

base

EXCHANGE

DropCopy - FIX



DropCopy Protocol

This document provides essential information regarding the **Drop Copy Service Protocol**, referred to as the **Droport Protocol**.

Authorized market participants will send orders to buy or sell through ALO or ALO FIX Gateway, all outbound messages sent by each participant session can be copied and sent back via a Droport session.

Base Exchange uses FIX 4.4 as the protocol for this service and the application messages sent will use the same schema/fields as the FIX Order Entry Gateway. Session layer follows the standard FIX 4.4 protocol (administrative messages: Logon/Logout, etc), standard message header and trailer are expected in inbound messages according to the FIX 4.4 protocol rules.

Disclaimer: This document is a work in progress and should not be considered as final. It is subject to further revisions and modifications pending approval from regulatory agencies. Any information contained herein is preliminary and may be subject to change.

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1. Summary

Droport is an application that delivers real-time information about order entry that takes place on trading platform in FIX format.

Each host can be configured to send each ALO/FIX outbound messages or only trades of one or multiple ALO/FIX order entry hosts.

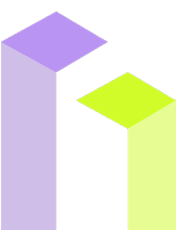
No inbound messages are allowed, any inbound message sent will be silently ignored.

2. User setup

It is the Trading Member's responsibility to request the creation of its Droport Sessions.

2.1 Parameters

1. Password
2. Network
 - The exchange shall provide the IP address, port, SenderCompId and TargetCompId where each FIX session listens for client applications to connect
 - Note: each FIX session can have only one active connection at a time
3. Connection Origin
 - Trading member, Technology Provider or Investor



3. Outbound Messages

3.1 Execution Report <8>

Tag	FieldName	Required	Comment
37	OrderID	Y	
11	ClOrdID	Y	
17	ExecID	Y	
150	ExecType	Y	
39	OrdStatus	Y	
55	Symbol	Y	
38	OrderQty	Y	
54	Side	Y	
151	LeavesQty	Y	
14	CumQty	Y	
6	AvgPx	Y	
40	OrdType	N	
44	Price	N	
59	TimInForce	N	
1	Account	N	
111	MaxFloor	N	
2362	SelfMatchPreventionID	N	
432	ExpireDate	N	
103	OrdRejReason	N	
378	ExecRestatementReason	N	Required for unsolicited cancel reports
19	ExecRefID	N	Required for ExecType <150>=Trade Cancel.
41	OrigClOrdID	N	Required for a response to a Cancel or Cancel/Replace request.

382	NoContraBrokers	N	Required for ExecType <150>=Trade.
375	ContraBroker	N	Required for ExecType <150>=Trade. Note this field is nested in a repeating group.
32	LastQty	N	Required for ExecType <150>=Trade.
31	LastPx	N	Required for ExecType <150>=Trade.
851	LastLiquidityInd	N	Required for ExecType <150>=Trade.
58	Text	N	Free format

3.2 Order Cancel Reject <9>

When dropping FIX session`s messages the dropport session can also send messages of this type.

Tag	FieldName	Required	Comment
37	OrderID	Y	Unique identifier for Order as assigned by the exchange.
41	OrigClOrdID	Y	ClOrdID which could not be canceled/replaced.
11	ClOrdID	Y	Unique identifier for the Order Cancel Request or the Order Cancel Replace Request, as assigned by the client.
39	OrdStatus	Y	Order status value after this cancel reject is applied.
434	CxlRejResponseTo	Y	Identifies the type of request being replied.
102	CxlRejReason	N	Code to identify reason for cancel rejection. Codes: same as ALO +1000
103	OrdRejReason	N	Code to identify reason for new order rejection. Codes: same as ALO +1000
58	Text	N	Free format.



Reason Number	Code
2	ExchangeClosed
6	Duplicate
99	Other
1007	Halted
1009	InvalidSide
1014	NoRefPrice
1015	AccountNotAuthorized
1019	InvalidQuantity
1010	InternalGTError
1020	PriceOutsideRange
1021	PostOnly
1022	MaximumNumOrders
1023	InvalidSymbol
1029	InvalidPrice
1041	PortMessageRateRestriction
1048	MaxVolumeExceeded
1050	InvalidTimeInForce
1051	InvalidPostOnly
1052	InvalidAttributable
1101	AggregateExposure
1102	FirmExposure
1104	AccountExposure
1105	SecurityExposure

3.3 Business Message Reject <j>

When dropping FIX session`s messages the dropport session can also send messages of this type.

Tag	FieldName	Required	Comment
372	RefMsgType	Y	The MsgType <35> of the FIX message being referenced.
380	BusinessRejectReason	Y	3 = Unsupported Message Type 4 = Application not available

