

# iLink 3 Execution Report - Trade Spread

The Execution Report - Trade Spread message is sent upon fill or partial fill of client order:

- Fill Execution Report only for spread instruments

35=8, 39=1,2

Tag	Field Name	Binary Type	Binary Length	Required	Value	Description
9726	SeqNum	uInt32	4	Y		Sequence number assigned to this message. The max value is 999999999 which is 1 short of 1 billion.
39001	UUID	uInt64	8	Y		Matches Establish.UUID used to establish the connection.
17	ExecID	String40	40	Y		Unique identifier of Execution Report message as assigned by exchange. Uniqueness is guaranteed within a single trading day or the life of a multi-day order.
5392	SenderId	String20Req	20	Y		For futures and options markets: represents Operator ID.  For <b>EBS and</b> fixed income markets: represents the Entering Trader. <b>For EBS this value must be 3 characters.</b>  This value represents the individual or team submitting the message and is subject to registration requirements and character limits as required by Rule 576 and the Advisory below: <a href="https://www.cmegroup.com/rulebook/files/cme-group-Rule-576.pdf">https://www.cmegroup.com/rulebook/files/cme-group-Rule-576.pdf</a>  In FirmSoft and Global Command Center queries for order status and cancellations, this value must be exact.
11	ClOrdID	String20Req	20	Y		Unique identifier for Order as assigned by client system. Uniqueness must be guaranteed within a single trading day.  Firms, particularly those which electronically submit multi-day orders, trade globally, or throughout market close periods, should ensure uniqueness across days.
1505	PartyDetailsListRequestID	uInt64	8	Y		The unique identifier of the Party Details Definition Request Acknowledgment associated with this message; this is the value submitted on the inbound message.  For pre-registered messages: <ul style="list-style-type: none"> <li>• Unique ID from Party Details Definition Request Acknowledgment message</li> <li>• PartyDetailsListRequestID0.</li> </ul> For on-demand messages: <ul style="list-style-type: none"> <li>• If not registered beforehand through iLink then Party Details Definition Request message will be sent along with the business message and will immediately precede it</li> <li>• PartyDetailsListRequestID=0.</li> </ul>
31	LastPx	PRICE9	8	Y		Price of this (last) fill
37	OrderID	uInt64	8	Y		Unique identifier for order as assigned by the exchange. Uniqueness is guaranteed within a single trading day across all instruments.
44	Price	PRICE9	8	Y		Price per share or contract.
99	StopPx	PRICENULL9	8	N		The stop price of a stop limit and stop protect order (Conditionally present if tag 40-OrdType=4).
60	Transact Time	uInt64	8	Y		Time the transaction represented by this Execution Report (35=8) occurred. Expressed as nanoseconds since epoch time.
5297	SendingTimeEpoch	uInt64	8	Y		Time when the message is sent. 64-bit integer expressing the number of nanoseconds since midnight January 1, 1970.
2422	OrderRequestID	uInt64	8	Y		OrderRequestID used to identify a request to enter, modify, or delete an order and echo the value on the Execution Report.  For the unsolicited events (e.g. fills and end of day eliminations), echo the value on the ExecutionReport representing the last accepted OrderRequestID on the corresponding order.
527	SecExecID	uInt64	8	Y		Unique identifier linking spread summary fill notice with leg fill notice and trade cancel messages.  To uniquely identify each fill, Client System can concatenate: OrderID (37) + TradeDate (75) + SecExecID (527)
548	CrossID	uInt64NULL	8	N		Identifier for a Cross order. Will be present if Execution Report is in response to a Cross order.
961	HostCrossID	uInt64NULL	8	N		Host-assigned entity ID used to reference all components of a Cross: sides + strategy + legs.  The HostCrossID also links components of the Cross order. For example, each individual Execution Report associated with the order will contain HostCrossID to tie them to the original Cross order.

9537	Location	String5Req	5	Y		<p>ISO identifier of the physical location of the individual or team head trader identified by the tag 5392 (SenderID) in the message.</p> <p>The first two bytes as per ISO 3166-1, identify the country (e.g., JP = Japan, CN = China).</p> <p>The next three bytes indicate a comma-delimited state or province code (e.g., CA = California, QC = Quebec).</p> <p>For valid values, refer to <a href="http://ftp.cmegroup.com/fix/coo">ftp.cmegroup.com/fix/coo</a>.</p> <p><b>Market Regulation requires only the submission of the two first characters of tag 9537-Location for all countries with the exception of Canada. For Canada, the 5 bytes including the province code must be submitted.</b></p> <p><b>Note: this field is optional for EBS Market and eFIX Matching Service instruments.</b></p>
48	SecurityID	Int32	4	Y		Security ID as defined in the market data Security Definition message.
38	OrderQty	uInt32	4	Y		Order quantity submitted by client.
32	LastQty	uInt32	4	Y		Quantity bought/sold on this (last) fill.
14	CumQty	uInt32	4	Y		Total quantity filled.
37711	MDTradeEntryID	uInt32	4	Y		Market Data Trade Entry ID. This identifier is assigned to all trades that take place for an instrument at a particular price level.
1506	SideTradeID	uInt32	4	Y		The unique ID assigned to the trade once it is received or matched by the exchange.
151	LeavesQty	uInt32	4	Y		<p>Quantity open for further execution</p> <p>LeavesQty = OrderQty (tag 38) - CumQty (tag 14)</p> <p>Only present for outright and spreads and not spread legs.</p>
75	TradeDate	LocalMktDate	2	Y		<p>Indicates date of trading day (expressed in local time at place of trade).</p> <p>Sent in number of days since Unix epoch.</p>
432	ExpireDate	LocalMktDate	2	Y		<p>Date of order expiration (last day the order can trade), always expressed in terms of the local market date.</p> <p>Sent in number of days since Unix epoch.</p>
39	OrdStatus	OrdStatusTrd	1	Y	<ul style="list-style-type: none"> <li>• OrdStatus = 1 (Partially Filled)</li> <li>• OrdStatus = 2 (Filled)</li> </ul>	Identifies status of order as partially filled or completely filled.
150	ExecType	ExecTypeTrade	0	Y	ExecType = F (Trade)	<p>Describes the specific ExecutionRpt (e.g. Cancel) while tag 39-OrdStatus will always identify the current order status (e.g. Partially Filled).</p> <p>Constant value.</p>
40	OrdType	OrderType	1	Y	<ul style="list-style-type: none"> <li>• OrdType = 1 (Market order with protection)</li> <li>• OrdType = 2 (Limit order)</li> <li>• OrdType = 4 (Stop limit order)</li> <li>• OrdType = K (Market limit order)</li> </ul>	Order type.

54	Side	SideReq	1	Y	<ul style="list-style-type: none"> <li>Side=1 (Buy)</li> <li>Side=2 (Sell)</li> </ul>	Side of order.
59	TimeInForce	TimeInForce	1	Y	<ul style="list-style-type: none"> <li>TimeInForce=0 (Day)</li> <li>TimeInForce=1 (GTC)</li> <li>TimeInForce=3 (FAK)</li> <li>TimeInForce=4 (FOK)</li> <li>TimeInForce=6 (GTD)</li> </ul>	<p>Specifies how long the order remains in effect.</p> <p>FOK is only for BrokerTec</p>
1028	ManualOrderIndicator	ManualOrderReq	1	Y	<ul style="list-style-type: none"> <li>0=Automated</li> <li>1=Manual</li> </ul>	<p>Indicates if order was sent manually.</p> <p>'0' indicates the message was generated by automated trading logic.</p> <p>iLink messages containing a value other than '0' or '1' in this tag will be rejected.</p> <p>This tag is subject to Rule 536.B.2 <i>Electronic Audit Trail Requirements for Electronic Order Routing/Front-End Systems</i>.</p> <p><a href="https://www.cmegroup.com/rulebook/files/cme-group-Rule-536-B-Tag1028.pdf">https://www.cmegroup.com/rulebook/files/cme-group-Rule-536-B-Tag1028.pdf</a></p>
9765	PossibleRetransFlag	BooleanFlag	1	Y	<ul style="list-style-type: none"> <li>0=False</li> <li>1=True</li> </ul>	<p>Flags message as possible retransmission or duplicate</p> <p>Indicates if message is an original transmission or duplicate in response to Retransmission Request or possible duplicate</p> <p>Used when original messages are interleaved with Retransmission responses</p> <p>Possible duplicate means the same message may have been sent again with different sequence number</p>
1057	AggressorIndicator	BooleanFlag	1	Y	<ul style="list-style-type: none"> <li>AggressorIndicator=0 (No)</li> <li>AggressorIndicator=1 (Yes)</li> </ul>	Indicates if order was incoming or resting for the match event.
549	CrossType	uint8NULL	1	N	<ul style="list-style-type: none"> <li>CrossType=3</li> </ul>	Type of Cross submitted to the market (if in response to a cross order).
393	TotalNumSecurities	uint8	1	Y		Indicates total number of leg fills for the spread.
18	ExecInst	ExecInst	1	N	<ul style="list-style-type: none"> <li>Bit 0=AON</li> <li>Bit 1=Only Best</li> <li>Bit 2=Not Held</li> </ul>	<p>Instructions for order handling for fixed income markets.</p> <p><b>Only Best</b> may be applied to resting and aggressing orders and:</p> <ul style="list-style-type: none"> <li>Prevents submission of an order if the order's price is not equal to or better than the best price on the book.</li> <li> Cancels an order from the book if a new order with a better price enters the queue.</li> <li> This order condition permits the order to be alone at the best price level or join other orders at the best price level.</li> </ul> <p><b>Not Held (applies only to US Repo)</b> eliminates quantity remaining from an FaKi order (tag 59=3) and ensures it will not be included in a work-up session; however, the order can still trigger a work-up session.</p> <p><b>AONs</b> will have a separate book with a separate ISIN. The AON orders that cannot trade immediately can rest in the AON book. They can only trade with AON orders on the other side of the AON book that have the SAME PRICE and SAME QUANTITY.</p> <p>Applicable only for BrokerTec Markets; should not be used for future and options markets.</p>

5906	Execution Mode	ExecMode	1	N	<ul style="list-style-type: none"> <li>• A=Aggressive</li> <li>• P=Passive</li> </ul>	<p>Instruction for whether the order should rest on the book upon entry or match as an aggressor.</p> <p>A Passive Order will rest in the market without executing unless matched with an Aggressive Order on the other side.</p> <p>An Aggressive Order will match against any other order on the opposite side.</p> <p>Applicable for US &amp; EU Repos.</p>
9373	LiquidityFlag	BooleanNULL	1	N	<ul style="list-style-type: none"> <li>• 0=False</li> <li>• 1=True</li> </ul>	<p>Indicates if an order was submitted for market making obligation as required for MiFID.</p> <p>Applicable only for EU BrokerTec and EBS MiFID.</p>
5409	ShortSaleType	ShortSaleType	1	N	<ul style="list-style-type: none"> <li>• 0=Long Sell</li> <li>• 1=Short Sale With No Exemption (SESH)</li> <li>• 2=Short Sale With Exemption (SSEX)</li> <li>• 3=Undisclosed Sell (Information not available - UNDI)</li> </ul>	<p>Indicates the type of short sale on Sell orders only as required for MiFID.</p> <p>Should not be used for Buy orders.</p> <p>Applicable only for EU fixed income markets.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>i Note</b></p> <p>The Short-Selling Field is only required from Participants when BrokerTec EU has a regulatory obligation (pursuant to Article 26(5) of MiFIR) to conduct transaction reporting on behalf of the Participant. This obligation only applies to BrokerTec EU when the relevant participant is exempt from MiFIR (typically non-EEA (European Economic Area) firms, corporate entities or certain asset managers). Please reach out to <a href="mailto:TradingVenueCompliance@cmegroup.com">TradingVenueCompliance@cmegroup.com</a> for guidance.</p> </div>
1362	NoFills	groupSize	3	Y		<p>Specifies the number of fill reasons included in this Execution Report.</p> <p>Maximum number of fill reasons is 6.</p>
1364	FillPx	PRICE9	8	Y		Price of this fill reason or allocation. Required if NoFills (1362) > 0. Same as LastPx (31)
1365	FillQty	uInt32	4	Y		Quantity bought/sold for this fill reason.
1363	FillExecID	String2	2	Y		Used as an identifier for each fill reason or allocation reported in single Execution Report. Required if NoFills (1362) > 0. Append FillExecID with ExecID to derive unique identifier for each fill reason or allocation.

1622	FillYieldType	uint8	1	Y	0 – Future Hedge 1 – Pro Rata 2 – LMM 3 – TOP 4 – FIFO 5 – Cross BMG 8 – Covering 9 – Cross BPM 10 – Leveling 11 – Aggressor 14 – Leg 16 – Opening 18 – Implied Opening 19 – FIFO Percent	Enumeration of the Fill Reason field using Integer. This identifies the type of match algorithm.
555	NoLegs	groupSize	3	N		Number of Leg executions. Currently not supported; set the groupSize to 0.
1893	LegExecID	uint64	8	Y		The tag 17-ExecID value corresponding to a trade leg.
637	LegLastPx	PRICE9	8	Y		Execution price assigned to a leg of a multileg instrument.
602	LegSecurityID	Int32	4	Y		Multileg instrument's individual security's SecurityID.
1894	LegTradeID	uint32	4	Y		The TradeID value corresponding to a trade leg.
1418	LegLastQty	uint32	4	Y		Fill quantity for the leg instrument.
624	LegSide	SieReq	1	Y		The side of this individual leg of a multileg security.
1795	NoOrderEvents	groupSize	3	N		Number of fills which comprise fill quantity. The maximum number of fills is configured 100 Applicable for BrokerTec markets only.
1799	OrderEventPx	PRICE9	8	Y		Refers to the fill price; same as tag 31-LastPx
1802	OrderEventText	String5	5	N		Will not be present for BrokerTec US; Will be populated with the firm ID of the opposite order for BrokerTec EU bilateral trades
1797	OrderEventExecID	uint32	4	Y		This is a unique ID which ties together a specific fill between two orders; It will be unique per instrument per day
1800	OrderEventQTY	uint32	4	Y		Refers to the specific fill quantity between this order and the opposite order
1796	OrderEventType	OrderEventType	1	Y	<ul style="list-style-type: none"> <li>• 4=Partially Filled</li> <li>• 5=Filled</li> </ul>	The type of event affecting an order
1798	OrderEventReason	uint8	1	Y		Action that caused the event to occur. 100=Binary Trade Reporting