

Specification

16 March 2016

CURRENEX

FIX Real Time Straight Through Processing Specification

Please contact Currenex sales representatives and help desk personnel for more information on this documentation.

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1 INTRODUCTION

1.1 Purpose

The purpose of this document is to present in detail the Financial Information eXchange (FIX) protocol subset used by the Currenex FIX STP service.

The Currenex FIX STP offering supports the automatic sending of trade events that occur on the Currenex platform in real time via FIX.

This document describes the Currenex FIX STP offering and provides a detailed description of the supported FIX STP message set.

1.2 Architecture

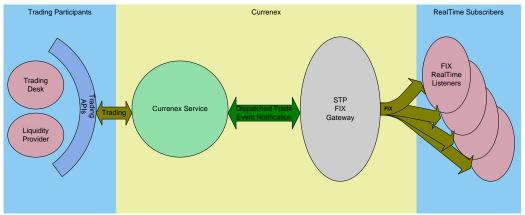


Figure 1: FIX STP Architecture.



2 CONNECTIVITY

MMs and MPs can connect to the Currenex FIX Gateway via the Public Internet, financial extranets or a private network. Please refer to the "FIX Network Connectivity" document, (which can be found on the integration-support site or from your Currenex representative), for further details relating to connectivity.



3 SUPPORTED MESSAGES

The Currenex FIX STP implementation supports FIX version 4.4 messaging.

The following convention is used in this document to indicate message direction:

In a message from the FIX STP Client to Currenex

Out a message from Currenex to FIX STP Client.

In/Out a message that can be sent to or from a FIX Client or Currenex

Available fields, requirement, values and their associated meaning are documented in the Message Details section.

Clients are advised to ensure their FIX engine observes the standard FIX 4.4 protocol in which only the order of first three (3) fields of the header need to be guaranteed.

3.1 Session Messages

Session messages establish, maintain and terminate a FIX STP client to Currenex connection.

For a detailed description of FIX Session related information, including Session Message details and information on Sequence Number Resets, please refer to the "FIX Session Specification" (which can be found on the integration-support site or from your Currenex representative)

- Logon (In/Out) message sent by a FIX STP Client to initiate a FIX session to Currenex. Logon response is sent by Currenex. The Logon message establishes the communication session, authenticates the connecting client, and initializes the message sequence number.
- Heartbeat (In/Out) message sent by Currenex during periods of application inactivity to ensure connection validity.
 A Real Time client should respond to heartbeat messages upon receipt.
- Resend Request (In/Out) message that can be sent by either Currenex or a client to request certain messages be
 resent. Often used when gaps are detected in the sequence numbering, when a message is lost, or during the
 initialization process.
- Test Request (In/Out) used to verify session connectivity and to synchronize sequence numbers. Either Currenex or the connecting party can send a test request message. The recipient of a test request message should respond to it with a heartbeat message
- Logout (In/Out) message signalling the normal termination of the trading session. Sessions terminated without a
 Logout message will be considered an abnormal condition. The Currenex FIX gateway treats a client as logged out
 whenever the communication session is dropped.



3.2 Application Messages

Once a proper session is established, MPs use application messages to subscribe to and receive completed trade information. See the below summary.

Foreign Exchange Instruments:

Refer to the Message Ordering

Clients are advised to ensure their FIX engine observes the standard FIX 4.4 protocol in which only the order of first three (3) fields of the header need to be guaranteed.

Message Details section beginning on page 11 for detailed individual message descriptions.

If present in a message, the Symbol field refers to a foreign exchange (FX) currency pair, e.g., EUR/USD.

Currenex follows the International Organization for Standardization (ISO) currency pair symbol convention of BASE/TERM or CCY1/CCY2. Rates are expressed as one (1) unit of a quoted or BASE currency in units of the quoting or TERM currency. E.g., EUR/USD rate = 1.2000 means 1.2000 units of USD per one (1) unit of EUR.

US Treasury Instruments:

Refer to the Message Details section for individual message descriptions.

Symbol (55) is set to the instrument tenor. SymbolSfx (65) is set to the instrument state. The Committee on Uniform Securities Identification Procedures (CUSIP) unique security identifier that corresponds to the Symbol (55) and SymbolSfx (65) combination is set in SecurityID (48).

Messages:

- Business Message Reject (Out) application message sent in response to any application level message that cannot be replied to with a normal matching response message.
 - Also sent when a request message is received during non-Currenex trading hours. For a schedule of non-trading hours, please contact your Currenex service representative.
- Trade Capture Report Request (In) message used in making a subscription request for trade capture reports. Only subscription requests are currently supported. Individual report request are not supported.
- Trade Capture Report Request Ack (Out) message used to acknowledge receipt of a subscription request. If the
 request was successful, Currenex will start publishing reports. This message can also be used to reject a report
 request.
- Trade Capture Report (Out) message used to send completed trade details. Requires confirmation of receipt.
- Trade Capture Report Ack (In) message used to confirm the receipt of a Trade Capture Report.



4 MESSAGE WORKFLOW

4.1 General Workflow

Any message received by the Currenex FIX STP engine that is outside the scope of this document will be rejected with a Business Message Reject message.

The following codes are used to indicate trading level errors and can appear in the BusinessRejectReason field:

- 0. Other
- 1. Unknown ID
- 2. Unknown security
- 3. Unsupported message type
- 4. Application not available
- 5. Conditionally required field missing

4.2 Subscription



Figure 3: Capture Report Subscription Request and Acknowledgement

4.2.1 Trade Capture Report Request

A FIX STP client subscribes on the Currenex FIX Gateway by sending a Trade Capture Report Request message. The results returned depend on the values specified for fields TradeRequestType (569) and SubscriptionRequestType (263):

TradeRequest Type

0 – All trades

SubscriptionRequestType

- 1 Snapshot + Updates: Currenex sends all unconfirmed reports and continues to send new reports based on new trade events.
- 9 Updates: Currenex only sends new reports, from the time of subscription. This is a Currenex specific usage.



4.2.2 Trade Capture Request Acknowledgment

Currenex responds to a client's Trade Capture Request with a Trade Capture Report Request Ack message. The status of the request is indicated in the fields TradeRequestResult (749) and TradeRequestStatus (750).

TradeRequestResult:

- 0 Successful
- 8 TradeRequestType not supported
- 9 Unauthorized for Trade Capture Report Request
- 99 Other

TradeRequestStatus:

- 0 Accepted
- 2 Rejected

A Trade Capture Report Request acknowledgement containing TradeRequestResult (749) = 0 and TradeRequestStatus (750) = 0 means a successful request has been made.

4.3 Trade Capture Models

Currenex supports the following trade capture subscription models:

• Receive all outstanding unconfirmed trade events and all new subsequent events

TradeRequestType - 0 (All trades)

SubscriptionRequestType - 1 (Snapshot + Updates)

Receive only new events messages.

TradeRequestType - 0 (All trades)

SubscriptionRequestType - 9 (Updates)

4.4 Trade Capture Reports

4.4.1 Overview

Before any Trade Capture Report messages will be sent, a client must establish a connection and make a Trade Capture Report request. The client acknowledges receipt of a report through a Trade Capture Report Acknowledgment (Ack) message.

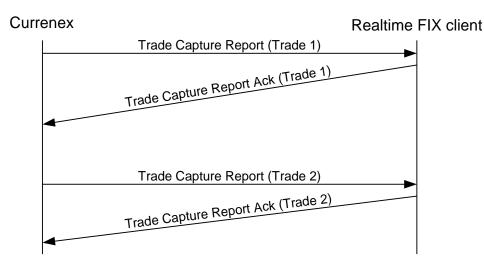


Figure 4. Capture Reports Processing under Normal Condition.

For optimum performance, Trade Capture reports should be acknowledged immediately.

4.4.2 Trade Report Process Order

Currenex only sends trade report messages to a client that has successfully established a FIX Real Time connection and made a Trade Report Request. If no connection is established, no messages are sent.

The number of Trade Reports that can be outstanding is limited by a system default. See next section. If this limit is reached, a one (1) to one (1) relationship becomes effective in which one (1) Trade Report will be sent for each report acknowledged until the outstanding number of unacknowledged reports is less than the system limit.

Upon receiving the Trade Report Request, Currenex processes Trade Report messages in the order the trades were done as follows:

- Trade Reports from prior to the Request
- Any reports for trades done prior to the request are sent first.
- New Trade Reports
- Once all Trade Reports from prior to the request, if any, are acknowledged, Currenex will send reports for new trades completed since the Trade Report Request was made.
- Reports for events related to clearing
- For trade events on non-deliverableforward (NDF) instruments subject to clearing, Currenex will send two multiple reports for each event.
 - The first event will be sent corresponding to the execution with ExecType (150) set to "0," for trades without allocations, or "W," for trades with pre-trade allocations specified.
 - The second event will be sent corresponding to the acknowledgement for receipt of the submission by the clearing house. These events will have the following acceptable tag ExecType (150) value:
 - J = trade in Clearing hold



- The last event will be sent corresponding to the clearing status of the trade event. These events will have the following acceptable ExecType (150) values:
 - K = Fully Cleared
 - 4 = Rejected from Clearing
- When a trade capture report with ExecType (150) = W is followed by subsequent reports with ExecType (150) = J, K, or 4, the following tag values originally sent in the Component <TrdAllocGrp> in the message with ExecType (150) = W, will be sent in different tags for the subsequent messages:

Field	Placement when tag ExecType (150) = W	Placement when ExecType (150) = J, K, or 4
AllocAccount	AllocAccount (79)	Account (1)
IndividualAllocID	IndividualAllocID (467)	ExecID (17)
NoNested2Partylds	NoNst2PtyIDs (756)	NoRootPartyIDs (1116)
Nested2PartyID	Nested2PartyID (757)	FCM Party ID sent RootPartyID (1117) when RootPartyRole (1119) = 4
		FCM LEI sent in RootPartySubId (1121) when RootPartySubIDType (1122) = N
AllocQty	AllocQty (80)	LastQty (32)
SecondaryIndividualAllocId	SecondaryIndividualAllocId (989)	TradeID (1003)
AllocSide	AllocSide (8008)	Side (54)
CalculatedAllocQty	CalculatedAllocQty (8009)	CalculatedCcyLastQty (1056)
AllocQty2	AllocQty2 (7592)	OrderQty2 (192)
FarCalculatedAllocQty	FarCalculatedAllocQty (8010)	CalculatedCcylastQty2 (7595)

4.4.3 Trade Capture Reports Buffer Size

Trade Capture reports are sent in the order in which trades are executed. A new trade event can be sent before a previously sent trade event is acknowledged.

There is a system limit of one hundred (100) unacknowledged trade reports. If this limit is exceeded, additional Trade Capture reports will only be sent out in a one to one relationship to acknowledgments received.

For example, if a user has a total of one hundred (100) unacknowledged reports outstanding and a new trade is then completed, a Trade Capture report will not be sent for the new trade. However, if the user subsequently acknowledges at least one (1) outstanding report, then the Trade Capture report for the new trade will be sent out. This one (1) relationship will continue until the number of unacknowledged Trade Capture reports falls below the system limit.

4.4.4 Duplicate Trade Reports

A trade marked acknowledged cannot be requested again. However, the Currenex Support Desk can be asked to resend an already acknowledged trade.

The requesting client must be able to handle the possibility of receiving duplicate trade capture reports. If multiple reports are received for a trade, all but the first report should be ignored.



5 MESSAGE ORDERING

Clients are advised to ensure their FIX engine observes the standard FIX 4.4 protocol in which only the order of first three (3) fields of the header need to be guaranteed.



6 MESSAGE DETAILS

Currenex FIX Real Time supports FIX version 4.4 required fields and a portion of the non-required fields. Some Currenex customized fields are also used.

This section provides field details of all the supported FIX messages. For each message, all Currenex supported required and non-required fields are listed.

Field names in **bold italics** represent repeating groups of fields. Please refer to FIX specification 4.4 for details on repeating groups.

The values under the "Required" column indicate one of the following:

- 'Y' field is mandatory and must be sent or received as a part of the message.
- 'N' Non-required field that should be omitted unless directed otherwise by Currenex.

6.1 Passwords for Logon Messages

The Currenex service requires users connecting via the FIX protocol to present a password as part of the logon message. Please refer to the "FIX Password Specification" (which can be found on the integration-support site or from your Currenex representative), for further details relating to passwords including password resets

6.2 Session Messages

For a detailed description of FIX Session related information, including Session Message details and information on Sequence Number Resets, please refer to the "FIX Session Specification" (which can be found on the integration-support site or from your Currenex representative)



6.3 Forex Instrument Specific Application Messages

6.3.1 Trading Session Status (Forex)

Tag	Field Name	Required	Comments
Standard Header		Υ	MsgType tag 35 = h
336 TradingSessionID Y Identifier for this trading session.		Identifier for this trading session.	
340	TradSesStatus	Y	State of the trading session: 1 = Password reset is required
58 Text		N	Descriptive text message.
Standard Trailer		Υ	

6.3.2 Business Message Reject (Forex)

Tag	Field Name	Required	Comments
Standa	ard Header	Υ	MsgType = j
372	372 RefMsgType		The MsgType of the FIX message being rejected.
380	BusinessRejectReason	Υ	Reject reason code:
			0 = Other
			1 = Unknown ID
			2 = Unknown Security
			3 = Unsupported Message Type
			4 = Application not available
			5 = Conditional Required Field Missing
Standa	ard Trailer	Υ	



6.3.3 TradeCaptureReportRequest (Forex)

Tag	g Field Name Required Comments		Comments	
Standa	ird Header	Υ	MsgType = AD	
568	TradeRequestID	Υ	ld assigned by the client to the request.	
569	TradeRequestType	Υ	Trade Capture Report type:	
			0 = All trades.	
263	SubscriptionRequestType	Υ	Subscription Request Type:	
			1 = Snapshot + Updates.	
			2 = Disable previous Snapshot and Update	
			Request; i.e., unsubscribe.	
			9 = Updates only	
55	Symbol	Υ	Supported value: "NA"	
			Individual instrument subscription is not currently supported.	
compo	nent block <trdcapdtgrp></trdcapdtgrp>			
1408	DefaultCstmAppIVerID	Y	2.1 = extended STP event type set support .	
			XML = completed trade details delivered in XML	
Standa	ird Trailer	Υ		



6.3.4 TradeCaptureReportRequestAck (Forex)

Tag	Tag Field Name		Comments	
Standa	ard Header	Υ	MsgType = AQ	
568	TradeRequestID	Y	ld assigned by the client to the request.	
569	TradeRequest Type	Y	0 = All trades	
263	SubscriptionRequestType	Y	1 = Snapshot + Updates	
			2 = Disable previous Snapshot + Update Request	
			9 = Updates.	
749 TradeRequestResult		Υ	0 = Successful	
			8 = Unsupported TradeRequestType	
			9 = Unauthorized for Trade Capture Report Request	
			99 = Other	
750	TradeRequestStatus	Υ	0 = Accepted	
			2 = Rejected	
55	Symbol	Υ	Supported value: "NA"	
			Individual instrument subscription is not currently supported.	
Standa	ard Trailer	Υ		



6.3.5 Trade Capture Report (Forex)

The following Trade Capture Report is returned for Trade Capture Report Requests made with DefaultCstmApplVerID (1408) = XML.

Tag	Field Name	Required	Comments
Standar	d Header	Y	MsgType = n
212	XMLDataLen	Y	The size of the XML message in tag 213.
213	XMLData	Y	Trade detail in XML format.
Standard	d Trailer	Y	

The following Trade Capture Report is returned for Trade Capture Report Requests made with DefaultCstmApplVerID (1408) = 2.1.

Tag	Field Name	Required	Comments
Standard	l Header	Υ	MsgType = AE
571	TradeReport ID	Y	Unique identifier assigned by Currenex to the trade capture report.
1003	TradeID	Y	Currenex assigned trade id; e.g., A200623400QJB00
			Currenex assigned allocation tradeid when ExecType (150) is set to
			4 - Rejected from clearing
			J – Trade in a clearing hold
			K – Fully Cleared
568	TradeRequestID	Y	Id assigned by the client to the request when report is in response to a Trade Capture Report Request.



Tag	Field Name	Required	Comments
828	TrdType	N	Trade processing system. Supported values: 101 - RFQ 102 - ESP 103 - Order (non ESP) 104 - MidX
			Set when ExecType (150) equals one of the following:
			0 - New Trade
			W - Allocated (optional, only set if event is due to pre-trade allocation)
			Z – Rolled
855	SecondaryTrdType (Block Trade indicator)	N	0= Regular Trade
			1 = Block Trade
829	TrdSubType	N	0= Staged Order
880	TrMatchID	N	The parent trade id on trades where a hub and or prime broker is in place. Not sent for bank direct or OXO trades.
17	ExecID	N	Unique RFQ buy side identifier
			Set when ExecType (150) equals one of the following:
			0 - New Trade
			4 – Rejected from clearing
			J – Trade in a clearing hold
			K - Fully Cleared
			W - Allocated (optional, only set if event is due to pre-trade allocation)
			Z - Rolled
527	SecondaryExecID	N	Unique identifier assigned to the trade by the sell side.



Tag	Field Name	Required	Comments
570	PreviouslyReported	Y	Indicates if a trade capture report has been previously sent: Y – previously sent N – not previously sent
150	ExecType (a.k.a. Event Type)	Y	0 - New Trade: generated upon a trade execution
			4 – Rejected from clearing
			H – Cancel trade: generated when an existing trade is canceled.
			J – Trade in a clearing hold
			K – Fully Cleared
			G – Amend Trade: generated when an existing trade is amended.
			V- Money Manager (MM) allocated trade.
			W – Allocated Trade: generated when one (1) trade is allocated among one or many accounts. Each trade allocation has a reference back to the parent original trade.
			X – Spot Forward Breakout: Similar to an allocation except that the tenors can vary.
			Y – Cancel Rebook: generated when one (1) or many trades are canceled and replaced by one (1) trade
			Z – Rolled Trade: generated when a trade is rolled forward. New trade has a reference back to the original.
Compone	ent <rootparties></rootparties>	Υ	



Tag			Field Name	Required	Comments
1116	NoRoo	otPartyl	Os	Y	Number of RootPartyIDs to follow.
\rightarrow	1117	1117 RootPartyID			Identifies each party to the trade
→	1118 RootPartyIDSource			N	Identifies whether Root Party ID is the reporting party for continuation data for SDR purposes. Omitted if not the reporting party M - Reporting Party
→	1119 RootPartyRole			Y	Role of the party identified in the RootPartyID: 1 – Executing firm 4 - Clearing Firm (FCM) 13 – Originating Customer 14 – Prime Broker 29 – Hub/Intermediary
\rightarrow	Comp	onent <	RootSubParties>		
→	1120				Present for RootPartyRole (1119) equal to 1 or 13: 1- Foreign Exchange Contract 2- Non deliverable forward contract
→	→	1121	RootPartySubID	N	Additional identifier related to RootPartyID (1117). When RootPartySubIDType (1122) is set to 2, value will equal User ID. When RootPartySubIDType (1122) is set to N, value will equal LEI LEI of the FCM when 1119=4
→	→	1122	RootPartySubIDType	N	Type of RootPartySubID (1121): 2 = Individual Person. N = Legal Entity Identifier



Tag		Field Name	Required	Comments
\rightarrow	End Co	omponent <rootsubparties></rootsubparties>		
End Cor	nponent	<rootparties></rootparties>		
Compon	ent <lns< td=""><td>trument></td><td></td><td></td></lns<>	trument>		
55	Symbo	ol .	Y	Currency pair of the Forex trade or the currency of a Loan/Deposit (LD)
65	Symbo	olSfx	Y	Trade type: SP – spot OR – forward SW – swap LD – loan/deposit
460	Produc	pt .	Y	4 – FX instruments 8 – LD
167	Securit	tyType	N	Set to FXNDF for NDF trades
Compon	ent <lns< td=""><td>trumentParties></td><td>_</td><td></td></lns<>	trumentParties>	_	
\rightarrow	1018	NoInstrumentParties	N	Always 1
>	1019	InstrumentPartyID	N	Used to identify the clearing house. E.g., LCH, CME
\rightarrow	1050	InstrumentPartyIDSource	N	D = proprietary/custom code
\rightarrow	1051	InstrumentPartyRole	N	21 = Clearing Organization (DCO)
End Cor	nponent	<instrumentparties></instrumentparties>		
End Cor	nponent	<instrument></instrument>		
32	LastQt	у	Y	Trade amount or swap trade near leg amount in Currency (15)
				Principal amount if an LD
31	LastPx		Y	All in spot, fwd or near leg fwd price, where the spot rate used is the LastSpotRate (194) Interest ratefor a LD
1056	Calcula	atedCcyLastQty	Y	Trade amount or near leg trade amount in counter



Tag	Field Name	Required	Comments
			currency tag 120. Interest Amount for a LD
15	Currency	Υ	Dealt currency of the trade.
120	SettlCurrency	N	Counter currency.
			Not used for LD
194	LastSpotRate	N	Spot rate.
			Not used for LD
631	Midpoint	N	Mid-rate, present on non- spot trades
			Can appear more than once.
195	LastForwardPoints	N	Forward points or near leg forward points.
			Not used for LD
			If enabled, will display brokerage points for MidX.
1071	LastSwapPoints	N	Far leg points.
			Not used for LD
7596	MidPx2	N	Mid-rate for far leg of Swap
			Can appear more than once.
75	TradeDate	Υ	Trade Date in YYYYMMDD format.
Compone	ent <trdinstrmtleggrp></trdinstrmtleggrp>	N	Optional group, used for offsetting new trades if the requester is a Hub or PB.
			Used for the parent trade(s) if ExecType(150) = "G","Y" or "Z"
555	NoLegs	N	1 – if its an offsetting new trade leg
			>= 1, if its an amend, rolled, or cancel rebook
\rightarrow	Component <instrumentleg></instrumentleg>		



Tag			Field Name	Required	Comments			
\rightarrow	600	LegSy	mbol		N	Supported value: "NA"		
\rightarrow	624	LegSid	de		N	Side of hub to maker leg, if present: 1 =Buy 2= Sell		
→	556	LegCu	rrency		N	Currency of hub to maker LegQty (687), if present.		
\rightarrow	566	LegPri	ce		N	Trade spot rate of hub to maker's leg, if present.		
\rightarrow	631	Midpoi	nt		N	Mid-rate, present if the requestor is a hub.		
\rightarrow	7596	MidPx	2		N	Mid-rate for far leg of swap, present if the requestor is a hub.		
\rightarrow	End Component <instrumentleg></instrumentleg>							
\rightarrow	687	LegQty	/		N	Trade amount in LegCurrency (556)		
→	990	LegRe	portID		N	On hub and Prime Broker (PB) requests: Currenex offsetting trade identifier.		
						If applicable, Currenex identifier for Amended, Rebooked, or Rolled trade or trades.		
	Comp	onent <	NestedParties>		N	N		
→	539	NoNestedPartyIDs			N	NestedPartyID and NestedPartyRole form a unique combination for each repeating group: 2 – only valid value		
\rightarrow	\rightarrow	524	NestedPartyID		N	Identifies each party to the trade.		
→	→	525	NestedPartyIDSource		N	Identifies whether Nested Party ID is the reporting party for continuation data for SDR purposes. Omitted if not the reporting party M- Reporting Party		



Tag			ı	Field Name	Required	Comments
→	\rightarrow	538	Neste	dPartyRole	N	Role on the trade of the party identified in the NestedPartyID (524): 1 - Executing firm 13 - Originating Customer 14 - Prime Broker 29 - Hub/Intermediary
→	\rightarrow	compo	nent <	NstdPtysSubGrp>	Υ	
→	→	804	NoNes	stedPartySubIDs	N	Present for NestedPartyRole (538) equal to 1 or 29: 1-Foreign Exchange Contract 2- Non deliverable forward contract
→	→	→	545	545 NestedPartySubID		Currenex assigned user id for the entity identified in NestedPartyID (524)
→	→	→	805	NestedPartySubIDType	N	Type of NestedPartySubID (545): 2 = Individual Person N = Legal Entity Identifier
→	→	End co	ompone	nt <nstdptyssubgrp></nstdptyssubgrp>		TV = Legal Emily Identified
\rightarrow	End C	ompone	nt <ne< th=""><th>stedParties></th><th></th><th></th></ne<>	stedParties>		
→	1073	LegLas	stForwa	rdPoints	N	Trade forward points, or swap trade near leg forward points. Can be a negative value. Not used for LD
→	1074	LegCa	lculated	CcyLastQty	N	Counter currency amount in SettlCurrency (120). Not used for LD
→	1418	LegLas	stQty		N	Swap trades far leg amount in Currency (15). Not used for LD
→	7996	LegLas	stSwapl	Points	N	Far leg points. Not used for LD



Tag			Field Name	Required	Comments
\rightarrow	7997	7 LegCalculatedCcyLastQty2		N	Swap trade far leg calculated amount in SettlCurrency (120).
					Not used for LD
→	Compo	onent <	RegulatoryTradeIDGrp>	N	Optionally provided USI/UTI information. Sent only to hubs for the offset trade.
\rightarrow	1907	NoReg	gulatoryTradeIDs	N	Number of USI/UTI codes included in group.
					1- Forwards
			T		2- Swaps
\rightarrow	\rightarrow	1903	RegulatoryTradeID	N	USI/UTI ID
\rightarrow	\rightarrow	1905	RegulatoryTradeIDSource	N	USI/UTI Prefix
\rightarrow	\rightarrow	1904	RegulatoryTradeIDE vent	N	0 – Initial block trade
					2 – Clearing
→	→	1906	RegulatoryTradeIDType	N	Side of the USI/UTI code for swaps 1- Near Leg 3- Far Leg
\rightarrow	End C	ompone	ent <regulatorytradeidgrp></regulatorytradeidgrp>		
	En	d Comp	onent <trdinstrmtleggrp></trdinstrmtleggrp>	N	
60	Transa	actTime		Y	Time the trade occurred to milliseconds in YYYYMMDD-hh:mm:ss.mmm format For cleared NDF trades where ExecType (150) is set to J, K or 4, TransactTime (60) is the clearinging timestamp provided by the clearing house.
64	SettID	ate		Y	Trade or trade near leg value date in YYYYMMDD format.
	C	Compone	ent <trdcaprptsidegrp></trdcaprptsidegrp>	Y	
552	NoSid	es		Y	1 – only value supported



⇒ 11	Tag			Field Name	Required	Comments
→ 11 ClOrdID N La Or on N Vast → 1 Account Y Tr → 1 Account Y Tr → Component <sideregulatorytradeidgrp> N Or on → 1971 NoSideRegulatoryTradeIDs N Number Nu</sideregulatorytradeidgrp>	→	54 Si	ide		Y	Trade or trade near leg side: 1 buy 2 sell F – lend G - borrow
→ 1 Account Y The t	→	11 CI	OrdIE		N	Last submitted Client Order ID, if result of ESP order execution.
→ Component <sideregulatorytradeidgrp> N Opuse the property of the</sideregulatorytradeidgrp>	\rightarrow	526 Se	econo	daryClOrdID	N	Value from the taker staged order id
→ 1971 NoSideRegulatoryTradeIDs N Nine 1- 2- wh M Mode 3 = cc → → 1972 SideRegulatoryTradeID N US → → 1973 SideRegulatoryTradeIDS ource N US → → 1974 SideRegulatoryTradeIDE vent N 0 → → 1975 SideRegulatoryTradeIDType N Si	→	1 Ac	ccour	nt	Y	The account under which the trade was booked.
ind 1- 2- wh M M dd 3 = cc → → 1972 SideRegulatoryTradeID N US → → 1973 SideRegulatoryTradeIDSource N US → → 1974 SideRegulatoryTradeIDE vent N 0- 2- N SideRegulatoryTradeIDType N SideRegulatoryTradeIDType N SideRegulatoryTradeIDType	\rightarrow	Componer	ent <s< td=""><td>SideRegulatoryTradeIDGrp></td><td>N</td><td>Optionally provided USI/UTI information for the primary trade.</td></s<>	SideRegulatoryTradeIDGrp>	N	Optionally provided USI/UTI information for the primary trade.
→ → 1973 SideRegulatoryTradeIDSource N → → 1974 SideRegulatoryTradeIDE vent N → → 1975 SideRegulatoryTradeIDType N SideRegulatoryTradeIDType	→	1971 No	loSide	RegulatoryTradeIDs	N	Number of USI/UTI codes included in group. 1-Forwards 2-Swaps and Outrights when tag 150 = K for Maker and taker download connections 3 Forwards when tag 150 = K for Download Agent connections
→ → 1974 SideRegulatoryTradeIDE vent N 0.4 → → 1975 SideRegulatoryTradeIDType N Si	→	→ 19	972	SideRegulatoryTradeID	N	USI/UTI ID
→ → 1975 SideRegulatoryTradeIDType N Si	\rightarrow	→ 19	973	SideRegulatoryTradeIDSource	N	USI/UTI Prefix
	\rightarrow	→ 19	974	SideRegulatoryTradeIDE vent	N	0 - Initial block trade 2 - Clearing
→ End Component <sideregulatorytradeidgrp></sideregulatorytradeidgrp>					N	Side of the USI/UTI code for swaps 1- Near Leg 2- Counterparty Near Leg 3- Far Leg



Tag	Field Name					Required	Comments
→	82	825 Day Cou			unt Convention (ExchangeRule)	N	Present for LD trade only. ACT/360 ACT/365 30/360
\rightarrow	Со	mpo	onent	<t< td=""><td>rdAllocGrp></td><td></td><td></td></t<>	rdAllocGrp>		
\rightarrow	78		NoA	Alloc	S	N	Number of allocations
→	\rightarrow		79		AllocAccount	N	Account for this alloction
\rightarrow	\rightarrow		467		IndividualAllocId	N	Taker's id for the allocation
\rightarrow		\rightarrow		Com	ponent <nestedparties2></nestedparties2>		
→		→ 756 NoNested2PartyIds		NoNested2Partylds	N	Number of Nested2Parties in repeating group	
\rightarrow		→ 757		757	Nested2PartyID	N	Legal Entity Identifier (LEI) of the FCM when Nested2PartyIDSource (758) = N and Nested2PartyRole(759)=4
\rightarrow		\rightarrow	758 Nested2PartyIDSource		N	N – Party LEI	
\rightarrow		\rightarrow	7	759 Nested2PartyRole		N	4 = Clearing Firm (FCM)
End Com	ipon	ent	<ne< td=""><td>sted</td><td>Parties2></td><td></td><td></td></ne<>	sted	Parties2>		
→	\		80		AllocQty	N	Amount of this allocation in dealt ccy
\rightarrow	→		989		SecondaryIndividualAllocId	N	Currenex id for allocation
→	→ 8008		8008 AllocSide		AllocSide	N	1 - buy 2 sell F - lend G - borrow
→	→	→ 8012		8012 SfbkSettleDate		N	Spot Forward Break Out (SFBK) leg value date
\rightarrow	→		801	3	SfbkPoints	N	SFBK points for this leg
→	→		8009	9	CalculatedAllocQty	N	AllocQty (80) contra amount.



Tag			F	Field Name	Required	Comments
\rightarrow	\rightarrow	7592	AllocG	Oty2	N	Far amount for swap allocation
→	→	8010	FarCa	alculatedAllocQty	N	Far leg AllocQty2 (7592) contra amount
→	→	Compo	onent <	AllocRegulatoryTradeIDGrp>	N	Optionally provided USI/UTI information for allocated trades.
→	→	1908	NoAllo	ocRegulatoryTradeIDs	N	Number of USI/UTI Codes included in group. 1-Forward 2-Swap
\rightarrow	\rightarrow	\rightarrow	1909	AllocRegulatoryTradeID	N	USI/UTI ID
\rightarrow	\rightarrow	\rightarrow	1910	AllocRegulatoryTradeIDSource	N	USI/UTI Prefix
\rightarrow	→	→	1911	AllocRegulatoryTradeIDE vent	N	1 – Allocation
→	→	→	1912	AllocRegulatoryTradeIDType	N	Side of the USI/UTI code for swaps 1-Near Leg
\rightarrow	→	End C	ompone	nt .		3- Far Leg
			Regulat			
\rightarrow	End C	ompone	nt <trd< td=""><td>AllocGrp></td><td></td><td></td></trd<>	AllocGrp>		
→	1057	Aggres	ssorIndio	cator	N	Present on trades with RootPartyRole = 13 (Originating Customer):
						Y – Aggressor
						N - Aggressed
	End	d Compo	onent <	TrdCapRptSideGrp>		
192	Order	Qty2			N	Swap far leg amount in Currency (15)
193	SettID	ate2			N	Swap far leg settlement date in YYYYMMDD format. Maturity date for LD.



Tag	Field Name	Required	Comments
			Required for LD
7595	CalculatedCcyLastQty2	N	Swap far leg amount in SettlCurrency (120).
6203	FixingDate	N	Fixing date for NDF, or near leg fixing date for NDF swaps
9121	FixingDate2	N	Far leg fixing date for NDF swaps
	Standard Trailer	Υ	

6.3.6 TradeCaptureReportAck (Forex)

If the TradeCaptureReportRequest was made with DefaultCstmAppIVerID (1408) = XML, the following must be sent to acknowledge receipt of the Trade Capture Report.

Tag	Field Name	Required	Comments
Stand	ard Header	Υ	MsgType = n
212	XMLDataLen	Υ	The size of the XML message in tag 213.
			Note: Tag 212 MUST precede tag 213 for the trade acknowledgement to be processed correctly.
213	XMLData	Υ	= xml version="1.0" encoding="UTF-8"?
			<realtimereply><trade><id>CURRENEX_ASSIGNED_ID</id>< status>received</trade></realtimereply>
			Replace "CURRENEX_ASSIGNED_ID" above with the actual Currenex id returned under the partyReference href="Currenex_X in the XML received from Currenex.
			E.g., if the trade XML sent by Currenex has as the Currenex assigned trade id
			<partyreference href="Currenex_X"></partyreference>
			<tradeld>A200907602JH800</tradeld>
			then receipt is acknowledged by sending tag 213 as



		= xml version="1.0" encoding="UTF-8"? <realtimereply><trade><id>A200907602JH800</id><status>rec eived </status></trade></realtimereply>
Standard Trailer	Υ	

If The TradeCaptureReportRequest was made with DefaultCstmApplVerID (1408) = 2.1, the following must be sent to acknowledge receipt of the Trade Capture Report.

Tag	Field Name	Required	Comments
Standard Header		Υ	MsgType = AR
571	TradeReport ID	Υ	The TradeReportID (571) from Trade Capture Report being acknowledged.
55	Symbol	Υ	Supported value: "NA".
Standard Trailer		Υ	



6.4 US Treasury Securities Instrument Specific Application Messages

6.4.1 Trading Session Status (US Treasury Securities)

Tag	Field Name	Required	Comments
	Standard Header	Υ	MsgType tag 35 = h
336	TradingSessionID	Υ	Identifier for this trading session.
340	TradSesStatus	Υ	State of the trading session:
			1= Password reset is required
			5 = Pre-Close
58	Text	N	Descriptive text message.
	Standard Trailer	Υ	

6.4.2 Business Message Reject (US Treasury Securities)

Tag	Field Name	Required	Comments
	Standard Header	Υ	MsgType tag 35 = j
45	RefSeqNum	N	MsgSeqNum of rejected message.
372	RefMsgType	Υ	The MsgType of the FIX message being rejected.
380	BusinessRejectReason	Υ	Code to identify reason for this reject message.
			0 = Other
			1 = Unknown ID
			2 = Unknown Security
			3 = Unsupported Message Type
			4 = Application not available
			5 = Conditional Required Field Missing
	Standard Trailer	Y	

6.4.3 TradeCaptureReportRequest (US Treasury Securities)

Tag	Field Name	Required	Comments		
Standard Header		Y	MsgType = AD		
568	TradeRequestID	Y ID assigned by the client to the request.			
569	TradeRequestType	Υ	Trade Capture Report type:		
			0 = All trades.		



Tag	Field Name	Required	Comments
263	SubscriptionRequestType	Υ	Subscription Request Type:
			1 = Snapshot + Updates.
			9 = Updates only
			2 = Disable previous Snapshot and Update Request; i.e., unsubscribe.
55	Symbol	Υ	Supported value: "NA"
			Individual instrument subscription is not currently supported.
Compo	nent block < TrdCapDtGrp>		
1408	DefaultCstmAppIVerID	Υ	2.0 = extended STP event type support set. If not present,
			defaults to legacy spot Trade Capture message.
Standar	rd Trailer	Υ	

6.4.4 TradeCaptureReportRequestAck (US Treasury Securities)

Tag	Field Name	Required Comments	
Standa	Standard Header		MsgType = AQ
568	TradeRequestID	Υ	ID assigned by the client to the request.
569	TradeRequestType	Υ	0 = All trades
263	SubscriptionRequestType	Υ	1 = Snapshot + Updates
			2 = Disable previous Snapshot+Update Request
			9 = Updates.
749	TradeRequestResult	Υ	0 = Successful
			8 = Unsupported TradeRequestType
			9 = Unauthorized for Trade Capture Report Request
			99 = Other
750	TradeRequestStatus	Υ	0 = Accepted
			2 = Rejected
55	Symbol	Υ	Supported value: "NA"
			Individual instrument subscription is not currently supported.
Standa	rd Trailer	Y	



6.4.5 Trade Capture Report (US Treasury Securities)

Note that spread trades never are reported using the TCR.

Tag	Field Name	Required	Inst	rument Requiren	nents
			Description	Туре	Restrictions
Standa	rd Header		MsgType = AE		
571	TradeReportID	Y	Unique identifier assigned by Exchange to the trade capture report.	String	
1003	TradeID	Y	Exchange assigned trade ID	String	
568	TradeRequestID	Y	ID assigned by the client to the request when report is in response to a Trade Capture Report Request.	String	
828	TrdType	N	Type of execution	int	Supported values: 101 = RFQ 102 - CLOB
150	ExecType (a.k.a. Event Type)	Y	Generated upon a trade execution.	char	UST Supported Values: 0 - New Trade H - Cancel Trade: Generated when an existing trade is cancelled G - Amend Trade: Generated when an existing trade is amended. W - Allocated Trade:



Tag	Field Name	Required	Instrument Requirements				
			Description	Туре	Restrictions		
					Generated when one (1) trade is allocated among one or many accounts. Each trade allocation has a reference back to the parent original trade Y - Cancel Rebook: Generated when one (1) or many trades are canceled and replaced by one (1) trade.		
820	TradeLinkID	N	For offsetting trades this is an ID of the other trade	String			
880	TrMatchID	N	The parent trade id on trades where a hub and or prime broker is in place. Not sent for bank direct trades.	String			
17	ExecID	N	Unique RFQ buy side identifier	String	Set when TrdType (828) = 101 (RFQ) and ExecType (150) equals one of the following: 0 - New Trade		
527	SecondaryExecID	N	Unique identifier assigned to the trade by the sell side.	String			



Tag	ag Field Name			Required	Instrument Requirements			
					Description	Туре	Restrictions	
570) PreviouslyReported			Y	Indicates if a trade capture report has been previlndicates if a trade capture report has been previously sent:	boolean	Y – previously sent N – not previously sent:	
423	PriceType			Y		int	1 = Price (percent of par) 4 = Discount 9 = Yield	
Compo	onent <ro< td=""><td>otParties></td><td>·</td><td></td><td></td><td></td><td></td></ro<>	otParties>	·					
1116	NoRoot	PartylDs		Υ	2 – only supported value	int		
→	1117	RootPartyID		Y	Identifies each party to the trade	String		
→	1119	RootPartyRole		Y	Role of the party identified in the NestedPartyID	String	 1 – Executing firm 13 – Originating Customer 14 – Prime Broker 29 – Hub/Intermediary 	
→	Compo	nent <roo< td=""><td>otSubParties></td><td></td><td></td><td></td><td></td></roo<>	otSubParties>					
→	1120	NoRootSubParties		N		int	Set to 1. Present for RootPartPresent for RootPartyRoles equal to 1 or 13:	
→	→	1121	RootPartySubID	N		String		
→	→	1122	RootPartySubIDType	N		int	2 = Individual Person	



Tag	Field Name	Required	Instrument Requirements								
			Description	Туре	Restrictions						
→	→ End Component < RootSubParties>										
End Co	End Component < RootParties >										
Compo	Component < Instrument>										
55	Symbol	Υ	Instrument Symbol	String	Tenor						
65	SymbolSfx	Υ	Instrument Symbol Suffix	String	State (WI,OTR,OLDn)						
48	SecurityID	Y	Unique security ID assigned to instrument	String	CUSIP						
22	SecurityIDSource	Y	Identifies class of Security ID	String	1 = CUSIP						
460	Product	Y	Standard codes as specified	int	6 (Government)						
167	Security Type	Y	Supported values as shown	String	TBILL, TNOTE, TBOND						
541	MaturityDate	N	Date of Maturity	Date	Any acceptable business day						
225	IssueDate (First Fixing Date)	N	Date instrument was issued	Date	Any acceptable business day						
223	CouponRate	N	Coupon Rate assigned to US Treasury Instrument	int							
End Co	End Component <instrument></instrument>										
Compo	onent < Yield Data >										
236	Yield	N	Yield	Percentage							



Tag		Field Name	Required	Instrument Requirements			
				Description	Туре	Restrictions	
End Co	omponen	t <yielddata></yielddata>					
32	LastQt	у	Y	Amount	Qty		
31	LastPx		Y	Price	Price		
75	TradeE	Date	Y	Trade Date	Date		
Compo	Component < TrdInstrmtLegGrp>			Optional group, used for offsetting new trade if the requester is a Hub or PB.			
555	NoLeg	S	N	1 – if its an offsetting new trade leg	int		
Compo	onent <in:< td=""><td>strumentLeg></td><td></td><td>Required component</td><td></td><td></td></in:<>	strumentLeg>		Required component			
→	600	Leg Symbol	Y	NA	String	NA	
End Co	omponen	t <instrumentleg></instrumentleg>					
→	687	LegQty	N	Amount	Qty		
→	566	LegPrice	N	Price	Price		
→	990	LegReportID	N	On Hub and Prime Broker (PB) requests: UST offsetting trade identifier.	String	If applicable, ID for amended, rebooked trade	
Compo	Component < NestedParties>						
→	539	NoNestedPartyIDs	N	NestedPartyID and NestedPartyRole form a unique combination for each repeating group:	int	2	



Tag			Field Na	ame	Required	Instrument Requirements			
						Description	Туре	Restrictions	
						2 – only valid value			
→	→	524	Neste	dPartyID	N	Identifies each party to the trade.	String		
→	→	538 NestedPartyRole		N	Role in the trade of the party identified in 524	int	Role on the trade of the party identified in the NestedPartyID (524): 1 - Executing firm 13 - Originating Customer 14 - Prime Broker 29 - Hub/Intermediary		
→	→	compo	nent <n< th=""><th>stdPtysSubGrp></th><th>N</th><th></th><th></th><th></th></n<>	stdPtysSubGrp>	N				
→	→	804	NoNe	stedPartySubIDs	N	Present for NestedPartyRole (538)	int	Always "1"	
→	→	→	545	NestedPartySubID	N		String	SubType=2 Exchange assigned user ID for the firm identified in RootPartyID (524).	
→	→	→	805	NestedPartySubID Type	N	Type of NestedPartySubID (545):	String	2 - Individual Person	
→	→	End co	mponer	nt <nstdptyssubgrp></nstdptyssubgrp>					
→	End Co	mponen	t <neste< th=""><th>edParties></th><th></th><th></th><th></th><th></th></neste<>	edParties>					



Field Name			Required	Instrument Requirements			
				Description	Туре	Restrictions	
1075	LegGros	ssTradeAmount	N	Principle Amount	String		
1418	LegLast	tQty	N	Accrued interest amount	float		
mponent	<trdinstri< td=""><td>mtLegGrp></td><td></td><td></td><td></td><td></td></trdinstri<>	mtLegGrp>					
Transac	ctTime		Υ	Time the trade occurred.	TimeStamp		
SettlDat	te		Υ	Settlement Date	Date		
nent <tro< td=""><td>lCapRptS</td><td>ideGrp></td><td></td><td></td><td></td><td></td></tro<>	lCapRptS	ideGrp>					
NoSide	S		Y	Only one side used	int	1 – only value supported	
54	Side		Y	Trade side	char	1 - buy 2 - sell	
11	ClOrdID)	N	Last submitted Client Order ID	String		
1	Account		Υ	The account under which the trade was booked.	String		
381	GrossTr	radeAmt	Y	Principal amount	float		
159	AccruedInterestAmt		N	Accrued interest	float		
Component <trdallocgrp></trdallocgrp>							
78	NoAllocs		N	Number of Allocations	int		
→	79	AllocAccount	N	Account for this allocation	String		
→	467	IndividualAllocId	N	Taker's ID for the allocation	String		
	1418 mponent Transac SettlDa nent < Tro NoSide 54 11 1 381 159 Compo 78 →	1075 LegGros 1418 LegLas mponent < TrdInstr TransactTime SettlDate nent < TrdCapRptS NoSides 54 Side 11 ClOrdID 1 Account 381 GrossTi 159 Accrued Component < Trd 78 NoAlloc → 79	1075 LegGrossTradeAmount 1418 LegLastQty mponent < TrdInstrmtLegGrp> TransactTime SettlDate nent < TrdCapRptSideGrp> NoSides 54 Side 11 ClOrdID 1 Account 381 GrossTradeAmt 159 AccruedInterestAmt Component < TrdAllocGrp> 78 NoAllocs → 79 AllocAccount	1075 LegGrossTradeAmount N 1418 LegLastQty N mponent < TrdInstrmtLegGrp> TransactTime Y SettlDate Y nent < TrdCapRptSideGrp> NoSides Y 54 Side Y 11 ClOrdID N 1 Account Y 381 GrossTradeAmt Y 159 AccruedInterestAmt N Component < TrdAllocGrp> N 78 NoAllocs N → 79 AllocAccount N	Description 1075 LegGrossTradeAmount N Principle Amount 1418 LegLastQty N Accrued interest amount Imponent < TrdInstrmtLegGrp> TransactTime Y Time the trade occurred. SettlDate Y Settlement Date nent < TrdCapRptSideGrp> NoSides Y Only one side used 54 Side Y Trade side 11 ClOrdID N Last submitted Client Order ID 1 Account Y The account under which the trade was booked. 381 GrossTradeAmt Y Principal amount 159 AccruedInterestAmt N Accrued interest Component < TrdAllocGrp> 78 NoAllocs N Number of Allocations → 79 AllocAccount N Account for this allocation	Description Type 1075 LegGrossTradeAmount N Principle Amount String 1418 LegLastQty N Accrued interest amount float Import of Allocations TransactTime Y Time the trade occurred. TimeStamp SettlDate Y Settlement Date Date Date NoSides Y Only one side used int 54 Side Y Trade side char 11 ClOrdID N Last submitted Client Order ID String 1 Account Y The account under which the trade was booked. String 381 GrossTradeAmt Y Principal amount float Component < TrdAllocGrp> 78 NoAllocs N Number of Allocations int 79 AllocAccount N Account for this allocation String	



Tag	Field Name			Required	Instrument Requirements		
					Description	Туре	Restrictions
→	→	80	AllocQty	N	Amount of this alloc in dealt ccy	float	
→	→	742	AllocAccruedInterestAmt	N	Accrued interest amount of this allocation	float	
→	→	989	SecondaryIndividualAlloc Id	N	ID for this allocation	String	
→	→	8008	AllocSide	N	Direction	int	1 – Buy 2 – Sell
→	End Co	End Component < TrdAllocGrp>					
→	1057 AggressorIndicator		N	Optionaly supported only on trades with RootPartyRole = 13 (Originating Customer)	boolean	Suported Values: Y – aggressor N - aggressed	
End Component < TrdCapRptSideGrp>							
Standard Trailer							



6.4.6 TradeCaptureReportAck (US Treasury Securities)

Tag	Field Name	Required	Comments
Standa	rd Header		MsgType = AR
571	TradeReportID	Y	The TradeReportID (571) from Trade Capture Report being acknowledged
55	Symbol	Υ	Supported value: "NA"
Standa	rd Trailer	Y	

7 APPENDIX

7.1 UTC Time Format

All time and date formats must be in Coordinated Universal Time (UTC), commonly known as Greenwich Mean Time (GMT). The formats of various dates as defined by the World Wide Web Consortium (W3C) are

Year:

YYYY (2003)

Year and month:

YYYYMM (200307)

• Complete date:

YYYYMMDD (20030716)

Complete date plus hours and minutes:

YYYYMMDD-hh:mm (20030716-19:20)

Complete date plus hours, minutes and seconds:

YYYYMMDD-hh:mm:ss (20030716-19:20:30)

• Complete date plus hours, minutes, seconds and milliseconds

YYYYMMDD-hh:mm:ss.mmm (20030716-19:20:30.183)

Where

```
YYYY = four-digit year

MM = two-digit month (01=January, etc.)

DD = two-digit day of month (01 through 31)

hh = two digits of hour (00 through 23) (am/pm NOT allowed)

mm = two digits of minute (00 through 59)

ss = two digits of second (00 through 59)

mmm = three digit millisecond (000 – 999)
```

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7.2 Revision History

Revision Number	Revision Date	Page Number	Update	
1	14 December 2012	18, 23	Section 5.3.5, Trade Capture Report: NDF support added, and Unique Swap Identifier (USI) added, ComplianceID (376).	
2	01 February 2013	14, 20	Sections 5.3.3, TradeCaptureReportRequest and 5.3.5 TradeCaptureReport: Support added for version 2.1 of Trade Capture Report.	
3	26 March 2013	21-23	Section 5.3.5: Removed ComplianceID (376). Added RegulatoryTradeIDGrp.	
4	24 May 2013	16, 23	Section 5.3.5: Support added for staged order allocations; added TrdSubType (829), SecondaryClOrdID (526).	
5	24 July 2013	*	Added additional SEF related tag (LEI/CICI, Block Trade Indicator, Reporting Party Flag)	
6	21 August 2013	24	Section 5.3.5: Day Count Convention (ExchangeRule) (825) changed from required to non-required.	
7	17 September 2013	21	Section 5.3.5: Added NestedPartyIDSource (525) as the reporting party flag for the offsetting trade	
8	09 January 2014	23-25	Section 5.3.5: Unique Trade Identifier (UTI) added to existing USI fields.	
9	27 June 2014	13	Section 5.3.3: Removed references to legacy trade capture report types.	
10	5 November 2014	9-26	Support for cleared NDFs added throughout.	
11	12 March 2015	*	Support for US Treasury Instruments added throughout.	
12	28 April 2015	12	Added Section 5: Message Ordering.	
13	4 May 2015	39	Section 6.4.5: Updated the Restrictions for NestedPartyRole (538) and NoNestedPartySubIDs (804) on a US Treasury TradeCaptureReport (35=AE) message.	
14	15 May 2015	33	Section 6.4.5: Removed references to post trade aggregation.	
15	16 March 2016	17, 21	Section 6.3.5: Support added for MidX in TrdType (828) and LastForwardPoints (195).	

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