BTS® FIX Sell-Side Gateway

Borsa Italiana Cash and Derivatives Markets

FIX 4.2 Protocol Specification Guide

v. ~~3.0.5~~3.0.6

~~September~~ October 2017

Contents

Index

BTS® FIX Sell-Side Gateway
~~September~~ October 2017

1 Revision History

Date	Version	Description	Author
June 2017	3.0.0	MiFID II adaptions, document rebranding	Borsa Italiana
August 2017	3.0.1	• Removed unnecessary fields from the order cancel request message • Amendments to new order – cross message • Clarification on reserved values for tags 448 (PartyID) and 2376 (PartyRoleQualifier)	Borsa Italiana
August 2017	3.0.2	• Fixed tag of field WaiverFlagValue • Added CrossID to New Order ~~-~~ – Cross message • Moved some fields into NoSides group in New Order ~~-~~ – Cross Message • Modified OrdType for New Order ~~-~~ – Cross message • Added specific ExecutionReport message for Cross Order entry • PartyRoleQualifier set to non mandatory	Borsa Italiana
September 2017	3.0.3	• Removed DeferralFlag and DeferralFlagValue fields • Fixed tag of field WaiverFlag	Borsa Italiana

		• Fixed tag of field WaiverFlagValue number (8014)	
September 2017	3.0.4	• Tag 581 (AccountType) removed	Borsa Italiana
September 2017	3.0.5	• Tag 528 (orderCapacity) replaced with custom tag 6582 as 528 is not in the FIX 4.2 standard	Borsa Italiana
October 2017	3.0.6	• Replaces tag 59 with tag 5251 (time in force) in the execution report messages	Borsa Italiana

2 Introduction

This document describes specifically the message format of the implementation of the FIX interface of the application GFIXOR.

Changes from the versions 2.X.X are highlighted in yellow.

2.1 References

1. FIX Protocol Specification Version 4.2. Mar 1, 2000 (see http://www.fixprotocol.org)

3 User defined fields

In order to provide maximum flexibility for its users, the FIX protocol accommodates user-defined fields. These fields are intended to be implemented between consenting trading partners. The tag numbers 5000 to 9999 have been reserved for use with user defined fields and can be registered/reserved via the FIX website. The tag numbers greater than or equal to 10000 have been reserved for internal use (within a single firm) and do not need to be registered/reserved via the FIX websiteOrder entry.

In GFIXOR some user defined fields are used to provide special features implemented by the underlying markets.

4 Configuration

4.1 Connection parameters

GFIXOR communicates with its clients by means of a TCP connection. Clients must provide a username and a password for the authentication procedure.
Borsa Italiana will provide all clients with an IP address and a TCP port number (see below), a firm code, a username and a password.

CDS environment:

Target IP: 194.169.15.168

TCP port = 34910

Production environment:

Target IPs: 194.169.15.134; 194.169.15.135

TCP port = 34910

4.2 Encryption

This release of GFIXOR does not support encryption.

4.3 Date and Time

All messages which require date and time values will adhere to the FIX Protocol 4.2 convention. The format is YYYYMMDD-HH:MM:SS.mmmuuu

5 Message header and trailer

All messages exchanged between GFIXOR and its FIX client must contain an header and a trailer, as specified by the FIX protocol.

5.1 Header for messages from client to GFIXOR

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
8	BeginString	Y	String	"FIX.4.2"
9	BodyLength	Y	int	Must be second field in message (see FIX protocol specification).
35	MsgType	Y	String	Must be third field in message. (see FIX protocol specification).
49	SenderCompID	Y	String	Compound field in the form: *firm_id#username* where *firm_id* is an assigned value used to identify firm sending message and *username* is a code for authentication purpose (togheter with the password specified in the logon message).
56	TargetCompID	Y	String	Assigned value used to identify receiving market: XMILITMMDMI (IDeM)
34	MsgSeqNum	Y	int	See FIX protocol specification.
43	PossDupFlag	N	Boolean	Always required for retransmitted messages, whether prompted by the sending system or as the result of a resend request (see FIX protocol specification).
97	PossResend	N	Boolean	Required when message may be duplicate of another message sent under a different sequence number (see FIX protocol specification.)

52	SendingTime	Y	UTCTimestamp	Time of message transmission, with microseconds (always expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
122	OrigSendingTime	N	UTCTimestamp	Required for message resent as a result of a ResendRequest. If data is not available set to same value as SendingTime (see FIX protocol specification). Format: YYYYMMDD-HH:MM:SS.mmmuuu

5.2 Header for messages from GFIXOR to client

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
8	BeginString	Y	String	"FIX.4.2"
9	BodyLength	Y	int	Must be second field in message (see FIX protocol specification).
35	MsgType	Y	String	Must be third field in message. (see FIX protocol specification).
49	SenderCompID	Y	String	Underlying market identification, as specified in the first logon message.
56	TargetCompID	Y	String	Counterpart firm identification, as specified in the first logon message.
34	MsgSeqNum	Y	int	See FIX protocol specification.
43	PossDupFlag	N	Boolean	Always required for retransmitted messages, whether prompted by the sending system or as the result of a resend request (see FIX protocol specification).

97	PossResend	N	Boolean	Required when message may be duplicate of another message sent under a different sequence number (see FIX protocol specification.)
52	SendingTime	Y	UTCTimestamp	Time of message transmission, with microseconds (always expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
122	OrigSendingTime	N	UTCTimestamp	Required for message resent as a result of a ResendRequest. If data is not available set to same value as SendingTime (see FIX protocol specification). Format: YYYYMMDD-HH:MM:SS.mmmuuu

6 Administrative messages

6.1 Logon from client to GFIXOR

Tag	Field Name	Req'd	Format	Comments
	Standard Header	Y		MsgType = A
98	EncryptMethod	Y	int	Always 0 (unencrypted).
108	HeartBtInt	Y	int	Always 30.
95	RawDataLength	Y	int	Length, in bytes, of the authentication code specified in tag 96.
96	RawData	Y	data	Authentication password
	Standard Trailer	Y		

6.2 Logon from GFIXOR to client.

Tag	Field Name	Req'd	Format	Comments
	Standard Header	Y		MsgType = A
98	EncryptMethod	Y	int	Always 0 (unencrypted).
108	HeartBtInt	Y	int	Always 30.
	Standard Trailer	Y		

6.3 Logout

Tag	Field Name	Req'd	Format	Comments
	Standard Header	Y		MsgType = 5
58	Text	N	String	Reason description for the logout.
	Standard Trailer	Y		

6.4 Heartbeat

The Heartbeat message must have the format described in [1].

6.5 Test Request

The Test Request message must have the format described in [1].

6.6 Resend Request

The Resend Request message must have the format described in [1].

6.7 Reject (session level)

The Reject (session level) message must have the format described in [1].

6.8 Sequence Reset (Gap Fill)

The Sequence Reset (Gap Fill) message must have the format described in [1].

7 Order management

GFIXOR currently supports the New Order Single, Order Modification Request and Order Cancel Request FIX messages.

7.1 New Order – Single

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = D
1	Account	Y	String	Account mnemonic as agreed between buy and sell sides, e.g. broker and institution or investor/intermediary and fund manager.
55	Symbol	Y	String	Security code as accepted by the exchange. - Instrument identifier [BORSA ITALIANA MIT markets] - SICO code [SOLA IDeM]
54	Side	Y	char	Side of order Valid values: 1 = Buy 2 = Sell
38	OrderQty	Y	Qty	Quantity ordered.
21	HandlInst	Y	char	Instructions for order handling on Broker trading floor Only valid value: 2 = Automated execution order, public, Broker intervention OK
110	MinQty	N	Qty	Minimum quantity
5251	TimeInForce	N	Char	Specifies how long the order remains in effect. Valid values: 0 = Day 1 = Good Till Cancel (GTC) 2 = At the Opening (OPG) 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK) 6 = Good Till Date (GTD) 7 = At the Close (ATC) 8 = Deferred Display (DD) 9 = Display On Book (DOB) A = Good in Closing Auction (GCA)

				C = Good for Intra-Day Auction (GFX) D = Good for Auction (GFA) X = Closing Price Cross (CPX) NOTE: If not specified, the field takes “0” as default value.
432	ExpireDate	N	LocalMktDate	Date of order expiration (last day the order can trade), always expressed in terms of the local market date. Conditionally required if TimeInForce = GTD and ExpireTime is not specified.
126	ExpireTime	N	UTCTimestamp	Time/Date of order expiration with microseconds, always expressed in UTC (Universal Time Coordinated, also known as “GMT”). Format: YYYYMMDD-HH:MM:SS.mmmuuu Conditionally required if TimeInForce = GTD and ExpireDate is not specified.
5252	QtyParam	N	char	Expresses the quantity condition on which the security is to be traded. Valid values: 4 = Fill Minimum Quantity (FMQ) A = Odd Lot (ODL)
40	OrdType	N	char	Order type: 1 = Market 2 = Limit NOTE: This field is mandatory if OrderTypeExt is not used.
5253	OrdTypeExt	N	char	Extended order type. Valid values: 1 = Market 2 = Limit 3 = Stop 4 = Stop Limit J = Market If Touched (MIT) K = Market with Leftover as Limit (market order then unexecuted quantity becomes limit order at last price met) P = Exchange for Physical (SOLA IDEM only) Q = Market at Any Price with Leftover as Limit (market order that executes any price available, then unexecuted quantity

				becomes limit order at last price met) R = Interbank S = Market Limit If Touched (MIT) T = Committed Principal. NOTE: This field is mandatory if OrderType is not used.
337	ContraTrader	N	String	Required if OrderType is R (Interbank/Committed). The tag is the opposite firm when entering Committed Order.
111	MaxFloor	N	Qty	Maximum number of shares within an order to be shown on the exchange floor at any given time.
1084	DisplayMethod	N	int	Valid only for BORSA ITALIANA MIT markets. If this is populated with value 3 while a value which is greater than 0 and less than the Order Quantity is populated in MaxFloor (111), the MaxFloor (111) after a replenishment will be random. If not sent, while a positive value less than the Order Quantity is populated in MaxFloor (111), the MaxFloor (111) after a replenishment will be the original MaxFloor (111). Valid values: 3 = Random (randomize value) 4 = Undisclosed (Reserve Order)
44	Price	N	Price	Price per share.
99	StopPx	N	Price	Price per share. Required for: OrdTypeExt = “Stop”, OrdTypeExt = “Stop limit”, OrdTypeExt = “MIT” OrdTypeExt = “MIT limit”.
5255	StopPxCondition	N	char	Can be used to specify the Stop Order trigger condition. Valid values: 0 = Last trade price 1 = Best Bid Price 2 = Best Ask Price
1091	PreTradeAnonymity	N	Boolean	Allows trader to explicitly request anonymity

				or disclosure in pre-trade market data feeds. Anonymity is relevant in markets where counterparties are regularly disclosed in order depth feeds. Disclosure is relevant when counterparties are not normally visible. Valid values: Y = Anonymous N = Named NOTE: If not specified, the field takes "N" as default value
6582	CustOrderCapacity	N	char	Designates the capacity of the firm placing the order (BORSA ITALIANA MIT markets). Valid values: A = Any other trading capacity (AOTC) P = Dealing on own account (DEAL) – Principal R = Matched Principal (MTCH) NOTE: If not specified, the field takes "A" as default value
6529	OrderRestrictions	N	char	Restrictions associated with an order. Valid values: 4 = Competing Market Maker (liquidity provider) 5 = Acting as Specialist in the security 8 = External Market Participant (non specialist)
5250	CustomerType	N	int	Valid values: 21 = Member 22 = Institutional customer (interconnected) 23 = Private customer (interconnected) 24 = Organizational unit (interconnected) 25 = Branch of Bank 26 = Online Retail Trading
77	PositionEffect	N	char	For options only. Valid Values: O = Open C = Close N = Default for the account.
828	TrdType	N	int	Type of Trade. Required for OrdTypeExt ="R". Valid values: 0 = Regular Trade

					1 = Block Trade.
453	NoPartyID		Y	int	Number of PartyID repeating group instances.
→	**448**	**PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).
2593	NoOrderAttribute		N	int	Number of Order Attributes. For SOLA markets this field is mandatory and must be set to 2.
→	**2594**	**OrderAttributeType**	N	int	Provides the ability to specify if the order was generated via an algorithm. Valid values: 2 = Liquidity Provision activity order (SOLA markets only) 4 = Algorithm For SOLA markets this field is mandatory.
→	**2595**	**OrderAttributeValue**	N	char	Required to be specified if

				OrderAttributeType (2594) is specified. Valid values: Y = Yes N = No For SOLA markets this field is mandatory.
1724	OrderOrigination	N	int	Provides the ability to indicate the involvement of Direct Electronic Access (DEA). Valid values: 5 = DEA
423	PriceType	N	char	Code to represent the price type. Valid values: C = Committed L = Limit (price set in message) M = at best opposite price (Top Order) O = at Opening price P = Exchange For Physical (SOLA IDEM only) W = at any price (Market Order) (blank): Unknown
406	FairValue	N	String	Text for Physical Leg. For SOLA markets this field is mandatory.
5172	TriggerSymbol	N	String	Contains the symbol used to trigger the order. Required for: OrdTypeExt = “Stop”, OrdTypeExt = “Stop limit”, OrdTypeExt = “MIT” OrdTypeExt = “MIT limit”.
11	ClOrdID	Y	String	Unique identifier of the order as assigned by institution. It must be in the format: **[***order_date_reference#***]***free_reference_alphanumeric* where *order_date_*reference is an optional order date reference that may not be more than one year prior to, nor exceed, the entry request date. The length of the *free_reference_alphanumeric* value cannot exceed: - 10 characters (BORSA ITALIANA MIT markets)

				- 6 characters (IDeM SOLA). Examples: ***01/05/2004#XhdySmm*** or, alternatively: ***uhjIOhnjba***
109	ClientID	N	String	Firm identifier used in third party transactions.
58	Text	N	String	Free format text string. The length of this value cannot exceed 16 characters. Useful only for SOLA markets: when specified, the text will be returned in the related ExecutionReport, if the order is accepted.
50	SenderSubID	N	String	Assigned value used to identify specific message originator (desk, trader, etc.).
5392	SenderGroupID	N	String	Assigned value used to identify specific message originator group.
60	TransactTime	Y	UTCTimestamp	Time, with microseconds, this order request was initiated/released by the trader or trading system (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
386	NoTradingSessions	N	int	Specifies the number of repeating TradingSessionIDs.
→	***336*** ***TradingSessionID***	N	String	Required if NoTradingSessions is > 0. Here it specifies the *entry market phase*.
	Standard Trailer	Y		

7.2 Order Modification Request

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = G
1	Account	N	String	Account mnemonic as agreed between buy and sell sides, e.g. broker and institution or investor/intermediary and fund manager.
55	Symbol	Y	String	Security code as accepted by the exchange. It must match the one in the original order. - Instrument identifier [BORSA ITALIANA MIT markets] - SICO code [SOLA IDeM]
54	Side	Y	char	Side of order Valid values: 1 = Buy 2 = Sell

38	OrderQty	Y	Qty	Quantity ordered.
21	HandlInst	Y	char	Instructions for order handling on Broker trading floor Only valid value: 2 = Automated execution order, public, Broker intervention OK
110	MinQty	N	Qty	Minimum quantity
5251	TimeInForce	N	Char	Specifies how long the order remains in effect. Valid values: 0 = Day 1 = Good Till Cancel (GTC) 2 = At the Opening (OPG) 3 = Immediate or Cancel (IOC) 4 = Fill or Kill (FOK) 6 = Good Till Date (GTD) 7 = At the Close (ATC) 8 = Deferred Display (DD) 9 = Display On Book (DOB) A = Good in Closing Auction (GCA) C = Good for Intra-Day Auction (GFX) D = Good for Auction (GFA) X = Closing Price Cross (CPX) NOTE: If not specified, the field takes “0” as default value.
432	ExpireDate	N	LocalMktDate	Date of order expiration (last day the order can trade), always expressed in terms of the local market date. Conditionally required if TimeInForce = GTD and ExpireTime is not specified.
126	ExpireTime	N	UTCTimestamp	Time/Date of order expiration with microseconds, always expressed in UTC (Universal Time Coordinated, also known as “GMT”). Format: YYYYMMDD-HH:MM:SS.mmmuuu Conditionally required if TimeInForce = GTD and ExpireDate is not specified.
5252	QtyParam	N	char	Expresses the quantity condition on which the security is to be traded. Valid values: 4 = Fill Minimum Quantity (FMQ) A = Odd Lot (ODL).
40	OrdType	N	char	Order type:

				1 = Market 2 = Limit NOTE: This field is mandatory if OrderTypeExt is not used.
5253	OrdTypeExt	N	char	Extended order type. Valid values: 1 = Market 2 = Limit 3 = Stop 4 = Stop Limit J = Market If Touched (MIT) K = Market with Leftover as Limit (market order then unexecuted quantity becomes limit order at last price met) P = Exchange for Physical (SOLA IDEM only) Q = Market at Any Price with Leftover as Limit (market order that executes any price available, then unexecuted quantity becomes limit order at last price met) R = Interbank S = Market Limit If Touched (MIT) T = Committed Principal. NOTE: This field is mandatory if OrderType is not used.
111	MaxFloor	N	Qty	Maximum number of shares within an order to be shown on the exchange floor at any given time.
44	Price	N	Price	Price per share.
99	StopPx	N	Price	Price per share. Required for: OrdTypeExt = "Stop", OrdTypeExt = "Stop limit", OrdTypeExt = "MIT" OrdTypeExt = "MIT limit".
5255	StopPxCondition	N	Char	Can be used to specify the Stop Order trigger condition. Valid values: 0 = Last trade price 1 = Best Bid Price 2 = Best Ask Price.
6529	OrderRestrictions	N	char	Restrictions associated with an order.

					Valid values: 4 = Competing Market Maker (liquidity provider) 5 = Acting as Specialist in the security 8 = External Market Participant (non specialist).
5250	CustomerType		N	int	Must match original order.
77	PositionEffect		N	char	For options only. Valid Values: O=Open C=Close N=Default for the account.
453	NoPartyID		Y	int	Number of PartyID repeating group instances.
→	**448**	**PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).

423	PriceType	N	char	Code to represent the price type. Valid values: C = Committed L = Limit (price set in message) M = at best opposite price (Top Order) O = at Opening price P = Exchange For Physical (SOLA IDEM only) W = at any price (Market Order) (blank): Unknown
58	Text	N	String	Free format text string. The length of this value cannot exceed 16 characters. Useful only for SOLA markets: when specified, the text will be returned in the related ExecutionReport, if the order is accepted.
5172	TriggerSymbol	N	String	Contains the symbol used to trigger the order. Required for: OrdTypeExt = "Stop", OrdTypeExt = "Stop limit", OrdTypeExt = "MIT" OrdTypeExt = "MIT limit".
11	ClOrdID	Y	String	Unique identifier of *replacement* order as assigned by institution. Note that this identifier will be returned in the ClOrdID field of the Cancel Reject message if the replacement request has been rejected. It must be in the format: **[***order_date_reference***#]***free_reference_alphanumeric* where *order_date_*reference is an optional order date reference that may not be more than one year prior to, nor exceed, the entry request date. The length of the *free_reference_alphanumeric* value cannot exceed: - 10 characters (BORSA ITALIANA MIT markets) - 6 characters (IDeM SOLA). Examples: ***01/05/2004#XhdySmm***

				or, alternatively: ***uhjlOhnjba***
41	OrigClOrdID	Y	String	ClOrdID of the previous order (NOT the initial order of the day).
109	ClientID	N	String	Firm identifier used in third party transactions.
50	SenderSubID	N	String	Assigned value used to identify specific message originator (desk, trader, etc.).
60	TransactTime	Y	UTCTimestamp	Time, with microseconds, this order request was initiated/released by the trader or trading system (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
386	NoTradingSessions	N	int	Specifies the number of repeating TradingSessionIDs
→	***336*** ***TradingSessionID***	N	String	Required if NoTradingSessions is > 0. Here it specifies the *entry market phase*.
37	OrderID	N	String	Market–assigned code of the order to be modified.

7.3 Order Cancel Request

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = F
55	Symbol	Y	String	Security code as accepted by the exchange. It must match the one in the original order. - Instrument identifier [BORSA ITALIANA MIT markets] - SICO code [SOLA IDeM]
41	OrigClOrdID	Y	String	ClOrdID of the previous order (NOT the initial order of the day) when cancelling or replacing an order.
37	OrderID	N	String	Market–assigned code of the order to be cancelled.
11	ClOrdID	Y	String	Unique identifier of *replacement* order as assigned by institution. Note that this identifier will be returned in the ClOrdID field of the Cancel Reject message if the replacement request has been rejected. It must be in the format: **[***order_date_reference#***]***free_reference_alpha numeric*

				where *order_date_*reference is an optional order date reference that may not be more than one year prior to, nor exceed, the entry request date. The length of the *free_reference_alphanumeric* value cannot exceed: - 10 characters (BORSA ITALIANA MIT markets) - 6 characters (IDeM SOLA). Examples: ***01/05/2004#XhdySmm*** or, alternatively: ***uhjlOhnjba***
54	Side	Y	Char	Side.
60	TransactTime	Y	UTCTimestamp	Time, with microseconds, this order request was initiated/released by the trader or trading system (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
40	OrdType	N	char	ler type: 1 = Market 2 = Limit NOTE: This field is mandatory if OrderTypeExt is not used.
5253	OrdTypeExt	N	char	Extended order type. Valid values: 1 = Market 2 = Limit 3 = Stop 4 = Stop Limit J = Market If Touched (MIT) K = Market with Leftover as Limit (market order then unexecuted quantity becomes limit order at last price met) P = Exchange for Physical (SOLA IDEM only) Q = Market at Any Price with Leftover as Limit (market order that executes any price available, then unexecuted quantity becomes limit order at last price met) R = Interbank S = Market Limit If Touched (MIT) T = Committed Principal.

				NOTE: This field is mandatory if OrderType is not used.
50	SenderSubID	N	String	Assigned value used to identify specific message originator (desk, trader, etc.).
	Standard Trailer	Y		

7.4 New Order – Cross

This type of message is not included in the FIX 4.2 standard protocol. In order to support the required functionality for the underlying markets, a non-standard message has been derived from the "New Order – Cross" adopted in the FIX 4.3 protocol.

Tag	*Field Name*		*Req'd*	*Format*	*Comments*
	Standard Header		Y		MsgType = s (non FIX 4.2 standard)
55	Symbol		Y	String	Security code
548	CrossID		Y	String	Unique identifier of the cross-order as assigned by institution.
38	OrderQty		Y	Qty	Quantity
21	HandlInst		Y	char	Instructions for order handling on Broker trading floor Only valid value: 2 = Automated execution order, public, Broker intervention OK
40	OrdType		Y	char	Can be used to specify the type of order the quote is for. Valid values: C = Committed
44	Price		N	Price	Price per share.
828	TrdType		N	int	Type of Trade. . 0 = Regular Trade 1 = Block Trade Note: Field is mandatory for IDeM
6552	NoSides		Y	int	Number of Side repeating group instances. Valid values: 2 = both sides
→	**54**	**Side**	Y	char	Side of order Valid values:

					1 = Buy 2 = Sell
→	**6582**	**CustOrderCapacity**	N	char	Designates the capacity of the firm placing the order (BORSA ITALIANA MIT markets). Valid values: A = Any other trading capacity (AOTC) P = Dealing on own account (DEAL) – Principal R = Matched Principal (MTCH) NOTE: If not specified, the field takes “A” as default value
→	**11**	**ClOrdID**	Y	String	Unique identifier of the order as assigned by institution. It can have any alphanumeric format.
→	453	NoPartyID	Y	int	Number of PartyID repeating group instances.
→ →	**448**	**PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→ →	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→ →	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→ →	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).

→	2593	NoOrderAttribute		N	int	Number of Order Attributes.
→	→	**2594**	**OrderAttributeType**	N	int	Provides the ability to specify if the order was generated via an algorithm. Valid values: 2 = Liquidity Provision activity order (SOLA markets only) 4 = Algorithm
→	→	**2595**	**OrderAttributeValue**	N	char	Required to be specified if OrderAttributeType (2594) is specified. Valid values: Y = Yes N = No
→	**1724**	**OrderOrigination**		N	int	Provides the ability to indicate the involvement of Direct Electronic Access (DEA). Valid values: 5 = DEA
→	**77**	**PositionEffect**		N	char	For options only. Valid Values: O = Open C = Close N = Default for the account.
→	**406**	**FairValue**		N	String	Text for Physical Leg. For SOLA markets this field is mandatory.
	423	PriceType		N	char	Code to represent the price type. Valid values: C = Committed L = Limit (price set in message) M = at best opposite price (Top Order) O = at Opening price P = Exchange For Physical (SOLA IDEM only) W = at any price (Market Order) (blank): Unknown
	58	Text		N	String	Free format text string. The length of this value cannot exceed 16 characters. Useful only for SOLA markets: when specified, the text will be returned in the related ExecutionReport, if the order is accepted.
		Standard Trailer		Y		

8 Replies to Transactions

GFIXOR notifies the replies to new order entries and to successful order modifications/cancels via Execution Report messages. It issues, instead, Order Cancel Reject messages upon receipt of order modification or cancel requests which cannot be honored.

8.1 Execution Report for single order entry or successful modification or cancel

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = 8
1	Account	N	String	Customer account number
57	TargetSubID	N	String	In the case of the message being received by the client, when the message is a response to a request sent by the client
11	ClOrdID	Y	String	Unique identifier of the order as assigned by institution.
55	Symbol	Y	String	Security code as accepted by the exchange. - Instrument identifier [BORSA ITALIANA MIT markets] - SICO code [SOLA IDeM]
37	OrderID	N	String	Market–assigned code of the order Required for OrdStatus = New or Replaced. NOTE: This tag value does not change for orders in BORSA ITALIANA MIT markets
41	OrigClOrdID	N	String	Conditionally required for response to a modification request (ExecType=Pending Replace or Replaced). ClOrdID of the previous order (NOT the initial order of the day) when replacing an order.
5254	OrigOrderID	N	String	OrderID of the previous order (NOT the initial order of the day) as assigned by the market. Required for OrdStatus = Replaced. NOTE: This tag value does not change for orders in BORSA ITALIANA MIT markets

17	ExecID	Y	String	Unique identifier for each Execution Report message. The value is in the following format: *UTCDate#ExecutionReportType#Side# InstrumentCode#OrderID* *ExecutionReportType* valid values: 0 = New order 1 = Order replaced 2 = Order canceled 6 = PendingCancel 7 = PendingReplace *Example =20050218#0#1#STM#75873* In case of OrdStatus equal to "Rejected", "Pending Cancel", "Pending Replace" and "Pending New", an internal timestamp will be returned in place of OrderID.
60	TransactTime	Y	UTCTimestamp	Date/time, with microseconds, the transaction represented by this ExecutionReport occurred (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
20	ExecTransType	Y	char	Identifies transaction type Valid values: 0 = New
636	WorkingIndicator	N	Boolean	Indicates if the order is currently being worked. Valid values for Stop orders are: N = Not triggered Y = Triggered Applicable only for OrdStatus = "New".
39	OrdStatus	Y	char	Identifies current status of order. If the order has been successfully replaced and has been totally filled, value is 2 (Totally filled) otherwise same values as ExecType.
150	ExecType	Y	char	Describes the type of execution report. Valid values: 0 = New 4 = Canceled 5 = Replaced 6 = Pending Cancel 8 = Rejected E = Pending Replace

103	OrdRejReason	N	int	For use with ExecType = 8 (Rejected) Valid values: 0 = Broker option 1 = Unknown Symbol 3 = Order exceeds limit 6 = Duplicated order.
77	PositionEffect	N	char	For options only. Valid Values: O = Open C = Close N = Default for the account.
58	Text	N	String	If an Order is rejected, this field will contain the market representation of the error. Only for SOLA markets: if an order is accepted, the text specified in the original order.
337	ContraTrader	N	String	Value submitted with the committed order. Only for SOLA markets
40	OrdType	N	String	Value submitted with the order.
5253	OrdTypeExt	N	String	Value submitted with the order.
~~59~~5251	TimeInForce	N	Char	Value submitted with the order.
126	ExpireTime	N	UTCTimestamp	Value submitted with the order.
432	ExpireDate	N	LocalMktDate	Value submitted with the order.
336	TradingSessionID	N	String	Value submitted with the order.
54	Side	Y	char	Side of the order. For reply to New Order - Cross the valid value is 8 = Cross.
38	OrderQty	Y	Qty	Quantity of the order.
151	LeavesQty	Y	Qty	Amount of shares open for further execution. If the OrdStatus is Canceled or Rejected (in which case the order is no longer active) then LeavesQty will be 0, otherwise LeavesQty = OrderQty - CumQty.
32	LastShares	Y	Qty	Will be "0" (non-fills report).
31	LastPx	Y	Price	Will be "0" (non-fills report).
14	CumQty	Y	Qty	Total number of shares filled.
6	AvgPx	Y	Price	Calculated average price of all fills on this order.
44	Price	N	Price	Required if specified on the order
99	StopPx	N	Price	Value submitted with the order.
1091	PreTradeAnonymity	N	Boolean	Value submitted with the order.
453	NoPartyID	Y	int	Number of PartyID repeating group instances.

→	**448**	**PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).
2593	NoOrderAttribute		N	int	Number of Order Attributes. For SOLA markets this field is mandatory and must be set to 2.
→	**2594**	**OrderAttributeType**	N	int	Provides the ability to specify if the order was generated via an algorithm. Valid values: 2 = Liquidity Provision activity order (SOLA markets only) 4 = Algorithm For SOLA markets this field is mandatory.
→	**2595**	**OrderAttributeValue**	N	char	Required to be specified if OrderAttributeType (2594) is specified. Valid values:

				Y = Yes N = No For SOLA markets this field is mandatory.
1724	OrderOrigination	N	int	Provides the ability to indicate the involvement of Direct Electronic Access (DEA). Valid values: 5 = DEA
406	FairValue	N	String	Text for Physical Leg. For SOLA markets this field is mandatory.
2669	WaiverFlag	N	int	For SOLA markets this field is mandatory and is always set to 0.
2670	WaiverFlagValue	N	int	Valid values for SOLA (derivatives) markets: 4 = Illiquid (ILQD) 5 = Above size (SIZE) 6 = Large in scale (LRGS) Valid values for BORSA ITALIANA MIT (cash) markets: 0 = NLIQ 1 = OILQ 4 = Pre-trade ILQD For SOLA markets this field is mandatory.
1084	DisplayMethod	N	int	Display method. Populated only by BORSA ITALIANA MIT markets. Valid values: 4 = Undisclosed (reserve)
16455	BestPriceSetter	N	int	Indicates the status of the Best Price Setter: Populated only by SOLA markets. Valid values: 0 = Order does not have the Best Price Setter status 1 = Order has the Best Price Setter status
847	CancellationAndAmendments	N	int	Cancellation and amendments flag. Populated only by SOLA markets.

				Valid values: 1 = Cancel 2 = Amend
6582	CustOrderCapacity	N	char	The value specified in the corresponding order. Populated only by BORSA ITALIANA MIT markets.
30001	OrderBook	N	int	Identifier of the order book. Populated only by BORSA ITALIANA MIT markets. Valid values: 1 = Regular 11 = RFQ Trades
	Standard Trailer	Y		

8.2 Execution Report for cross order entry

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = 8
57	TargetSubID	N	String	In the case of the message being received by the client, when the message is a response to a request sent by the client
11	ClOrdID	Y	String	Unique identifier of the order as assigned by institution.
55	Symbol	Y	String	Security code as accepted by the exchange. - Instrument identifier [BORSA ITALIANA MIT markets] - SICO code [SOLA IDeM]
37	OrderID	N	String	Market–assigned code of the order Required for OrdStatus = New or Replaced. NOTE: This tag value does not change for orders in BORSA ITALIANA MIT markets

17	ExecID	Y	String	Unique identifier for each Execution Report message. The value is in the following format: *UTCDate#ExecutionReportType#Side# InstrumentCode#OrderID* *ExecutionReportType* valid values: 0 = New order 1 = Order replaced 2 = Order canceled 6 = PendingCancel 7 = PendingReplace *Example =20050218#0#1#STM#75873* In case of OrdStatus equal to “Rejected”, “Pending Cancel”, “Pending Replace” and “Pending New”, an internal timestamp will be returned in place of OrderID.
60	TransactTime	Y	UTCTimestamp	Date/time, with microseconds, the transaction represented by this ExecutionReport occurred (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
20	ExecTransType	Y	char	Identifies transaction type Valid values: 0 = New
39	OrdStatus	Y	char	Identifies current status of order. If the order has been successfully replaced and has been totally filled, value is 2 (Totally filled) otherwise same values as ExecType.
150	ExecType	Y	char	Describes the type of execution report. Valid values: 0 = New 4 = Canceled 5 = Replaced 6 = Pending Cancel 8 = Rejected E = Pending Replace
103	OrdRejReason	N	int	For use with ExecType = 8 (Rejected) Valid values: 0 = Broker option 1 = Unknown Symbol 3 = Order exceeds limit 6 = Duplicated order.

6552	NoSides	Y	int	Value submitted with the order.
→ **54**	**Side**	Y	char	Value submitted with the order.
→ **6582**	**CustOrderCapacity**	N	char	Value submitted with the order.
→ **11**	**ClOrdID**	Y	String	Value submitted with the order.
→ 453	NoPartyID	Y	int	Value submitted with the order.
→ → **448**	**PartyID**	Y	String	Value submitted with the order.
→ → **447**	**PartyIDSource**	Y	char	Value submitted with the order.
→ → **452**	**PartyRole**	Y	int	Value submitted with the order.
→ → **2376**	**PartyRoleQualifier**	Y	int	Value submitted with the order.
→ 2593	NoOrderAttribute	N	int	Value submitted with the order.
→ → **2594**	**OrderAttributeType**	N	int	Value submitted with the order.
→ → **2595**	**OrderAttributeValue**	N	char	Value submitted with the order.
→ **1724**	**OrderOrigination**	N	int	Value submitted with the order.
→ **77**	**PositionEffect**	N	char	Value submitted with the order.
→ **406**	**FairValue**	N	String	Value submitted with the order.
58	Text	N	String	If an Order is rejected, this field will contain the market representation of the error. Only for SOLA markets: if an order is accepted, the text specified in the original order.
40	OrdType	N	String	Value submitted with the order.
38	OrderQty	Y	Qty	Quantity of the order.
151	LeavesQty	Y	Qty	Amount of shares open for further execution. If the OrdStatus is Canceled or Rejected (in which case the order is no longer active) then LeavesQty will be 0, otherwise LeavesQty = OrderQty - CumQty.
32	LastShares	Y	Qty	Will be "0" (non-fills report).
31	LastPx	Y	Price	Will be "0" (non-fills report).
14	CumQty	Y	Qty	Total number of shares filled.
6	AvgPx	Y	Price	Calculated average price of all fills on this order.
44	Price	N	Price	Required if specified on the order
2669	WaiverFlag	N	int	For SOLA (derivatives) markets this field is mandatory and is always set to 0.

2670	WaiverFlagValue	N	int	Valid values for SOLA (derivatives) markets: 4 = Illiquid (ILQD) 5 = Above size (SIZE) 6 = Large in scale (LRGS) Valid values for BORSA ITALIANA MIT (cash) markets: 0 = NLIQ 1 = OILQ 4 = Pre-trade ILQD For SOLA markets this field is mandatory.
16455	BestPriceSetter	N	int	Indicates the status of the Best Price Setter: Populated only by SOLA markets. Valid values: 0 = Order does not have the Best Price Setter status 1 = Order has the Best Price Setter status
847	CancellationAndAmendments	N	int	Cancellation and amendments flag. Populated only by SOLA markets. Valid values: 1 = Cancel 2 = Amend
548	CrossID	N	String	The unique ID of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
549	CrossType	N	String	The type of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
30001	OrderBook	N	int	Identifier of the order book. Populated only by BORSA ITALIANA MIT markets. Valid values: 1 = Regular

				11 = RFQ Trades
	Standard Trailer	Y		

8.3 Order Cancel Reject for unsuccessful modification or cancel request

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = 9
37	OrderID	Y	String	If the order is unknown, specify "NONE".
11	ClOrdID	Y	String	Unique order id assigned by institution to the cancel request or to the *replacement* order.
41	OrigClOrdID	Y	String	ClOrdID which 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	char	OrdStatus value after this cancel reject is applied.
102	CxlRejReason	N	Int	Code to identify reason for cancel rejection. Valid values: 1 = Unknown Order. 2 = Broker Option 6 = Duplicated Order
58	Text	N	String	This field will contain the market representation of the error.
434	CxlRejResponseTo	Y	char	Identifies the type of request that a Cancel Reject is in response to. Valid values: 1 - Order Cancel Request 2 - Order Modification Request
60	TransactTime	Y	UTCTimestamp	Date/time, with microseconds, the rejection represented by this ExecutionReport occurred (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
453	NoPartyID	Y	int	Number of PartyID repeating group instances.
→	**448 PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole =

					3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).
	Standard Trailer		Y		

9 Unsolicited notifications

9.1 Execution Report for trade execution notification

This message is generated following a trade executed by automatic matching on the market system.

Tag	Field Name	Req'd	Format	Comments
	Standard Header	Y		MsgType = 8
1	Account	N	String	Customer account number
57	TargetSubID	N	String	In the case of the message being received by the client, when the message is a responce to a request sent by the client
37	OrderID	Y	String	Market–assigned number of the order that generated this trade.
11	ClOrdID	Y	String	Unique id assigned by institution to the order that generated this trade.
17	ExecID	Y	String	Unique identifier for this trade. The value is in the following format: *UTCDate#ExecutionReportType#Side# InstrumentCode#TradeID* *ExecutionReportType* valid values: 4 = New trade *InstrumentCode* shall be the SICO where applicable. Example =*20050218#4#1#STM#32545*
20	ExecTransType	Y	char	Identifies transaction type Valid values: 0 = New
39	OrdStatus	Y	char	Identifies current status of order. If the order has been canceled, value is 4 (Canceled), otherwise same values as ExecType.
150	ExecType	Y	char	Identifies if the trade filled the order partially or totally. Valid values: 1 = Partially filled 2 = Filled

55	Symbol	Y	String	Security code as accepted by the exchange. - Instrument identifier [BORSA ITALIANA MIT markets] - SICO code [SOLA IDeM]
54	Side	Y	char	Side of the order that generated this trade.
77	PositionEffect	N	char	For options only. Valid Values: O = Open C = Close N = Default for the account.
58	Text	N	String	Trade identifier assigned by the market
38	OrderQty	Y	Qty	Total quantity of the order that generated the trade.
44	Price	N	Price	Required if specified on the order
32	LastShares	Y	Qty	Quantity of shares bought/sold on this (last) fill.
31	LastPx	Y	Price	Price of this (last) fill.
151	LeavesQty	Y	Qty	Amount of shares open for further execution. It will be: LeavesQty = OrderQty - CumQty.
5393	LeavesVisibleQty	N	Qty	Remaining visible size on the iceberg order
14	CumQty	Y	Qty	Total number of shares filled.
6	AvgPx	Y	Price	Calculated average price of all fills on this order.
60	TransactTime	Y	UTCTimeStamp	Date/time, with microseconds, the trade occurred (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
453	NoPartyID	Y	int	Number of PartyID repeating group instances.
→	**448** **PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447** **PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values:

					P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).
2593	NoOrderAttribute		N	int	Number of Order Attributes. For SOLA markets this field is mandatory and must be set to 2.
→	**2594**	**OrderAttributeType**	N	int	Provides the ability to specify if the order was generated via an algorithm. Valid values: 2 = Liquidity Provision activity order (SOLA markets only) 4 = Algorithm For SOLA markets this field is mandatory.
→	**2595**	**OrderAttributeValue**	N	char	Required to be specified if OrderAttributeType (2594) is specified. Valid values: Y = Yes N = No For SOLA markets this field is mandatory.
1724	OrderOrigination		N	int	Provides the ability to indicate the involvement of Direct Electronic Access (DEA). Valid values: 5 = DEA
406	FairValue		N	String	Text for Physical Leg. For SOLA markets this field is mandatory.
2669	WaiverFlag		N	int	For SOLA (derivatives) markets this field is mandatory and is always set to 0.

2670	WaiverFlagValue	N	int	Valid values for SOLA (derivatives) markets: 4 = Illiquid (ILQD) 5 = Above size (SIZE) 6 = Large in scale (LRGS) Valid values for BORSA ITALIANA MIT (cash) markets: 0 = NLIQ 1 = OILQ 4 = Pre-trade ILQD For SOLA markets this field is mandatory.
1084	DisplayMethod	N	int	Populated only by BORSA ITALIANA MIT markets. Valid values: 4 = Undisclosed (reserve)
16455	BestPriceSetter	N		Populated only by SOLA markets. Returned when tag is sent for a BPS notification.
847	CancellationAndAmendments	N	int	Cancellation and amendments flag. Populated only by SOLA markets. Valid values: 1 = Cancel 2 = Amend
6582	CustOrderCapacity	N	char	The value specified in the corresponding order. Populated only by BORSA ITALIANA MIT markets.
548	CrossID	N	String	The unique ID of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
549	CrossType	N	String	The type of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
30001	OrderBook	N	int	Identifier of the order book.

				Populated only by BORSA ITALIANA MIT markets. Valid values: 1 = Regular 11 = RFQ Trades
828	TradeTypeFlag	N	int	Valid values: 0 = None 2 = Exchange for physical (SOLA IDEM only) 65 = Trade Type Pack Trans
9730	TradeLiquidityIndicator	N	char	Whether the order added or removed liquidity. Populated only by BORSA ITALIANA MIT markets. Valid values: A = Added Liquidity R = Removed Liquidity C = Auction
	Standard Trailer	Y		

9.2 Execution Report for unsolicited trade cancellation

This message is generated following the cancellation of an executed trade on the market system.

Tag	*Field Name*	*Req'd*		*Comments*
	Standard Header	Y		MsgType = 8
37	OrderID	Y	String	Same value as that in the corresponding trade execution notification.
11	ClOrdID	Y	String	Same value as that in the corresponding trade execution notification.

17	ExecID	Y	String	Unique identifier for each Execution Report message. The value is in the following format: *UTCDate#ExecutionReportType#Side#InstrumentCode#TradeID* *ExecutionReportType* valid values: 5 = Trade canceled by market *InstrumentCode* shall be the SICO where applicable. Example =*20050218#5#1#STM#32545*
19	ExecRefID	Y	String	Unique identifier of the cancelled trade.
20	ExecTransType	Y	char	Identifies transaction type Valid values: 1 = Cancel
39	OrdStatus	Y	char	Same value as that in the corresponding trade execution notification.
150	ExecType	Y	char	Same value as that in the corresponding trade execution notification.
55	Symbol	Y	String	Same value as that in the corresponding trade execution notification.
54	Side	Y	char	Same value as that in the corresponding trade execution notification.
77	PositionEffect	N	char	For options only. Valid Values: O = Open C = Close N = Default for the account.
58	Text	N	String	Market assigned number of the canceled trade.
38	OrderQty	Y	Qty	Same value as that in the corresponding trade execution notification.
44	Price	N	Price	Same value as that in the corresponding trade execution notification.
32	LastShares	Y	Qty	Will be "0" for non-fills ("fill" defined as ExecTransType=New and ExecType=Partial Fill or Fill)
31	LastPx	Y	Price	Will be "0" for non-fills ("fill" defined as ExecTransType=New and ExecType=Partial Fill or Fill)
151	LeavesQty	Y	Qty	Amount of shares open for further execution. It will be LeavesQty = OrderQty - CumQty.

14		CumQty	Y	Qty	Total number of shares filled.
6		AvgPx	Y	Price	Calculated average price of all fills on this order.
60		TransactTime	Y	UTCTimeStamp	Date/time, with microseconds, the trade cancellation occurred (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
453		NoPartyID	Y	int	Number of PartyID repeating group instances.
→	**448**	**PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person Required only if the PartyID is a short code (i.e. 4-4294967295).
2593		NoOrderAttribute	N	int	Number of Order Attributes. For SOLA markets this field is mandatory and must be set to 2.
→	**2594**	**OrderAttributeType**	N	int	Provides the ability to specify if the order was generated via an algorithm.

					Valid values: 2 = Liquidity Provision activity order (SOLA markets only) 4 = Algorithm For SOLA markets this field is mandatory.
→	**2595**	**OrderAttributeValue**	N	char	Required to be specified if OrderAttributeType (2594) is specified. Valid values: Y = Yes N = No For SOLA markets this field is mandatory.
1724	OrderOrigination		N	int	Provides the ability to indicate the involvement of Direct Electronic Access (DEA). Valid values: 5 = DEA
406	FairValue		N	String	Text for Physical Leg. For SOLA markets this field is mandatory.
2669	WaiverFlag		N	int	For SOLA (derivatives) markets this field is mandatory and is always set to 0.
2670	WaiverFlagValue		N	int	Valid values for SOLA (derivatives) markets: 4 = Illiquid (ILQD) 5 = Above size (SIZE) 6 = Large in scale (LRGS) Valid values for BORSA ITALIANA MIT (cash) markets: 0 = NLIQ 1 = OILQ 4 = Pre-trade ILQD For SOLA markets this field is mandatory.
1084	DisplayMethod		N	int	Populated only by BORSA ITALIANA MIT markets. Valid values: 4 = Undisclosed (reserve)
16455	BestPriceSetter		N		Populated only by SOLA markets. Returned when tag is sent for a BPS notification.
847	CancellationAndAmendments		N	int	Cancellation and amendments flag.

				Populated only by SOLA markets. Valid values: 1 = Cancel 2 = Amend
6582	CustOrderCapacity	N	char	The value specified in the corresponding order. Populated only by BORSA ITALIANA MIT markets.
548	CrossID	N	String	The unique ID of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
549	CrossType	N	String	The type of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
30001	OrderBook	N	int	Identifier of the order book. Populated only by BORSA ITALIANA MIT markets. Valid values: 1 = Regular 11 = RFQ Trades
828	TradeTypeFlag	N	int	Valid values: 0 = None 2 = Exchange for physical (SOLA IDEM only) 65 = Trade Type Pack Trans
9730	TradeLiquidityIndicator	N	char	Whether the order added or removed liquidity. Populated only by BORSA ITALIANA MIT markets. Valid values: A = Added Liquidity R = Removed Liquidity C = Auction
	Standard Trailer	Y		

9.3 Execution Report for unsolicited order cancellation

This message contains information relative to a cancelled order and the reason for cancellation.

Tag	*Field Name*	*Req'd*	*Format*	*Comments*
	Standard Header	Y		MsgType = 8
11	ClOrdID	Y	String	Unique identifier of the order as assigned by institution.
55	Symbol	Y	String	Security code.
37	OrderID	Y	String	Market-assigned number of the order.
17	ExecID	Y	String	Unique identifier for each Execution Report message The value is in the following format: *UTCDate#ExecutionReportType#Side# InstrumentCode#OrderID* *ExecutionReportType* valid values: 3 = Order canceled by market *Example =20050218#3#1#STM#75873*
60	TransactTime	Y	UTCTimestamp	Date/time, with microseconds, the order cancellation occurred (expressed in UTC). Format: YYYYMMDD-HH:MM:SS.mmmuuu
77	PositionEffect	N	char	For options only. Valid Values: O = Open C = Close N = Default for the account.
20	ExecTransType	Y	char	Identifies transaction type Valid values: 0 = New
39	OrdStatus	Y	char	Identifies current status of order. If ExecType is D (Restated), value is 0 (New), otherwise same values as ExecType.
150	ExecType	Y	char	Describes the type of execution report. Valid values: 3 = Done for Day C = Expired D = Restated
58	Text	N	String	This field will contain the market representation of the cancellation reason.
337	ContraTrader	N	String	Value submitted with the committed order.
40	OrdType	N	Char	Value submitted with the order.
5253	OrdTypeExt	N	String	Value submitted with the order.

~~59~~525 1	TimeInForce		N	Char	Value submitted with the order.
126	ExpireTime		N	UTCTimestamp	Value submitted with the order.
432	ExpireDate		N	LocalMktDate	Value submitted with the order.
336	TradingSessionID		N	String	Value submitted with the order.
54	Side		Y	char	Side of the order.
38	OrderQty		Y	Qty	Quantity of the cancelled order.
151	LeavesQty		Y	Qty	Will be 0.
32	LastShares		Y	Qty	Will be 0.
31	LastPx		Y	Price	Will be 0.
14	CumQty		Y	Qty	Total number of shares filled.
6	AvgPx		Y	Price	Calculated average price of all fills on this order.
44	Price		N	Price	Required if specified on the order
453	NoPartyID		Y	int	Number of PartyID repeating group instances.
→	**448**	**PartyID**	Y	String	Identifier of the trading party. This should contain a code/identifier (range 4 – 4294967295) or a reserved value: 0 = None 1 = AGGR (can be used only if PartyRole = 3) 2 = PNAL (can be used only if PartyRole = 3) 3 = CLIENT (can be used only if PartyRole = 12)
→	**447**	**PartyIDSource**	Y	char	Identifies class or source of the PartyID (448) value. Valid values: P = Short Code
→	**452**	**PartyRole**	Y	int	Identifies the type or role of the PartyID (448) specified. Valid values: 3 = Client ID 122 = Investment Decision Maker 12 = Executing Trader
→	**2376**	**PartyRoleQualifier**	N	int	Provides a further qualification for the value specified in the Party Role (452) Valid values: 22 = Algorithm (can be used only if PartyRole = 122 OR = 12) 23 = Firm or Legal Entity (can be used only if PartyRole = 3) 24 = Natural Person

					Required only if the PartyID is a short code (i.e. 4-4294967295).
2593	NoOrderAttribute		N	int	Number of Order Attributes. For SOLA markets this field is mandatory and must be set to 2.
→	**2594**	**OrderAttributeType**	N	int	Provides the ability to specify if the order was generated via an algorithm. Valid values: 2 = Liquidity Provision activity order (SOLA markets only) 4 = Algorithm For SOLA markets this field is mandatory.
→	**2595**	**OrderAttributeValue**	N	char	Required to be specified if OrderAttributeType (2594) is specified. Valid values: Y = Yes N = No For SOLA markets this field is mandatory.
1724	OrderOrigination		N	int	Provides the ability to indicate the involvement of Direct Electronic Access (DEA). Valid values: 5 = DEA
406	FairValue		N	String	Text for Physical Leg. For SOLA markets this field is mandatory.
2669	WaiverFlag		N	int	For SOLA (derivatives) markets this field is mandatory and is always set to 0.
2670	WaiverFlagValue		N	int	Valid values for SOLA (derivatives) markets: 4 = Illiquid (ILQD) 5 = Above size (SIZE) 6 = Large in scale (LRGS) Valid values for BORSA ITALIANA MIT (cash) markets: 0 = NLIQ 1 = OILQ 4 = Pre-trade ILQD For SOLA markets this field is mandatory.
1084	DisplayMethod		N	int	Display method.

				Populated only by BORSA ITALIANA MIT markets. Valid values: 4 = Undisclosed (reserve)
16455	BestPriceSetter	N	int	Indicates the status of the Best Price Setter: Populated only by SOLA markets. Valid values: 0 = Order does not have the Best Price Setter status 1 = Order has the Best Price Setter status
847	CancellationAndAmendments	N	int	Cancellation and amendments flag. Populated only by SOLA markets. Valid values: 1 = Cancel 2 = Amend
6582	CustOrderCapacity	N	char	The value specified in the corresponding order. Populated only by BORSA ITALIANA MIT markets.
548	CrossID	N	String	The unique ID of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
549	CrossType	N	String	The type of the Cross/BTF Order. Populated only by BORSA ITALIANA MIT markets.
30001	OrderBook	N	int	Identifier of the order book. Populated only by BORSA ITALIANA MIT markets. Valid values: 1 = Regular 11 = RFQ Trades
	Standard Trailer	Y		

.

Disclaimer

Contact Details

Borsa Italiana Clients Technology Service team

Technical Account Management Italy
clients-services@borsaitaliana.it
+39 02 72426348/606/647

Service Desk Italy
service-desk@borsaitaliana.it
Toll Free: 0080026772000
From mobile: +39 02 45411399

London Stock Exchange Group