

KARACHI STOCK EXCHANGE (GUARANTEE) LIMITED

---

**Financial Information eXchange (FIX) Specification**

---

© Karachi Stock Exchange (G) Limited  
Stock Exchange Road, Off I.I. Chundrigar Road, Karachi  
Phone (+9221) 111-001122 • Fax (+9221) (92-21) 3241 0825

## Revision History

Date	Version	Changes	Effective From
07/March/2011	1.1	Addition of Leverage Buy Order Specification	

## FIX Messages

### Message Header

Field Name	FIX Tag	Type	Description
BeginString	8	String	FIX 4.2
BodyLength	9	Int	
MsgType	35	String	
MsgSeqNo	34	Int	
SenderCompID	49	String	KSE TraderID (Inbound Messages)
SendingTime	52	UTCTimestamp	
TargetCompID	56	String	KSE TraderID (Outbound Messages)
OnBehalfOfCompID	115	String	KSE Member ID on behalf of whom trades are being submitted (Inbound Messages)
DeliverToCompID	128	String	KSE Member ID on behalf of whom trades were submitted (Outbound Messages)
SenderLocationID	142	String	"Market Code" in which the order is to be placed (Outbound Messages)
TargetLocationID	143	String	"Market Code" in which the order is to be placed (Inbound Messages)  Valid values: 'REG' = Regular Market 'FUT' = Future Market 'CSF' = Cash Settled Future Market 'TPO' = Initial Public Offer Market 'SQR' = Square Up Market Market 'SIF' = Stock Index Futures Market 'KMT' = Karachi Margin Trading Market 'LMT' = Lahore Margin Trading Market 'TMT' = Islamabad Margin Trading Market
SenderSubID	50	String	Reserved for future use
TargetSubID	57	String	Reserved for future use
OnBehalfOfSubID	116	String	Ignored
OnBehalfOfLocationID	144	String	Ignored
DeliverToSubID	129	String	Ignored

**FINANCIAL INFORMATION EXCHANGE (FIX) SPECIFICATION**

<b>DeliverToLocationID</b>	145	String	Ignored
<b>PossDupFlag</b>	43	Boolean	Always required for retransmitted messages, whether prompted by the sending system or as the result of a resend request.
<b>PossResend</b>	97	Boolean	Required when message may be duplicate of another message sent under a different sequence number.
<b>OrigSendingTime</b>	122	UTCTimestamp	Required for message resend as a result of a "Resend Request". If data is not available, set to same value as SendingTime.

**FINANCIAL INFORMATION EXCHANGE (FIX) SPECIFICATION**

**New Order Single**

The new order message type is used by brokers wishing to electronically submit securities to exchange for execution.

Field Name	FIX Tag	Type	Description
MsgType	35	String	Value: "D"
ClOrdID	11	String	Unique identifier for Order as assigned by broker.
HandlInst	21	Char	Should always be '1'
OrdType	40	Char	Order type. Valid values: '1' = Market '2' = Limit '4' = Stop limit 'J' = MIT (Market If Touched)
Side	54	Char	Side of order Valid values: '1' = Buy '2' = Sell '5' = Sell Short '8' = Cross 'G' = Borrow ( <i>Leverage Buy in case of "REG"</i> )
Symbol	55	String	Ticker symbol
TransactTime	60	UTCTimestamp	Time of execution/order creation, expressed in UTC (Universal Time Coordinated, also known as "GMT")
OrderQty	38	Qty	Number of shares ordered
Account	1	String	Account mnemonic as agreed between broker and exchange. "Client Code" will be submitted in this field.
TimeInForce	59	Char	Specifies how long the order remains in effect. Valid values: '0'=Day '4' = Fill or Kill (FOK)
Price	44	Price	Price per share Required if Ord Type = '2' or '4'
MaxFloor	111	Qty	Maximum number of shares within an order to

**FINANCIAL INFORMATION EXCHANGE (FIX) SPECIFICATION**

Field Name	FIX Tag	Type	Description
			be shown on the exchange floor at any given time.
LocateReqd	114	Boolean	Should always be 'N'. Required if Side = '5' (Sell Short)
StopPx	99	Price	Price per share. Required if OrdType = '4' or 'J'
AccountSell	7200	String	Account of the Sell Side of a Cross. Required if Side = '8' "Client Code" will be submitted in this field.

To place a HIT order, send the "New Order Single" message with the field Side (FIX tag 54) set to "2" and the field TimeInForce (FIX tag 59) field set to "4".

To place a TAKE order, send the "New Order Single" message with the Side (FIX tag 54) set to "1" and the field TimeInForce (FIX tag 59) field set to "4".

**Order Cancel Replace Request**

The order cancel/replace request is used to change the parameters of an existing order. Do not use this message to cancel the remaining quantity of an outstanding order, use the Cancel Request message for this purpose. Cancel/Replace will be used to change any valid attribute of an open order (i.e. reduce/increase quantity, change limit price, change instructions, etc.)

Field Name	FIX Tag	Type	Description
MsgType	35	String	Value: "G"
ClOrdID	11	String	Unique identifier for Order as assigned by broker.
HandlInst	21	Char	Should always be '1'
OrdType	40	Char	Order type. Valid values: '2' = Limit '4' = Stop limit 'J' = MIT (Market If Touched)
OrigClOrdID	41	String	ClOrdID of the previous order (NOT the initial order of the day) as assigned by the broker, used to identify the previous order in cancel and cancel/replace requests.
Side	54	Char	Side of order Valid values: '1' = Buy '2' = Sell '5' = Sell short 'G' = Borrow ( <i>Leverage Buy in case of "REG"</i> )
Symbol	55	String	Ticker symbol
TransactTime	60	UTCTimestamp	Time of execution/order creation, expressed in UTC (Universal Time Coordinated, also known as "GMT")
OrderID	37	String	Unique identifier for Order as assigned by Exchange.
OrderQty	38	Qty	Number of shares ordered
ExecInst	18	Char	Instructions for order handling on exchange trading floor. Valid values:

**FINANCIAL INFORMATION EXCHANGE (FIX) SPECIFICATION**

Field Name	FIX Tag	Type	Description
			'S' = Suspend
Account	1	String	Account mnemonic as agreed between broker and exchange. “Client Code” will be submitted in this field.  This should be same as the original order.
TimeInForce	59	Char	Specifies how long the order remains in effect. Valid values: '0' = Day '4' = Fill or Kill (FOK)
Price	44	Price	Price per share Required if OrdType = '2' or '4'
MaxFloor	111	Qty	Maximum number of shares within an order to be shown on the exchange floor at any given time.
LocateReqd	114	Boolean	Should always be 'N'. Required if Side = '5' (Sell Short)
StopPx	99	Price	Price per share Required if OrdType = '4' or 'J'
AccountSell	7200	String	Account of the Sell Side of a Cross Required if Side = '8' “Client Code” will be submitted in this field. This should be same as the original order.

To suspend an order, send the Order Cancel/Replace request message with the field ExecInst (FIX tag 18) field set to “S”.

To resume a suspended order, send an Order Cancel/Replace request message with the same order parameters but without the ExecInst (FIX tag 18) field.

To modify a suspended order, send the Order Cancel/Request message containing the changed order fields and with the field ExecInst (FIX tag 18) field set to “S”.

**Order Cancel Request**

The order cancel request message requests the cancellation of all of the remaining quantity of an existing order. Note that the Order Cancel/Replace Request should be used to partially cancel (reduce) an order). The request will only be accepted if the order can successfully be pulled back from the exchange without executing.

Field Name	FIX Tag	Type	Description
MsgType	35	String	Value: "F"
ClOrdID	11	String	Unique identifier for Order as assigned by broker.
OrigClOrdID	41	String	ClOrdID of the previous order (NOT the initial order of the day) as assigned by the broker, used to identify the previous order in cancel and cancel/replace requests.
Side	54	Char	Side of order Valid values: '1' = Buy '2' = Sell '5' = Sell short 'G' = Borrow ( <i>Leverage Buy in case of "REG"</i> )
Symbol	55	String	Ticker symbol
TransactTime	60	UTCTimestamp	Time of execution/order creation, expressed in UTC (Universal Time Coordinated, also known as "GMT")
OrderID	37	String	Unique identifier for Order as assigned by Exchange.