Report. Values: 1 = Partial fill 2 = Fill
151	LeavesQty	Qty	Y	Amount of bonds open for further execution.
375	ContraBroker	String	R	Used to identify the counter party of the trade. Value is the PSMS code per JASDEC definition.
382	NoContraBrokers	int	R	Number of ContraBroker (375) entries. Value is 1.
423	PriceType	int	R	Code to represent the price type. Values: 9 = Yield

Tag	Field Name	Data Type	Req'd	Comments
851	LastLiquidityInd	int	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	String	R	Identifier assigned to a trade by a matching system.
Standard trailer				

7.5.12 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		Message explaining reject reason.
372	RefMsgType	String	Y	The MsgType (35) of the FIX message being referenced.
379	BusinessRejectRefID	String		The ClOrdID (11) of the FIX message being referenced.
380	BusinessRejectReason	int	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 - 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				

Revision History

Date	Version	Description
2016-12-05	1.0	Initial revision.
2017-08-31	1.1	Decreased Account (1) field's length limitation from 16 to 10. Decreased ExecID (17) field's length limitation from 30 to 20. Increased SenderSubID (50) field's length limitation from 10 to 30 for incoming messages. Decreased TargetSubID (57) field's length limitation from 10 to 4 for incoming messages. Added TrdMatchID (880) to field length limitations table with value 20. Removed OrderID (37) field from Order Cancel Replace Request and Order Cancel Request messages.
2017-11-21	1.2	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. Add parenthesized tag numbers to field names appearing in comments of message definition tables. Differentiated between Incoming and Outgoing standard headers in Application Messages. Price (44) is marked as required 'R' in Execution Reports.