

# FX Aggregator

**FIX Specification**

**Version: 2.0.2**

**Date: 18/08/2015**

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# 1 Document History

| Version | Date       | Comments   |
|---------|------------|--|
| 1.0     | 10.09.2009 | The basic version  |
| 1.0.1   | 06.11.2009 | In the Market Data – Snapshot/Full Refresh message field 278 (MDEntryID) has been changed to field 299 (QuoteEntryID).   |
| 1.1.0   | 03.03.2010 | The Field 585 (MassStatusReqType) of OrderMassStatusRequest message (35=AF) now can take the value 100 – active orders only.   |
| 1.1.1.  | 10.03.2010 | Some typos in values of MsgType and tag numbers of SecurityList message has been corrected.  |
| 1.2.0   | 25.02.2011 | The new tag 11010 (MarketDataType) and new modes of quotes receiving has been added.   |
| 1.2.1   | 01.03.2011 | The order status “Suspended” has been removed.   |
| 1.2.2   | 30.06.2011 | New values for TimeInForce field were added.<br>DeliverToCompID field was added.   |
| 1.2.3.  | 20.07.2011 | The field containing value (settlement) date was added to quotes and to list of instruments.   |
| 1.3.0.  | 01.02.2012 | The field 276 (Quote condition) has been added in MarketData-Snapshot/FullRefresh and MarketData-Incremental Refresh.<br>Value 1 (Top of Book) for the field 264 (Market Depth) has been added in the MarketDataRequest.<br>Field 1 (Account) has been added in NewOrderSingle, ExecutionReport, TradeCaptureReport messages.  |
| 1.3.1   | 10.09.2012 | Section 5.1 is modified  |
| 1.3.2   | 20.05.2013 | New field ContractMultiplier has been added  |
| 1.3.3   | 01.07.2013 | Multi-stream pricing mode (with StreamID filed) was added.<br>RefPrice field was added in NewOrderSingle and ExecutionReport.  |
| 1.3.4   | 12.09.2013 | TradeDate and TransactTime were added to ExecutionReport   |
| 1.3.5   | 18.12.2013 | Changed document layout, accompanying text typos were corrected, added 35 and 231 tag (ContractMultiplier) to Execution report and Trade capture Record messages, changed order’s patterns.  |
| 2.0.0   | 24.01.2014 | The field 264 (MarketDepth) of Market Data Request message (35=V) now can take value N – number of tiers. Excluded from this version: Order Mass Status Request (chapter 6.3), Trade Capture Report (chapter 6.4).<br>Field’s 150 (ExecutionType) of Execution Report message (35=8) value 2 – Fill changed to F–Trade, excluded values: 6 – Pending Cancel, A – Pending New, E – Pending Replace, I – Order Status; From field 39 of the same message values excluded: 6 – Pending Cancel, A – Pending New, E – Pending Replace.<br>In case if you were using our old documentation all excluded values will still be working if necessary. |
| 2.0.1   | 29.05.2015 | In ExecutionReport message new optionary tags were added 11033   |

|       |            |   |
|-------|------------|---|
|       |            | (BaseCcy), 11034 (BaseQty), 11035 (TermCcy), 11036 (TermQty) to state base amount and counter amount and currency of the last deal. |
| 2.0.2 | 18.08.2015 | Tag 15 (currency) was added in New Order Single, Execution Report section.  |

## 2 Introduction

The present document describes the Financial Information Exchange (FIX) interface for trading currencies with the FX Aggregator system. It specifies the subset of FIX messages and fields supported by the interface. It is recommended to be read together with the FIX Protocol Specification. The FIX interface of the FX Aggregator system is based on ver. 4.4 of the FIX Protocol Specification.

FIX interface supports the following business functions:

- Receiving the list of trading tools and their specifications
- Receiving the “book” of orders on each trading tool
- Placing / changing and cancelling of orders
- Receiving reports on performed deals

The following sections describe the FIX sessions used by clients to communicate with the Aggregator FX system and the format of messages used in this protocol.

## 3 Connectivity

FX Aggregator uses SSL protocol to protect information from an unauthorized access. Clients are responsible for initiating connections to the FX Aggregator server using SSL. Once a connection is established, client should verify an identity of the server using the SSL certificate and then initiate the normal FIX logon process.

FX Aggregator uses separate connections for market data and order management messages, allowing to apply different settings based on different characteristics of the traffic.

### 3.1 Market Data Connection (market data session)

A Client establishes Market Data session to receive the list of trading tools and quotes. During this session client requests the list of trading tools (security list), quotes and quote updates. FIX messages sent during the session, can't be restored. After disconnection and subsequent reconnection the numbers of sent and received messages (sequence numbers) will be reset to 1. The system doesn't try to restore the undelivered messages after disconnect. Client should re-request from FX Aggregator order book updates for each instrument he uses.

### 3.2 Order Management Connection (trade session)

During this connection clients submit orders and receive execution and trade reports in return, which indicate the completion of each trade. Messages sent over the Order Execution session are recoverable. When TCP connections fails and restarts each side of the session must recover any potentially lost messages using standard FIX protocols. Sequence numbers are going to be reset only at the end of the trading session.

To get access to Aggregator FX using FIX protocol a client must have TargetCompId and SenderCompId for each session.

Each client must also have a mechanism for synchronizing its system time. This will help to ensure that FX Aggregator timestamps are in time sequence relative to client timestamps.

## 4 Session Management

The FX Aggregator interface supports the standard FIX session protocol, including all of the following session messages:

- Heartbeat (MsgType = 0);
- Logon (MsgType = A);
- Test Request (MsgType = 1);
- Resend Request (MsgType = 2);
- Reject (MsgType = 3);
- Sequence Reset (MsgType = 4);
- Logout (MsgType = 5).

### Standard Message Headline

| Tag | Field Name      | Req'd | Type         | Пример   |
|-----|-----------------|-------|--------------|--|
| 8   | BeginString     | Y     | String       | FIX.4.4  |
| 9   | BodyLength      | Y     | Length       | 527  |
| 34  | MsgSeqNum       | Y     | SeqNum       | 1  |
| 35  | MsgType         | Y     | String       | A  |
| 49  | SenderCompID    | Y     | String       | 'COMPANY'  |
| 52  | SendingTime     | Y     | UTCTimeStamp | 20090909-09:52:53.927  |
| 56  | TargetCompID    | Y     | String       | 'FXAGGR'   |
| 128 | DeliverToCompID | N     | String       | Идентификатор контрагента, если требуется.<br>Например: 'Alfabank' |

### Standard Message Trailer

| Tag | Field Name | Req'd | Type   | Example |
|-----|------------|-------|--------|---------|
| 10  | CeckSum    | Y     | String | 205     |

### Logon

| Tag              | Field Name      | Req'd | Type    | Description   |
|------------------|-----------------|-------|---------|---|
| Standard Header  |                 | Y     |         | MsgType = A   |
| 108              | HeartBtInt      | Y     | int     | Heartbeat interval in seconds.  |
| 98               | EncryptMethod   | Y     | int     | Only 0=None is supported  |
| 141              | ResetSeqNumFlag | C     | Boolean | Must be set to N for trade session<br>Must be set to Y for data session |
| Standard Trailer |                 | Y     |         |   |

Client receive TradingSessionStatus message for each session right after successful Logon. Client should not send any requests until receiving this message.

## TradingSessionStatus

| Tag   | Field Name       | Req'd | Type   | Description  |
|-------|------------------|-------|--------|--|
|       | Standard Header  | Y     |        | MsgType = h  |
| 336   | TradingSessionID | Y     | String | Session name. Can take "Market Data" or "Trade" notions.   |
| 340   | TradSesStatus    | Y     | int    | In current version is always 2 – Open. In future versions other session statuses are possible.                                       |
| 58    | Text             | Y     | String | Contains gateway version number in the form of «ver. 1.0.0», where first two groups of numbers display the version of documentation. |
| 11020 | CAList           | N     | String | List of available counterparties, separated by «;» symbol.<br>Example 1: Alfabank<br>Example 2: Hotspot, Currenex; FXAll             |
|       | Standard Trailer | Y     |        |  |

## 5 Market Data

### 5.1 Message Flow

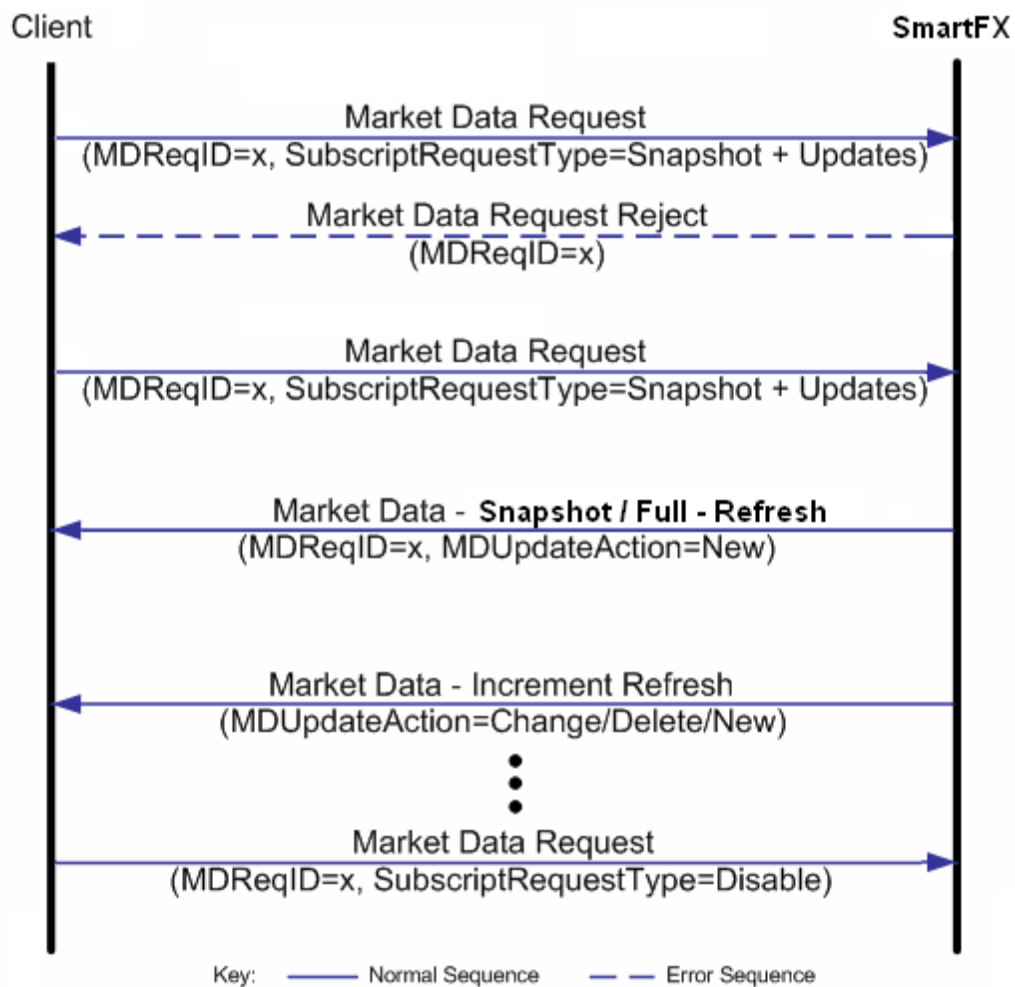
The following messages are sent by the client to FX Aggregator:

- Market Data Request
- Security List Request

The following messages are sent by FX Aggregator to the client:

- Market Data Request Reject
- Market Data – Snapshot / Full Refresh
- Market Data - Incremental Refresh
- Security List

A typical market data message flow between the client and FX Aggregator is shown below:





Note that the *Market Data – Snapshot / Full Refresh* message can be received not only after *Market Data Request* message, but at any moment of the streaming process. This can happen due to full quote refresh or changes of quote receiving mode. After receiving *Market Data – Snapshot / Full Refresh* message all previously received quotes are considered invalid.

An unplanned *Market Data – Snapshot / Full Refresh* message receiving is quite rare, usually that take place a couple of times a day.

All quotes are translated in Bands mode. At that mode quotes represent a group of available for Client amounts and correspondent prices for each amount. Client can make deal only for one of available amounts.

Example: Client wants to buy 2 000 000 of EUR/USD. At the moment he receives the following quotes:

| Price  | Amount     |
|--------|------------|
| 1.3520 | 1 000 000  |
| 1.3521 | 3 000 000  |
| 1.3522 | 5 000 000  |
| 1.3524 | 10 000 000 |

Client can buy 2 000 000 EUR/USD at 1.3521.

## 5.2 Message Format

### Market Data Request

| Tag              | Field Name               | Req'd | Type       | Description  |
|------------------|--------------------------|-------|------------|--|
| Standard Header  |                          | Y     |            | MsgType = V  |
| 262              | MDReqID                  | Y     | String     | Unique request ID  |
| 263              | SubscriptionRequest Type | Y     | char       | Supported types:<br>1 — Snapshot Plus Updates<br>2 — Disable Previous Snapshot plus Update Request |
| 264              | MarketDepth              | Y     | int        | Supported values:<br>0 — Full Book<br>1 – Top of Book*<br>N — Number of Tiers                      |
| 265              | MDUpdateType             | Y     | int        | Supported types:<br>1 — Incremental Refresh  |
| 267              | NoMDEntryTypes           | Y     | NumInGroup | Always = 2 (bid and offer)   |
| → 269            | MDEntryType              | Y     | char       | 0 – Bid<br>1 – Offer   |
| 146              | NoRelatedSym             | Y     | NumInGroup | Always = 1   |
| → 55             | Symbol                   | Y     | String     | Currency pair shown as CCY1/CCY2   |
| 11021            | StreamID                 | N     | String     | The ID for the stream (for multi-stream pricing only)  |
| Standard Trailer |                          | Y     |            |  |

While using this mode quotes have been sent only by MarketData–Snapshot/FullRefresh messages, message type ‘MarketData–IncrementalRefresh’ is not used in this case.

## Market Data – Snapshot/Full Refresh

| Tag              | Field Name     | Req'd | Type         | Description  |
|------------------|----------------|-------|--------------|--|
| Standard Header  |                | Y     |              | MsgType = W  |
| 262              | MDReqID        | Y     | String       | Unique request ID  |
| 55               | Symbol         | Y     | String       | Currency pair shown as CCY1/CCY2   |
| 64               | SettlDate      | N     | LocalMktDate | If received, contains value date for the instrument.   |
| 268              | NoMDEntries    | Y     | NumInGroup   | A number of quotes (orders in a book):<br>0, if there are no quotes (orders)<br>1 or 2 for the ‘Top of Book’ mode (1 best bid, if available, and 1 best offer, if available) |
| → 269            | MDEntryType    | Y     | char         | Entry type (bid/offer):<br>0 – Bid<br>1 – Offer  |
| → 270            | MDEntryPx      | Y     | Price        | Entry price  |
| → 271            | MDEntrySize    | Y     | Qty          | Entry quantity   |
| → 299            | QuoteEntryID   | Y     | String       | Entry ID. Is used in Market Data – Incremental Refresh Message (as tag 278 - MDEntryID) while changing / deleting of entry.  |
| → 276            | QuoteCondition | N     | char         | Quote status:<br>A – active quote<br>B – indicative quote<br>If absent, the quote is active.   |
| 11010            | MarketDataType | N     | int          | Quote mode:<br>2 – Bands   |
| 11021            | StreamID       | N     | String       | The ID for the stream (for multi-stream pricing only)  |
| Standard Trailer |                | Y     |              |  |

## Market Data – Incremental Refresh

| Tag             | Field Name     | Req'd | Type         | Description  |
|-----------------|----------------|-------|--------------|--|
| Standard Header |                | Y     |              | MsgType = X  |
| 262             | MDReqID        | Y     | String       | Unique request ID  |
| 64              | SettlDate      | N     | LocalMktDate | If received, contains value date for the instrument.                                   |
| 268             | NoMDEntries    | Y     | NumInGroup   |  |
| → 279           | MDUpdateAction | Y     | char         | MDUpdateAction_NEW = '0'<br>MDUpdateAction_CHANGE = '1'<br>MDUpdateAction_DELETE = '2' |
| → 269           | MDEntryType    | C     | char         | MDEntryType_BID = '0'<br>MDEntryType_OFFER = '1'                                       |

|       |                  |   |        |  |
|-------|------------------|---|--------|--|
| → 278 | MDEntryID        | Y | String | Entry ID   |
| → 280 | MDEntryRefID     | C | String | ID of changing request. Is being sent only for MDUpdateAction = 1 (Change).                  |
| → 55  | Symbol           | N | String | Currency pair shown as CCY1/CCY2   |
| → 270 | MDEntryPx        | N | Price  | Price of entry   |
| → 271 | MDEntrySize      | N | Qty    | Size of entry  |
| → 276 | QuoteCondition   | N | char   | Quote status:<br>A – active quote<br>B – indicative quote<br>If absent, the quote is active. |
| 11021 | StreamID         | N | String | The ID for the stream (for multi-stream pricing only)  |
|       | Standard Trailer | Y |        |  |

## Market Data Request Reject

| Tag   | Field Name       | Req'd |        | Description   |
|-------|------------------|-------|--------|---|
|       | Standard Header  | Y     |        | MsgType = Y   |
| 262   | MDReqID          | Y     | String | Unique request ID   |
| 281   | MDReqRejReason   | Y     | char   | In current version is always equal to 99 — Unknown Reason |
| 58    | Text             | Y     | String | Error description   |
| 11021 | StreamID         | N     | String | The ID for the stream (for multi-stream pricing only)     |
|       | Standard Trailer | Y     |        |   |

## Security List Request

| Tag   | Field Name              | Req'd | Type   | Description   |
|-------|-------------------------|-------|--------|---|
|       | Standard Header         | Y     |        | MsgType = x   |
| 320   | SecurityReqID           | Y     | string | Unique request ID                                     |
| 559   | SecurityListRequestType | Y     | int    | Supported values:<br>0 -SYMBOL                        |
| 11021 | StreamID                | N     | String | The ID for the stream (for multi-stream pricing only) |
|       | Standard Trailer        | Y     |        |   |

## Security List

| Tag | Field Name            | Req'd | Type   | Description  |
|-----|-----------------------|-------|--------|--|
|     | Standard Header       | Y     |        | MsgType = y  |
| 320 | SecurityReqID         | Y     | string | Unique request ID                                      |
| 322 | SecurityResponseID    | Y     | string | Unique response ID                                     |
| 560 | SecurityRequestResult | Y     | int    | The result of request processing:<br>0 – Valid Request |

|                  |               |   |              |  |
|------------------|---------------|---|--------------|--|
|                  |               |   |              | 1 – Invalid or Unsupported Request   |
| 146              | NoRelatedSym  |   | NumInGroup   | The number of instruments  |
| → 55             | Symbol        | Y | string       | Currency pair shown as CCY1/CCY2   |
| → 64             | SettlDate     | N | LocalMktDate | If received, contains value date for the instrument.   |
| → 11001          | BasePoint     | N | Price        | Point size. For example, 0.0001 for EUR/USD  |
| → 11002          | RatePrecision | N | Price        | Price precision. For example, 0.0001 for EUR/USD   |
| → 11003          | MinReqQty     | N | Qty          | Minimal size of order (not limited if this field is empty).  |
| → 11004          | MaxReqQty     | N | Qty          | Maximal size of order (not limited if this field is empty).  |
| → 11005          | StepReqQty    | N | Qty          | Minimal step of order changing. For example, if StepReqQty = 10000, then OrderQty = 100000 and OrderQty = 110000 – correct size, and OrderQty = 105000 – incorrect size. Not limited if this field is empty. |
| 58               | Text          | N | string       | Error description  |
| 11021            | StreamID      | N | String       | The ID for the stream (for multi-stream pricing only)  |
| Standard Trailer |               | Y |              |  |

## 6 Trade Session

### 6.1 Supported orders types and features

FX Aggregator System supports the following order types:

- **Limit.** Executed when market rate reach specific set price.
- **Stop-Loss.** Market order, activation of which is dependent upon a specific price level being reached or surpassed. E.g., a stop-loss buy order becomes a market order when the market rate is at or above the stop price, while a stop-loss sell order becomes a market order when the market rate is at or below the stop price.
- **Market.** Simple order to buy or sell immediately, which is executed at the best current price, available in the system.

#### Supported Order Expiry Types

- **Good Till Cancel (GTC).** Orders with this expiry setting remain active until either executed or explicitly canceled by the client.
- **Immediate or Cancel (IOC).** The order is immediately executed at prices from the whole book available at FX Aggregator. If no match is found, the order or remaining part of it are canceled.

FX Aggregator supports partial execution of orders (partial fills).

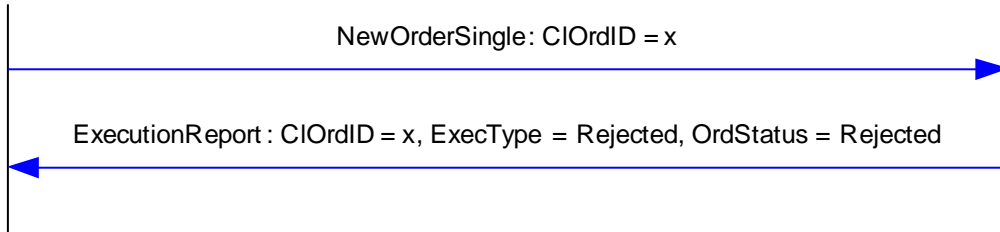
Client can change or cancel his orders. Order parameters such as size and price can be changed in already set order without having to cancel and resubmit it. Client can cancel the set order, but only active (unexecuted or partially executed) order can be. Cancel requests can be rejected by the system if the order is currently being processed by the system.

In current version when client disconnects from the gateway all active orders remain active and may be executed during disconnect. Their status can be obtained at next connection to the server.

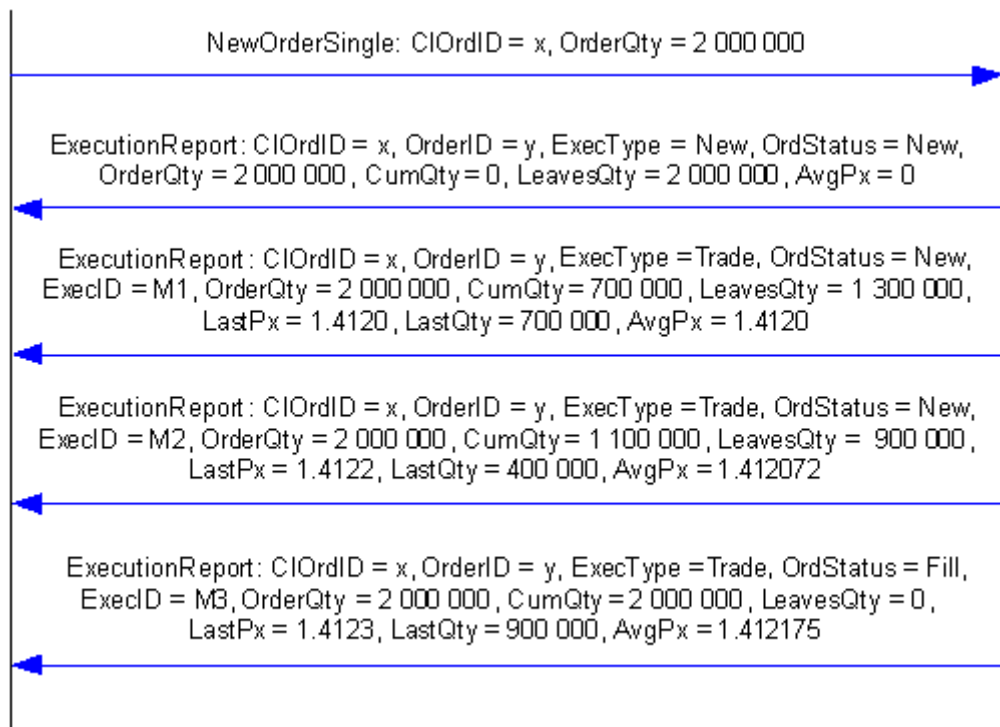
## 6.2 Order Management Flow

### Typical pattern of setting and execution of order.

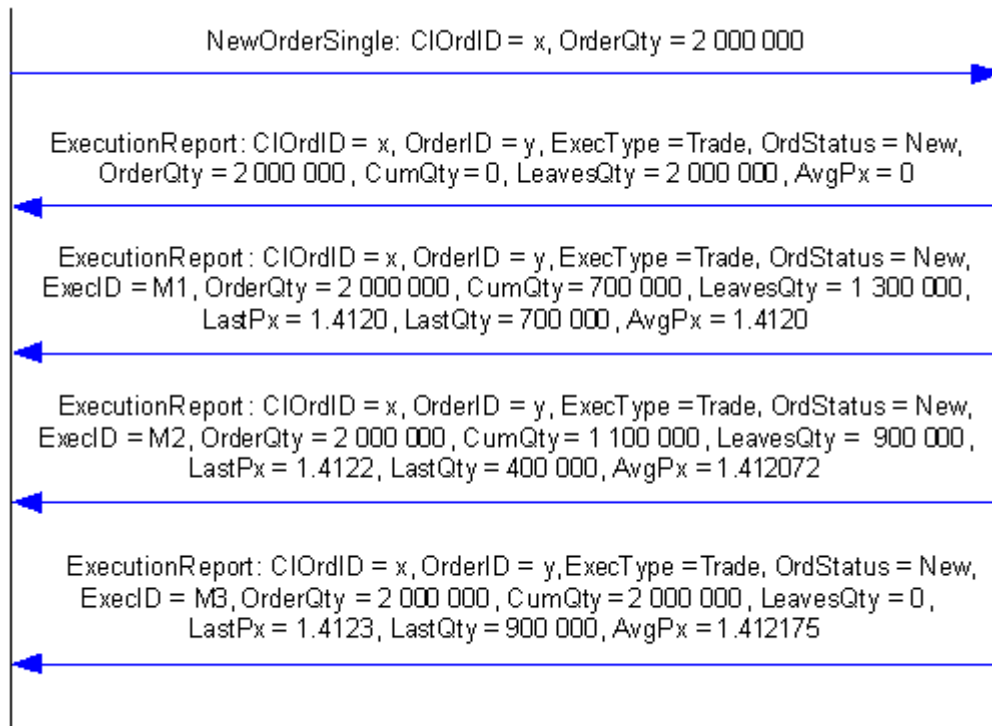
#### Unsuccessful setting:



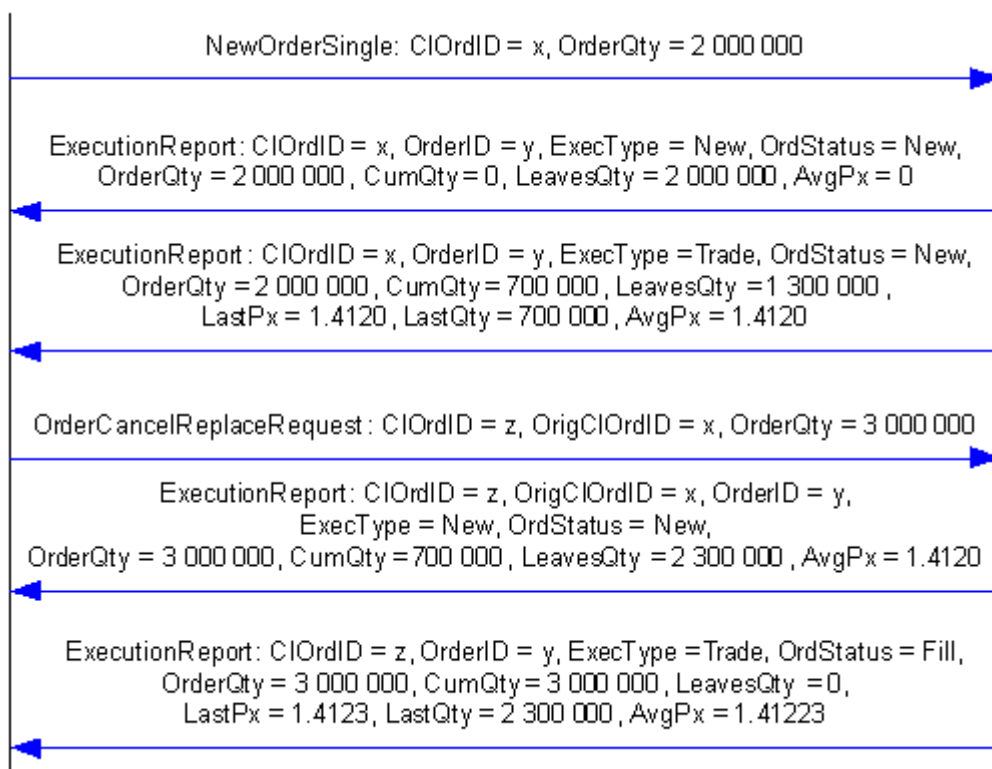
#### Successful setting and execution:



**Typical pattern of setting and cancelling order (including partial execution).**



**Typical pattern of setting and modifying order (including partial execution).**



## 6.3 Message Format

### New Order - Single

| Tag              | Field Name   | Req'd | Type          | Description  |
|------------------|--------------|-------|---------------|--|
| Standard Header  |              | Y     |               | MsgType = D  |
| 1                | Account      | N     | string        | Allows to specify an account that is going to be used for a specific deal. This tag can be used only after an agreement with a quote provider. |
| 11               | ClOrdID      | Y     | string        | Unique request ID  |
| 21               | HandlInst    | N     | char          | Supported values:<br>1 – Automated Execution Order Private<br>2 – Automated Execution Order Public<br>Not executed in current version.         |
| 55               | Symbol       | Y     | string        | Currency pair shown as CCY1/CCY2   |
| 54               | Side         | Y     | char          | Supported values:<br>1 – Buy<br>2 – Sell   |
| 60               | TransactTime | Y     | UTCTimestamp  | Time when order request was released by trader or trading system.  |
| 38               | OrderQty     | Y     | Qty           | Order size in base currency  |
| 40               | OrdType      | Y     | char          | Supported values:<br>1 – Market<br>2 – Limit<br>3 – Stop   |
| 44               | Price        | Y     | Price         | Price of order execution.<br>For Market order (tag 40 = 1) is ignored.   |
| 59               | TimeInForce  | Y     | Char          | Supported values:<br>1 – Good Till Cancel (GTC)<br>3 – Immediate or Cancel (IOC)<br>101 – Good Till Time<br>102 – Good During Time             |
| 126              | ExpireTime   | C     | UTCTime stamp | Time of order activity.<br>Have to be specified if TimeInForce = A или B   |
| 210              | MaxShow      | N     | Qty           | If not present then MaxShow = OrderQty   |
| 11030            | RefPrice     | N     | Price         | Reference price  |
| Standard Trailer |              | Y     |               |  |

#### Notes:

1. For TimeInForce = Good Till Time (101) ExpireTime field defines date and time of order expiration. For example, ExpireTime = '20110630-15:30:00' means that on July 30, 2011 at 15:30:00 UTC the order (or part of it which remained not executed) will be automatically cancelled.
2. For TimeInForce = Good During Time (102) ExpireTime field defines order time of activity starting from the moment of setting. In that case only part containing time is used. For example, ExpireTime = '00000000-00:01:30' means that order order (or part of it which remained not executed) will be automatically cancelled after 30 seconds from the moment of setting.



## Execution Report

| Tag | Field Name         | Req'd | Type   | Description  |
|-----|--------------------|-------|--------|--|
|     | Standard Header    | Y     |        | MsgType = 8  |
| 1   | Account            | N     | string | The value from NewOrder-Single request   |
| 37  | OrderID            | C     | String | Order ID set by FX Aggregator<br>Not used when ExecType = '8' (Rejected)   |
| 11  | ClOrdID            | Y     | String | Unique request ID  |
| 41  | OrigClOrdID        | C     | String | Conditionally required for response to an electronic Cancel or Cancel/Replace request (ExecType=PendingCancel, Replace, or Canceled). ClOrdID of the previous accepted order when canceling or replacing an order. |
| 17  | ExecID             | Y     | String | Unique ExecutioReport message ID   |
| 150 | ExecType           | Y     | char   | Supported values:<br>0 – New<br>F – Trade<br>4 – Canceled<br>5 – Replaced<br>8 – Rejected<br>C – Expired   |
| 39  | OrdStatus          | Y     | char   | Supported values:<br>0 – New<br>2 – Fill<br>4 – Canceled<br>8 – Rejected<br>C – Expired  |
| 103 | OrdRejReason       | C     | int    | Shows the reason of ExecType = '8' (Rejected)  |
| 55  | Symbol             | Y     | String | Currency pair shown as CCY1/CCY2   |
| 54  | Side               | Y     | char   | Supported values:<br>1 – Buy<br>2 – Sell   |
| 15  | Currency           | N     | String | Deal currency  |
| 38  | OrderQty           | Y     | Qty    | Order size in base currency  |
| 231 | ContractMultiplier | N     | Float  | Contract size  |
| 40  | OrdType            | Y     | char   | Supported values:<br>1 – Market<br>2 – Limit<br>3 – Stop   |
| 44  | Price              | Y     | Price  | Price of order execution.<br>Ignored for Market order (tag 40 = 1).  |
| 32  | LastQty            | C     | Qty    | Last trade quantity if ExecType = Trade or Fill or PartialFill   |
| 31  | LastPx             | C     | Qty    | Last trade price if ExecType = Trade or Fill or PartialFill  |
| 151 | LeavesQty          | Y     | Qty    | Quantity open for further execution. If the OrdStatus is Canceled, Expired, or Rejected (in which case the order is no   |

|       |                  |   |                |  |
|-------|------------------|---|----------------|--|
|       |                  |   |                | longer active) then LeavesQty could be 0, otherwise LeavesQty = OrderQty - CumQty  |
| 14    | CumQty           | Y | Qty            | Currently executed size  |
| 6     | AvgPx            | Y | Price          | Average exec price   |
| 59    | TimeInForce      | Y | Char           | Supported values:<br>1 – Good Till Cancel (GTC)<br>3 – Immediate or Cancel (IOC)<br>101 – Good Till Time<br>102 – Good During Time |
| 126   | ExpireTime       | C | UTC Time stamp | Time of order activity.<br>Have to be specified if TimeInForce = A or B  |
| 21    | HandlInst        | N | char           | Supported values:<br>1 – Automated Execution Order Private<br>2 – Automated Execution Order Public                                 |
| 210   | MaxShow          | N | Qty            | If not present then MaxShow = Full   |
| 11030 | RefPrice         | N | Price          | Reference price  |
| 64    | SettlDate        | C |                | SettlDate if ExecType = Trade or Fill or PartialFill   |
| 584   | MassStatusReqID  | C | String         | Required if responding to an Order Mass Status Request. Echo back the value provided by the requester.                             |
| 58    | Text             | N |                |  |
| 75    | TradeDate        | N | Local Mkt Date | Trade Date   |
| 60    | TransactTime     | N | UTC Time stamp | Trade Time   |
| 11033 | BaseCcy          | C | String         | Base currency of the last deal   |
| 11034 | BaseQty          | C | Qty            | Quantity of base currency of the last deal   |
| 11035 | TermCcy          | C | String         | Counter currency of the last deal  |
| 11036 | TermQty          | C | Qty            | Quantity of counter currency of the last deal  |
|       | Standard Trailer | Y |                |  |

\*Value «2 – Fill» will be supported if necessary.

## Order Cancel/Replace Request

| Tag | Field Name      | Req'd | Type         | Description                                 |
|-----|-----------------|-------|--------------|---|
|     | Standard Header | Y     |              | MsgType = G                                 |
| 11  | ClOrdID         | Y     | String       | Unique request and new (changing) order ID. |
| 41  | OrigClOrdID     | Y     | String       | Changed order (ClOrdID) ID.                 |
| 55  | Symbol          | Y     | String       | Required by FIX, but not used               |
| 54  | Side            | Y     | char         | Required by FIX, but not used               |
| 60  | TransactTime    | Y     | UTCTimestamp | Required by FIX, but not used               |

|                  |          |   |       |   |
|------------------|----------|---|-------|---|
| 38               | OrderQty | Y | Qty   | New order quantity (OrderQty). Must be no less than already executed size (CumQty from ExecutionReport) |
| 40               | OrdType  | Y | char  | Required by FIX, but not used   |
| 44               | Price    | Y | Price | New order price   |
| 210              | MaxShow  | N | Qty   | New show quantity.<br>If not present then MaxShow = OrderQty.   |
| 11030            | RefPrice | N | Price | Reference price   |
| Standard Trailer |          | Y |       |   |

## Order Cancel Request

| Tag              | Field Name   | Req'd | Type         | Description                   |
|------------------|--------------|-------|--------------|-------------------------------|
| Standard Header  |              | Y     |              | MsgType = F                   |
| 11               | ClOrdID      | Y     | String       | Unique request ID.            |
| 41               | OrigClOrdID  | Y     | String       | Cancelled order (ClOrdID) ID. |
| 55               | Symbol       | Y     | String       | Required by FIX, but not used |
| 54               | Side         | Y     | char         | Required by FIX, but not used |
| 60               | TransactTime | Y     | UTCTimestamp | Required by FIX, but not used |
| 38               | OrderQty     | Y     | Qty          | Required by FIX, but not used |
| Standard Trailer |              | Y     |              |                               |

## Order Cancel Reject

| Tag              | Field Name       | Req'd | Type   | Description   |
|------------------|------------------|-------|--------|---|
| Standard Header  |                  | Y     |        | MsgType = 9   |
| 37               | OrderID          | Y     | String | If CxlRejReason="Unknown order", OrderID = "NONE"   |
| 11               | ClOrdID          | Y     | String | Unique request ID.  |
| 41               | OrigClOrdID      | Y     | String | Changed/Cancelled order (ClOrdID) ID.   |
| 39               | OrdStatus        | Y     | String | Order Status  |
| 434              | CxlRejResponseTo | Y     | char   | Identifies the type of request that a Cancel Reject is in response to.<br>Valid values:<br>1 = Order Cancel Request<br>2 = Order Cancel/Replace Request |
| 103              | OrdRejReason     | N     | int    |   |
| 58               | Text             | N     | String |   |
| Standard Trailer |                  | Y     |        |   |

## 7 Annex 1

### User-defined fields

| Tag   | Field Name     | Type   | Description  |
|-------|----------------|--------|--|
| 11001 | BasePoint      | Price  | Point size, e.g. 0.0001 for EUR/USD  |
| 11002 | RatePrecision  | Price  | Price precision, e.g. 0.00001 for EUR/USD  |
| 11003 | MinReqQty      | Qty    | Minimal size of order (not limited if this field is empty)   |
| 11004 | MaxReqQty      | Qty    | Maximal size of order (not limited if this field is empty).  |
| 11005 | StepReqQty     | Qty    | Minimal step of order changing. For example, if StepReqQty = 10000, then OrderQty = 100000 and OrderQty = 110000 – correct size, and OrderQty = 105000 – incorrect size. Not limited if this field is empty. |
| 11010 | MarketDataType | int    | Quote mode.  |
| 11020 | CAList         | String | List of available counterparties, separated by «;» symbol.<br>Example 1: Alfabank<br>Example 2: Hotspot, Currenex; FXAll   |
| 11021 | StreamID       | String | The ID for the stream (for multi-stream pricing)   |
| 11030 | RefPrice       | Price  | Reference price  |

### Limitations:

- The length of string ID have to be no more than 32 characters.