FIX Interface Specification

Updated August 12th, 2010

1. Introduction to NASDAQ OMX BX FIX System

Overview

This document defines NASDAQ OMX BX's implementation of the Financial Information Exchange (FIX) 4.0, 4.1 and 4.2 protocols. NASDAQ OMX BX's FIX implementation acts like a router, converting incoming FIX messages into OUCH® messages and back again.

Users

It is assumed that the user of this manual is familiar with the FIX 4.0, 4.1 and 4.2 protocol standard, (can be found at www.fixprotocol.org).

2. Session Information

The first message should be a logon message. No additional messages should be transmitted until NASDAQ OMX BX has verified the SenderCompID, and a logon is received from NASDAQ OMX BX.

Note: NASDAQ OMX BX does NOT support encryption.

ID Fields

SenderCompID sent	The SenderCompID as assigned by NASDAQ OMX BX. The maximum size is 4 to 6 characters.
SenderCompID returned	The SenderCompID returned within all messages is NQBX.
TargetCompID	Your TargetCompID should always be NQBX.

3. Cancel and Replace – Order Modification

When replacing an order the ClOrdID field must be a unique ID for the newest order in the chain of orders and the OrigClOrdID must contain the ClOrdID of the order you are trying to replace / modify.

When canceling an order the ClOrdID field must be a unique ID for the cancel request and the OrigClOrdID must contain the ClOrdID of the order you are trying to cancel.

Only Price and OrdQty may be changed for limit and pegged orders.

Any change will result in your order losing time priority with the exception of a reduction in OrdQty only.

4. FIX Message Types – Supported / Unsupported

FIX Messages - Supported by NASDAQ OMX BX

Administrative Messages

Standard FIX administrative messages are supported.

Incoming Messages

New Order - Single
Order Cancel Request
Order Cancel/Replace Request (a.k.a. Order Modification Request)

Outgoing Messages

Execution Report
Order Cancel Reject

FIX Messages - Not supported by NASDAQ OMX BX

Advertisements
Allocation
Allocation ACK
Didn't Know Trade (DK)
Email
Indications of Interest
List Cancel Request
List Execute
List Status
List Status Request
New Order List
News
Quote
Quote Request
Settlement Instructions
Order Status Request

5. Session Protocol Messages

All NASDAQ OMX BX comments/additions to the FIX specification are listed in BOLD in the "*Comments*" column for each message type.

If a Tag is not explicitly supported by NASDAQ OMX BX it will be ignored. Your message will not be rejected.

Message Header

Tag	Field Name	Req'd	Comments
8	BeginString	Y	FIX.4.0 or FIX.4.1 or FIX.4.2. Must be the first field in message.
9	BodyLength	Y	Must be second field in the message.
35	MsgType	Y	Must be the third field in the message.
34	MsgSeqNum	Y	
49	SenderCompID	Y	SenderCompID as assigned by NASDAQ OMX BX . It will always be four to six characters.
56	TargetCompID	Y	"NQBX"
52	SendingTime	Y	
50	SenderSubID	N	It must be 32 characters or less.
57	TargetSubID	N	Ignored
43	PossDupFlag	N	Always required for retransmitted messages, whether prompted by the sending system or as the result of a resend request.
97	PossResend	N	Required when message may be duplicate of another message sent under a different sequence number.
122	OrigSendingTime	N	Required for message resends. If data is not available set to same value as SendingTime.

Logon Message

Tag	Field Name	Req'd	Comments
	Standard Header	Y	**MsgType = A**
98	EncryptMethod	Y	Not supported.
108	HeartBtInt	Y	
141	ResetSeqNumFlag	N	Indicates both sides of a FIX session should reset sequence numbers. If this flag is present and set to 'Y' NASDAQ OMX BX will reset the next expected inbound sequence number to one and our next outbound sequence number to one. When using this flag the sequence number of the logon message should be one.
95	RawDataLength	N	Not supported.
96	RawData	N	
	Standard Trailer	Y	

6. Application Messages Regarding Orders

All NASDAQ OMX BX comments/additions to the FIX specification are listed in BOLD in the "*Comments*" column for each message type.

If a Tag is not supported by NASDAQ OMX BX "Not supported" will appear in the "*Comments*" column. If you send an unsupported tag, the tag and corresponding data will be ignored. Your message will not be rejected.

New Order – Single Message

Broker Dealer's who wish to electronically submit securities orders to NASDAQ OMX BX for execution use the new order message type.

Orders can be submitted with special handling instructions and execution instructions.

Handling instructions refer to how NASDAQ OMX BX should handle the order on its trading floor. The HandlInst field is required and it should always be set to 1, which indicates Automated execution order, private, no Broker intervention.

Execution instructions contain explicit directions as to how the order should be executed. The ExecInst field describes how it should be executed. 'N' (No Peg), 'P' (Market Peg), and 'R' (Primary Peg) are supported.

New Order messages received with a duplicate ClOrdID will be ignored, regardless if the PossResend flag is set. The New Order Message is described in the following table:

New Order – Single Message			
Tag	Field Name	Req'd	Comments
	Standard Header	Y	**MsgType = D**
11	ClOrdID	Y	Unique identifier of the order as assigned by institution. Must be 64 characters or less.
21	HandlInst	Y	This is required by FIX. It should always be set to: 1 = Automated execution order, private, no Broker intervention
55	Symbol	Y	Ticker symbol. The format of the symbol is native INET symbology. More information can be found at the following link: http://www.nasdaqtrader.com/Trader.aspx?id=CQSSymbolConvention NOTE: the entire symbol (root and suffix included) needs to be in tag.

54	Side	Y	Side of order Valid values:
			  1 = Buy
			  2 = Sell
			  5 = Sell short
			  6 = Sell short exempt

38	OrderQty	Y	Required.

40	OrdType	Y	Valid values:
			  1 = Market
			  2 = Limit
			  P = Pegged (requires ExecInst = P or R)

44	Price	N	Price field is required for Limit Orders.
109	ClientID	N	Used for firm identification in third-party transactions. Service bureaus must use this field to specify the firm entering the order. It MUST be a valid NASD assigned MPID. The firm must be a NASD registered broker dealer.
76	ExecBroker	N	The destination to send orders to. Currently INET, DOTA, DOTD, DOTI, DOTM, MOPP, STGY, SCAN and Directed Order Destination Codes (please see Directed Codes table below) are available. Will default to "INET" if not specified.
1	Account	N	Must be 32 characters or less.
63	SettlmntTyp	N	Not supported.
64	FutSettDate	N	Not supported.
18	ExecInst	N	Can contain multiple instructions, space delimited. Only 'M' (Midpoint Peg), 'N' (No Peg), 'P' (Market Peg), and 'R' (Primary Peg) are supported. For GTC orders, 'E' means Do-Not-Increment(DNI) and 'F' means Do-Not-Reduce(DNR) 'f' means InterMarket Sweep Order (ISO)
9140	DisplayInst	N	May be used to specify NASDAQ OMX BX's different display options. Y = Anonymous-Price to Comply A = Attributable-Price to Display

			N = Non-Display I = Imbalance Only
110	MinQty	N	MinQty is currently supported. However, NASDAQ OMX BX does not allow orders with a MinQty to remain live on our book. Therefore, you need to specify IOC in the TIF field (tag 59=3). Also, MinQty must be a round lot.
111	MaxFloor	N	Represents the portion of your order that you wish to have displayed. It must be a round lot.
114	LocateReqd	N	Required for short sale orders. Must be set to 'N' for all short sale orders. The order entry firm is always responsible for locating the stock on a short sale. Indicates whether the broker is to locate the stock in conjunction with a short sell order. Valid values: N = Indicates the broker is not required to locate
59	TimeInForce	N	Specifies how long the order remains in effect. Absence of this field is interpreted as Market Hours. Valid values: 0 = Market Hours (DAY) 1 = Extended Hours Order 2 = On Open 3 = Immediate or Cancel (IOC) 5 = Extended Hours Order 6 = Good Till Time (Expire Time should have the end time) 7 = On Close A = Extended Hours Order C= GTC (Market Hours) M= GTC (System Hours) Order entered after the market close with TIF of DAY will be converted to an extended hours order.
47	Rule80A/OrderCapacity	N	All values are supported. 'A' (agent) is the default.
211	PegDifference	N	Offset amount for the pegged value. NASDAQ OMX BX uses the FIX standard conservative approach when implementing the peg difference.
58	Text	N	
126	ExpireTime	N	The time the order should be canceled at.
9395	Marketability Instructions	N	Valid values: 0 = None
8020	DisplayRange	N	Amount used to determine the random reserve range. If 200 is specified in this field, and the MaxFloor is set to 1000, the displayed amount will randomly shift between 800 and 1200.
9391	DisplayExecInst	N	This tag is used to peg the display price of the order.

			NASDAQ OMX BX currently supports Market Peg ('P'), Primary Peg ('R') and Mid Peg (M)
9392	DisplayPrice	N	This field contains the price that will be displayed on the NASDAQ OMX BX book.
9396	DisplayPegDifference	N	This field is used to offset a pegged display price as specified in field 9391.
9355	CrossTradeFlag	N	This specifies the cross in which this order goes live. Valid values: O = Opening cross C = Closing cross I = Intraday cross
129	DeliverToSubID	N	Value set to 'NX' to send a Direct+ order on DOT strategies
	Standard Trailer	Y	

Directed Order Destination Codes	
Market Center	**Destination Code**
AMEX	ISAM
ARCA/PCX	ISPA
CBOE	ISCB
CHSX	ISCX
CINN/NSX	ISCN
DATA	ISDA
EDGA	ISGA
EDGX	ISGX
ISE	ISIS
LavaFlow	ISLF
NYSE	ISNY
PHLX	ISPX
TRAC	ISTR

Order Cancel Request Message

The Order Cancel Request Message requests the cancellation of all of the remaining quantity of an existing order. The request will only be accepted if the order can successfully be pulled back from the exchange floor without executing.

Note that the Order Cancel/Replace Request should be used to partially cancel (reduce) an order.

A cancel request is assigned a ClOrdID and is treated as a separate entity. If rejected, the ClOrdID of the cancel request will be sent in the Cancel Reject message, as well as the ClOrdID of the actual order in the OrigClOrdID field. The ClOrdID assigned to the cancel request must be unique amongst the ClOrdID assigned to regular orders and replacement orders.

The format of the cancel request message is shown in the following table:

Order Cancel Request Message

Tag	Field Name	Req'd	Comments
	Standard Header	**Y**	**MsgType = F**
41	OrigClOrdID	Y	ClOrdID of the previous order (NOT the initial order of the day) when canceling or replacing an order.
11	ClOrdID	Y	Unique ID of cancel request as assigned by the institution. Must be 64 characters or less.
55	Symbol	Y	Ticker symbol. The format of the symbol is native INET symbology. More information can be found at the following link: http://www.nasdaqtrader.com/Trader.aspx?id=CQSSymbolConvention NOTE: the entire symbol (root and suffix included) needs to be in tag.
54	Side	Y	Side of order - Valid values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt
38	OrderQty	Y	NASDAQ OMX BX does not support CashOrderQty. Therefore, OrderQty is required.
37	OrderID	N	Unique identifier of most recent order as assigned by broker.
109	ClientID	N	Used for firm identification in third-party transactions. Service bureaus must use this field to specify the firm canceling the order. It MUST be a valid NASD assigned MPID. The firm must be a NASD registered broker dealer.
	Standard Trailer	**Y**	

Order Cancel/Replace Request
(a.k.a. Order Modification Request)

The Order Modification Request is used to change the parameters of an existing order.

Do not use this message to cancel the remaining quantity of an outstanding order, use the Cancel Request message for this purpose.

The Order Modification request will only be accepted if the order can successfully be pulled back from the exchange floor without executing. Requests that cannot be processed will be rejected using the Cancel Reject message. The Cancel Reject message will provide the ClOrdID and OrigClOrdID values that were specified on the Order Modification Request message for identification.

Note that while it is necessary for the ClOrdID to change and be unique, the broker's OrderID field does not necessarily have to change as a result of the Order Modification request.

Only price and shares can be changed via the cancel/replace request message. All other fields should be retransmitted as sent in the original order.

The Order Modification Request Message is described in the following table:

Order Cancel/Replace Request Message

Tag	Field Name	Req'd	Comments
	Standard Header	Y	**MsgType = G**
41	OrigClOrdID	Y	ClOrdID of the previous order (NOT the initial order of the day) when canceling or replacing an order.
11	ClOrdID	Y	Unique identifier of replacement order as assigned by institution. Note that this identifier will be used in ClOrdID field of the Cancel Reject Message if the replacement request is rejected. Must be 64 characters or less.
21	HandlInst	Y	This is required by FIX. It should always be set to: 1 = Automated execution order, private, no Broker intervention
55	Symbol	Y	Ticker symbol. The format of the symbol is native INET symbology. More information can be found at the following link: http://www.nasdaqtrader.com/Trader.aspx?id=CQSSymbolConvention NOTE: the entire symbol (root and suffix included) needs to be in tag.
54	Side	Y	Side of order - Valid values: 1 = Buy 2 = Sell 5 = Sell short 6 = Sell short exempt Must match original side.
38	OrderQty	Y	NASDAQ OMX BX does not support CashOrderQty. Therefore, OrderQty is required.
40	OrdType	Y	Valid values: 1 = Market Peg 2 = Limit P = Pegged (requires ExecInst = P or R)
44	Price	N	Price field is required for Limit Orders.
114	LocateReqd	N	Indicates whether the broker is to locate the stock in conjunction with a short sell order. Valid values: Y = Indicates the broker is responsible for locating the stock N = Indicates the broker is not required to locate
37	OrderID	N	Unique identifier of most recent order as assigned by broker.
109	ClientID	N	Used for firm identification in third-party transactions. Service bureaus must use this field to specify the firm canceling the order. It MUST be a valid NASD assigned MPID. The firm must be a NASD registered broker dealer.
18	ExecInst	N	Can contain multiple instructions, space delimited. Only 'M' (Midpoint Peg), 'N' (No-Peg), 'P' (Market Peg), and 'R' (Primary Peg) are supported.

			For GTC orders, 'E' means Do-Not-Increment(DNI) and 'F' means Do-Not-Reduce(DNR) 'f' means Intermarket Sweep Order (ISO)
9140	DisplayInst	N	May be used to specify NASDAQ OMX BX's different display options. Y = Anonymous-Price to Comply A = Attributable-Price to Display N = Non-Display I = Imbalance Only
59	TimeInForce	N	The time in force of the original order caries through to all replacements.
47	Rule80A/OrderCapacity	N	The Rule80A (capacity) of the original order caries through to all replacements.
1	Account	N	Not supported. The account of the original order carries through to all replacements.
110	MinQty	N	Not supported. The MinQty of the original order carries through to all replacements.
111	MaxFloor	N	Not supported. The MaxFloor of the original order carries through to all replacements.
	Standard Trailer	**Y**	

Execution Report

The execution report message is used to:

1. Confirm the receipt of an order
2. Confirm changes to an existing order (i.e. accept cancel and replace requests)
3. Relay order status information
4. Relay fill information on working orders
5. Reject orders
6. Report post-trade fees calculations associated with a trade

Each execution message will contain information that will describe the current state of the order and execution status as understood by NASDAQ OMX BX. State changes will be sent as separate messages and will not be used to also convey new partial fill details:

Execution Report			
Tag	Field Name	Req'd	Comments
	Standard Header	Y	MsgType = 8
37	OrderID	Y	OrderID, as assigned by NASDAQ OMX BX, is required to be unique for each chain of orders.
17	ExecID	Y	Identifier of execution message as assigned by broker (will be 0 (zero) for ExecTransType=3 (Status)). NASDAQ OMX BX assigns the ExecID based on the OUCH match number of the transaction. If you cross yourself on a trade the buy and sell orders will have the same ExecID.
20	ExecTransType	Y	Identifies transaction type Valid values: 0 = New 1 = Cancel Trade breaks will be sent with an ExecTransType of '1'. NASDAQ OMX BX does not support trade corrections.
76	ExecBroker	Y	The destination to send orders to. Currently INET, DOTA, DOTD, DOTI, DOTM, MOPP, STGY, SCAN and Directed Order Destination Codes (please see Directed Codes table below) are available. Will default to "INET" if not specified.
150	ExecType	Y	Describes the type of execution report. Same possible values as OrdStatus.
39	OrdStatus	Y	Describes the current state of a CHAIN of orders, same scope as OrderQty, CumQty, LeavesQty, and AvgPx Valid Values: 0 = New 1 = Partial Fill 2= Filled 4 = Canceled 5 = Replaced 6 = Pending Cancel 8 = Rejected
55	Symbol	Y	Ticker symbol. The format of the symbol is native INET symbology. More information can be found at the following link: http://www.nasdaqtrader.com/Trader.aspx?id=CQSSymbolConvention NOTE: the entire symbol (root and suffix included) needs to be in tag.
54	Side	Y	
38	OrderQty	Y	
32	LastShares	Y	Quantity of shares bought/sold on this (last) fill.
31	LastPx	Y	Price of this (last) fill.
151	LeavesQty	Y	Amount of shares open for further execution. If the OrdStatus is Canceled, DoneForTheDay, Expired,

			Calculated, or Rejected (in which case the order is no longer active) then LeavesQty could be 0, otherwise LeavesQty = OrderQty - CumQty.
14	CumQty	Y	Currently executed shares for chain of orders.
6	AvgPx	Y	Calculated average price of all fills on this order.
19	ExecRefID	N	Required for Cancel and Correct ExecTransType messages
1	Account	N	As specified in the NewOrder
11	ClOrdID	N	As specified in the NewOrder
44	Price	N	As specified in the NewOrder
211	PegDifference	N	As specified in the NewOrder
41	OrigClOrdID	N	ClOrdID of the previous order (NOT the initial order of the day) when canceling or replacing an order.
109	ClientID	N	Used for firm identification in third-party transactions. If a ClientID was specified in the original order then it will be returned in all subsequent execution reports.
18	ExecInst	N	Can contain multiple instructions, space delimited. Only 'M' (Midpoint Peg), 'N' (No-Peg), 'P' (Market Peg), and 'R' (Primary Peg) are supported. For GTC orders, 'E' means Do-Not-Increment(DNI) and 'F' means Do-Not-Reduce(DNR) 'f' means Intermarket Sweep (ISO)
9140	DisplayInst	N	May be used to specify NASDAQ OMX BX's different display options. Y = Anonymous-Price to Comply A = Attributable-Price to Display N = Non-Display I = Imbalance Only
75	TradeDate	N	Used when reporting other than current day trades.
59	TimeInForce	N	Absence of this field indicates Market Hours order
40	OrdType	N	Valid values: 2 = Limit P = Pegged (requires ExecInst of P or R)
60	TransactTime	N	Time of execution/order creation (expressed in GMT).
47	Rule80A/OrderCapacity	N	All values are supported. 'A' (agent) is the default.
58	Text	N	Free format text string,
9882	LiquidityFlag	N	Will be returned within all execution reports that contain a partial or full fill. See Liquidity Flags Table below for values
111	MaxFloor	N	As specified in the NewOrder
	Standard Trailer	**Y**	

Liquidity Flags	
Flag	*Value*
A	Added
R	Removed
J	Non-displayed and added liquidity
X	Routed
D	DOT
F	Added or Opening Trade (on NYSE)
G	Odd Lot or On-Close order (on NYSE)
O	Open Cross (billable)
M	Open Cross (non-billable)
C	Closing Cross (billable)
L	Closing Cross (non-billable)
H	Halt/IPO Cross (billable)
K	Halt/IPO Cross (non-billable)
I	Intraday/Post-Market Cross
Y	Re-Routed by NYSE

Restatement Message

This message will tell the user the amount their orders were reduced down to as a result of a partially cancelled quantity.

Restatement

Tag	Field Name	Req'd	Comments
	Standard Header	Y	MsgType = 8
37	OrderID	Y	OrderID, as assigned by NASDAQ, is required to be unique for each chain of orders.
17	ExecID	Y	Identifier of execution message as assigned by broker (will be 0 (zero) for ExecTransType=3 (Status)). NASDAQ assigns the ExecID based on the OUCH match number of the transaction. If you cross yourself on a trade the buy and sell orders will have the same ExecID.
20	ExecTransType	Y	Identifies transaction type Valid values: 0 = New 1 = Cancel Trade breaks will be sent with an ExecTransType of '1'. NASDAQ does not support trade corrections.
76	ExecBroker	Y	The destination to send orders to. Currently INET, DOTA, DOTD, DOTI, DOTM, TFTY, MOPP, STGY, SCAN, SKIP, SKNY, SCNF, SGNF and Directed Order Destination Codes (please see Directed Codes table below) are available. Will default to "INET" if not specified.
150	ExecType	Y	Describes the type of execution report. For restatement, this value will always be: D = Restated
39	OrdStatus	Y	Describes the current state of a CHAIN of orders, same scope as OrderQty, CumQty, LeavesQty, and AvgPx Valid Value for restatement will be: 0 = New
55	Symbol	Y	Ticker symbol. The format of the symbol is native INET ymbology. More information can be found at the following link: http://www.nasdaqtrader.com/Trader.aspx?id=CQSSymbolConvention NOTE: the entire symbol (root and suffix included) needs to be in tag.
54	Side	Y	
38	OrderQty	Y	
32	LastShares	Y	Quantity of shares bought/sold on this (last) fill. For restatement, this value will always be "0".
31	LastPx	Y	Price of this (last) fill.
151	LeavesQty	Y	Amount of shares open for further execution. If the OrdStatus is Canceled, DoneForTheDay, Expired, Calculated, or Rejected (in which case the order is no longer active) then LeavesQty could be 0, otherwise LeavesQty = OrderQty – CumQty.
14	CumQty	Y	Currently executed shares for chain of orders.

6	AvgPx	Y	Calculated average price of all fills on this order.
19	ExecRefID	N	Required for Cancel and Correct ExecTransType messages
1	Account	N	
11	ClOrdID	N	
44	Price	N	
211	PegDifference	N	
41	OrigClOrdID	N	ClOrdID of the previous order (NOT the initial order of the day) when canceling or replacing an order.
109	ClientID	N	Used for firm identification in third-party transactions. If a ClientID was specified in the original order then it will be returned in all subsequent execution reports.
18	ExecInst	N	Can contain multiple instructions, space delimited. Only 'M' (Midpoint Peg), 'N' (No-Peg), 'P' (Market Peg), and 'R' (Primary Peg) are supported. For GTC orders, 'E' means Do-Not-Increment(DNI) and 'F' means Do-Not-Reduce(DNR) 'f' means Intermarket Sweep (ISO)
9140	DisplayInst	N	May be used to specify NASDAQ's different display options. Y = Anonymous-Price to Comply A = Attributable-Price to Display N = Non-Display I = Imbalance Only
75	TradeDate	N	Used when reporting other than current day trades.
59	TimeInForce	N	Absence of this field indicates Market Hours order
40	OrdType	N	Valid values: 2 = Limit P = Pegged (requires ExecInst of P or R)
60	TransactTime	N	Time of execution/order creation (expressed in GMT).
47	Rule80A/OrderCapacity	N	All values are supported. 'A' (agent) is the default.
58	Text	N	Free format text string,
9882	LiquidityFlag	N	Will be returned within all execution reports that contain a partial or full fill. See Liquidity Flags Table below for values
111	MaxFloor	N	As specified in the NewOrder
378	ExecRestatementReason	Y	For restatement, this value will always be: 5 = Partial decline of OrderQty
	Standard Trailer	Y	

Order Cancel Reject

The order cancel reject message is issued by NASDAQ OMX BX upon receipt of a Cancel Request or Cancel/Replace Request Message that cannot be honored.

The format of the Order Cancel Reject Message is as follows

Tag	Field Name	Req'd	Comments
	Standard Header	Y	MsgType = 9
37	OrderID	Y	If the cancel reject is for an unknown order this field will contain the text "Unknown". Otherwise, it will contain the OrderID of the last order in the chain of orders.
11	ClOrdID	Y	Unique order id assigned by broker to the cancel request or to the replacement order.
41	OrigClOrdID	Y	ClOrdID that could not be canceled/replaced. ClOrdID of the previous order (NOT the initial order of the day) when canceling or replacing an order.
39	OrdStatus	Y	OrdStatus value after this cancel reject is applied.
109	ClientID	N	Used for firm identification in third-party transactions. For known orders this will contain the ClientID specified in the original order.
102	CxlRejReason	N	Code to identify reason for cancel rejection. Valid values: 0 = Too late to cancel 1 = Unknown order
58	Text	N	See "Rejected Order Reasons" in section 7
	Standard Trailer	Y	

7. Order Reject/Cancel Reasons

The FIX Text field, tag 58, will be returned within all reject and cancel messages and will contain a description of the reject or cancel.

Rejected Order Reasons

Reason	Explanation
Y	The LocateReqd tag was not set to 'N'
C	Rash is not yet open
I	Invalid side
E	Invalid peg type
L	Invalid Firm
Z	Order Size is more then maximum shares allowed
O	Unknown Error.
F	Invalid marketability value
B	Quote not available for pegged order

P	Pegging is not allowed
X	The order does not have a valid price.
R	Routing not enabled
G	Specified routing destination is temporarily down
J	Internal NASDAQ OMX BX error
N	Order attribute specified that the routing destination does not support
D	Bad reserve value
T	Port is in Test Only mode
H	The stock is halted
S	Invalid stock
Q	Invalid order qty
K	Invalid Min Qty
W	Routing destination is not supported
A	Advanced functionality not supported
U	NASDAQ OMX BX was asked to reject resent orders and this order was resent
V	Invalid Order Type

Cancel Order Reason

Reason	Explanation
"U"	User requested cancel. Sent in response to a Cancel Request Message.
"I"	Immediate or Cancel Order.
"T"	Timeout. The Time In Force for this order has expired
"S"	Supervisory. The order was manually canceled or reduced by an NASDAQ OMX BX supervisory terminal.
"Q"	Self Match Prevention. The order was cancelled because it would have executed with an existing order entered by the same MPID.

8. Revision History

Revision #	Date	Change
1.0	3/18/2008	Document Creation
1.0	12/19/2008	Added "J" liquidity code value Greyed out tag 9392 (not supported)
1.01	05/06/2009	Added "S" display flag
1.02	06/24/2009	Revised description of cancelled order reason "I" for anti-internalization
1.03	07/01/2009	Revised description of cancelled order reason "I" for removing anti-internalization Added cancelled order reason "Q" for anti-internalization
1.04	7/29/2009	Added Restatement message type
1.05	8/10/2009	Removed "S" display flag
1.06	12/10/2009	Revised anti-internalization language, replaced with self match prevention

		Removed value "4" from TIF
1.07	08/12/2010	Re-introduced the sell short exempt value in the side field