

CME STP FIX Library

Use the filters below to query the CME STP FIX message specification by Tag, Name, Req, Format, and Global (entire specification).



This page lists all CME STP FIX message types in a set order. Message types may be blank if the filter is not applicable.

Please scroll through the list of messages to see full results.

• [CME STP FIX - TradeCaptureReport - StreamGrp](#) — /TrdCaptRpt/Instrmt/Strm (repeating)

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
40049	NoStreams		N	NuminGroup	Number of swap streams in the repeating group.	
40050	Stream Type	Typ	N	int	Type of swap stream.	<ul style="list-style-type: none"> 0 - Payment / cash settlement 1 - Physical delivery
40052	Stream Pay Side	PaySide	N	int	Side value of party paying the stream.	<ul style="list-style-type: none"> 1 - Buy 2 - Sell
40053	Stream Receive Side	RcvSide	N	int	Side value of party receiving the stream.	<ul style="list-style-type: none"> 1 - Buy 2 - Sell
40054	Stream Notional	Notl	N	Amt	Notional, or initial notional value for the payment stream. Use <PaymentSchedule> for steps.	
41306	Stream Notional Frequency Period	NotlPeriod	N	int	Time unit multiplier for the notional frequency. If present StreamNotionalFrequencyUnit(tbd) must be specified.	
41307	Stream Notional Frequency Unit	NotlUnit	N	String	Time unit associated with the notional frequency. If present StreamNotionalFrequencyPeriod(tbd) must be specified.	<ul style="list-style-type: none"> D - Day H - Hour Min - Minute Mo - Month S - Second Wk - Week Yr - Year
41309	Stream Notional Unit of Measure	NotlUOM	N	String	Stream notional UOM.	<ul style="list-style-type: none"> Alw - Allowances BDFT - Board feet Bbl - Barrels Bcf - Billion cubic feet Bu - Bushels CBM - Cubic Meters CER - Certified Emissions Reduction CRT - Climate Reserve Tonnes Ccy - Amount of currency EnvCrd - Environmental Credit EnvOfst - Environmental Offset GJ - Gigajoules GT - Gross Tons

						<ul style="list-style-type: none"> • Also known as long tons or imperial tons, equal to 2240 lbs • Gal - Gallons • IPNT - Index point • L - Liters • MMBtu - One Million BTU • MMbbl - Million Barrels • MW-M - Megawatt-Month (electrical capacity) • MWh - Megawatt hours • PRINC - Principal with relation to debt instrument • cwt - Hundredweight (US) • day - Days • dt - Dry metric tons • g - Grams • kL - Kiloliters • kW-M - Kilowatt-Month (electrical capacity) • kWh - Kilowatt hours • kg - Kilograms • lbs - pounds • oz_tr - Troy Ounces • t - Metric Tons (aka Tonne) • thm - Therms • tn - Tons (US)
41310	Stream Total Notional	TotNot1	N	Amt	Total notional or delivery quantity over the term of the contract.	
41311	Stream Total Notional Unit of Measure	TotNot1UOM	N	String	Stream total notional UOM.	<ul style="list-style-type: none"> • Alw - Allowances • BDFT - Board feet • Bbl - Barrels

- Bcf - Billion cubic feet
- Bu - Bushels
- CBM - Cubic Meters
- CER - Certified Emissions Reduction
- CRT - Climate Reserve Tonnes
- Ccy - Amount of currency
- EnvCrd - Environmental Credit
- EnvOfst - Environmental Offset
- GJ - Gigajoules
- GT - Gross Tons
- Also known as long tons or imperial tons, equal to 2240 lbs
- Gal - Gallons
- IPNT - Index point
- L - Liters
- MMBtu - One Million BTU
- MMbbl - Million Barrels
- MW-M - Megawatt-Month (electrical capacity)
- MWh - Megawatt hours
- PRINC - Principal with relation to debt instrument
- cwt - Hundredweight (US)
- day - Days
- dt - Dry metric tons
- g - Grams
- kL - Kiloliters

- kW-M - Kilowatt -Month (electric al capacity)
- kWh - Kilowatt hours
- kg - Kilograms
- lbs - pounds
- oz_tr - Troy Ounces
- t - Metric Tons (aka Tonne)
- thm - Therms
- tn - Tons (US)

StreamCommodity		Cmnty				
41251	Stream Commodity Base	Base	N	String	Specifies the general base type of the commodity traded. Where possible, this should follow the naming convention used in the 2005 ISDA Commodity Definitions.	
41255	Stream Commodity Description	Desc	N	String	Description of the commodity asset.	
StreamAssetAttributeGrp (repeating)		AssetAttr				
41237	NoStreamAssetAttributes			NuminGroup	Number of asset attribute entries in the group.	
41238	Stream Asset Attribute Type	Typ		String	Name of the attribute being specified.	See enumerations.
41239	Stream Asset Attribute Value	Val		String	Value of the attribute	
StreamCommoditySettlementPeriodGrp (repeating)		SettlPeriod				
41289	NoStreamCommoditySettlPeriods		N	NuminGroup	Number of commodity settlement periods in the repeating group.	
41291	Stream Commodity Settlement Time Zone	TZ		String	Commodity delivery timezone specified as prevailing rather than standard or daylight . E.g. CPT for Central (US) Prevailing Time.	
41292	Stream Commodity Settlement Flow Type	FlowTyp		int	Commodity delivery flow type.	<ul style="list-style-type: none"> • 0 - All times • 1 - On-peak • 2 - Off-peak • 3 - Base • 4 - Block hours • 5 - Other
41300	Stream Commodity Settlement Holidays Processing Instruction	Holiday		int	Indicates whether holidays are included in the settlement periods. Required for electricity contracts.	<ul style="list-style-type: none"> • 0 - Do not include holidays • 1 - Include holidays
StreamEffectiveDate		EfectvDt				
40914	Adjusted Effective Date	Dt	N	LocalMktDate	Adjusted effective date.	
StreamTerminationDate		TrmtnDt				
40072	Adjusted Termination Date	Dt	N	LocalMktDate	Adjusted Termination Date.	
PaymentStream		PmtStrm				
PaymentStreamPaymentDates		PmtDts				
42615	Payment Stream Payment Frequency Period	FreqPeriod	N	int	The period of frequency of payments.	
42616	Payment Stream Payment Frequency Unit	FreqUnit	N	String	The unit of frequency of payments.	<ul style="list-style-type: none"> • D - Day • Mo - Month • T - Term • Wk - Week • Yr - Year

PaymentStreamFixedRate		Fixed				
40784	Rate	Rt	N	Percentage	Rate if the payment stream is a fixed rate stream.	
40786	Rate or Amount Currency	Ccy	N	Currency	Specifies the currency in which PaymentStreamFixedAmount (40785) or PaymentStreamRate(40784) is denominated. Uses ISO 4271 currency codes.	
PaymentStreamFloatingRate		Float				
40789	Floating Rate Index	Ndx	N	String	Floating Rate Index.	
41196	Floating Rate Index Location	NdxLctn	N	String	Specifies the location of the floating rate index.	
40793	Floating Rate Multiplier	RtMult	N	float	A rate multiplier to apply to the floating rate. A multiplier schedule is expressed as explicit multipliers and dates. In the case of a schedule, the step dates may be subject to adjustment in accordance with any adjustments specified in the calculationPeriodDatesAdjustments. The multiplier can be less than or greater than 1 (one). This element should only be included if the multiplier is not equal to 1 (one) for the term of the stream.	
40794	Floating Rate Spread	Spread	N	PriceOffset	Spread from floating rate index.	
DeliveryStream		DlvryStrm				
41062	Delivery Point	DlvryPnt	N	String	The point at which the commodity product will be delivered and received. Unconstrained string for most commodities. For bullion see http://www.fpml.org/coding-scheme/bullion-delivery-location	
41063	Delivery Restriction	DlvryRstctn	N	int	Specifies under what conditions the buyer and seller should be excused of their delivery obligations.	<ul style="list-style-type: none"> • 1 - Firm (never excused of delivery obligations) • 2 - Interruptible or Non-firm (excused when interrupted for any reason or for no reason without liability) • 3 - Force majeure (excused when prevented by force majeure). • 4 - System firm (must be supplied from the owned or controlled generation or pre-existing purchased power assets of the system specified) • 5 - Unit firm (must be supplied from the generation asset specified) • 101 - Firm Liquidating Damages • 102 - WSPP Sched C Firm Liquidating Damages

• [CME STP FIX - TradeCaptureReport - UnderlyingStreamGrp](#) — /TrdCaptRpt/Undly/Strm (repeating)

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
40540	NoUnderlyingStreams		N	NuminGroup	Number of swap streams in the repeating group.	
40541	Underlying Stream Type	Typ	N	int	Type of swap stream.	<ul style="list-style-type: none"> • 0 - Payment / cash settlement • 1 - Physical delivery

40543	Underlying Stream Pay Side	PaySide	N	int	Side value of party paying the stream.	<ul style="list-style-type: none"> • 1 - Buy • 2 - Sell
40544	Underlying Stream Receive Side	RcvSide	N	int	Side value of party receiving the stream.	<ul style="list-style-type: none"> • 1 - Buy • 2 - Sell
40545	Underlying Stream Notional	Not1	N	Amt	Notional, or initial notional value for the payment stream. Use <SwapSchedule> for steps.	
42019	Underlying Stream Notional Frequency Period	Not1Period	N	int	Time unit multiplier for the notional frequency. If present UnderlyingStreamNotionalFrequencyUnit (tbd) must be specified.	
42020	Underlying Stream Notional Frequency Unit	Not1Unit	N	String	Time unit associated with the notional frequency. If present UnderlyingStreamNotionalFrequencyPeriod (tbd) must be specified.	<ul style="list-style-type: none"> • D - Day • H - Hour • Min - Minute • Mo - Month • S - Second • WK - Week • Yr - Year
42022	Underlying Stream Notional Unit of Measure	Not1UOM	N	String	Delivery UnderlyingStream quantity UOM.	<ul style="list-style-type: none"> • Alw - Allowances • BDFT - Board feet • Bbl - Barrels • Bcf - Billion cubic feet • Bu - Bushels • CBM - Cubic Meters • CER - Certified Emissions Reduction • CRT - Climate Reserve Tonnes • Ccy - Amount of currency • EnvCrd - Environmental Credit • EnvOfst - Environmental Offset • GJ - Gigajoules • GT - Gross Tons • Also known as long tons or imperial tons, equal to 2240 lbs • Gal - Gallons • IPNT - Index point • L - Liters

						<ul style="list-style-type: none"> • MMBtu - One Million BTU • MMbbl - Million Barrels • MWh - Mega watt-Month (electrical capacity) • MWh - Mega watt hours • PRINC - Principal with relation to debt instrument • cwt - Hundredweight (US) • day - Days • dt - Dry metric tons • g - Grams • kL - Kiloliters • kW-M - Kilowatt-Month (electrical capacity) • kWh - Kilowatt hours • kg - Kilograms • lbs - pounds • oz_tr - Troy Ounces • t - Metric Tons (aka Tonne) • thm - Therms • tn - Tons (US)
42023	Underlying Stream Total Notional	TotNot1	N	Amt	Total notional or delivery quantity over the term of the contract.	
42024	Underlying Stream Total Notional Unit of Measure	TotNot1UOM	N	String	Delivery UnderlyingStream quantity UOM.	<ul style="list-style-type: none"> • Alw - Allowances • BDFT - Board feet • Bbl - Barrels

- Bcf - Billion cubic feet
- Bu - Bushels
- CBM - Cubic Meters
- CER - Certified Emissions Reduction
- CRT - Climate Reserve Tonnes
- Ccy - Amount of currency
- EnvCr d - Environmental Credit
- EnvOf st - Environmental Offset
- GJ - Gigajoules
- GT - Gross Tons
- Also known as long tons or imperial tons, equal to 2240 lbs
- Gal - Gallons
- IPNT - Index point
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- MMBt u - One Million BTU
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- MW- M - Megawatt-Month (electrical capacity)
- MWh - Megawatt hours
- PRIN C - Principal with relation to debt instrument

- cwt - Hundredweight (US)
- day - Days
- dt - Dry metric tons
- g - Grams
- kL - Kiloliters
- kW-M - Kilowatt-Month (electrical capacity)
- kWh - Kilowatt hours
- kg - Kilograms
- lbs - pounds
- oz_tr - Troy Ounces
- t - Metric Tons (aka Tonne)
- thm - Therms
- tn - Tons (US)

UnderlyingStreamCommodity		Cmnty				
41964	Underlying Stream Commodity Base	Base	N	String	Specifies the general base type of the commodity traded. Where possible, this should follow the naming convention used in the 2005 ISDA Commodity Definitions.	
41968	Underlying Stream Commodity Description	Desc	N	String	Description of the commodity asset.	
UnderlyingStreamAssetAttributeGrp (repeating)		AssetAttrb				
41800	NoUnderlyingStreamAssetAttributes		N	NuminGroup	Number of asset attribute entries in the group.	
41801	Underlying Stream Asset Attribute Type	Typ	N	String	Name of the attribute being specified.	See enumerations .
41802	Underlying Stream Asset Attribute Value	Val	N	String	Value of the attribute	
UnderlyingStreamCommoditySettlementPeriodGrp (repeating)		SettlPeriod				
42002	NoUnderlyingStreamCommoditySettlPeriods		N	NuminGroup	Number of commodity settlement periods in the repeating group.	
42004	Underlying Stream Commodity Settlement Time Zone	TZ	N	String	Commodity delivery timezone specified as prevailing rather than standard or daylight . E.g. CPT for Central (US) Prevailing Time.	
42005	Underlying Stream Commodity Settlement Flow Type	FlowTyp	N	int	Commodity delivery flow type.	<ul style="list-style-type: none"> • 0 - All times • 1 - On-peak • 2 - Off-peak • 3 - Base • 4 - Block hours • 5 - Other
42013	Underlying Stream Commodity Settlement Holidays Processing Instruction	Holidays	N	int	Indicates whether holidays are included in the settlement periods. Required for electricity contracts.	<ul style="list-style-type: none"> • 0 - Do not include holidays • 1 - Include holidays
UnderlyingStreamEffectiveDate		EffctvDt				

40664	Underlying Adjusted Effective Date	Dt	N	LocalMktDate	Adjusted effective date.	
UnderlyingStreamTerminationDate		TrmtnDt				
40555	Underlying Adjusted Termination Date	Dt	N	LocalMktDate	Adjusted Termination Date.	
UnderlyingPaymentStream		PmtStrm				
UnderlyingPaymentStreamPaymentDates		PmtDts				
40583	Underlying Payment Stream Payment Frequency Period	FreqPeriod	N	int	The period of frequency of payments.	
40584	Underlying Payment Stream Payment Frequency Unit	FreqUnit	N	String	The unit of frequency of payments.	<ul style="list-style-type: none"> • D - Day • Mo - Month • T - Term • Wk - Week • Yr - Year
UnderlyingPaymentStreamFixedRate		Fixed				
40615	Underlying Rate	Rt	N	Percentage	Rate if the payment stream is a fixed rate stream.	
40617	Underlying Rate or Amount Currency	Ccy	N	Currency	Specifies the currency in which UnderlyingPaymentStreamFixedAmount(40616) or UnderlyingPaymentStreamRate(40615) is denominated. Users ISO 4271 currency codes.	
UnderlyingPaymentStreamFloatingRate		Float				
40620	Underlying Floating Rate Index	Ndx	N	String	Floating Rate Index.	
41913	Underlying Floating Rate Index Location	NdxLctn	N	String	Specifies the location of the floating rate index.	
40624	Underlying Floating Rate Multiplier	RtMult	n	float	A rate multiplier to apply to the floating rate. A multiplier schedule is expressed as explicit multipliers and dates. In the case of a schedule, the step dates may be subject to adjustment in accordance with any adjustments specified in the calculationPeriodDatesAdjustments. The multiplier can be less than or greater than 1 (one). This element should only be included if the multiplier is not equal to 1 (one) for the term of the stream.	
40625	Underlying Floating Rate Spread	Spread	N	PriceOffset	Spread from floating rate index.	
UnderlyingDeliveryStream		DlvryStrm				
41781	Underlying Delivery Point	DlvryPnt	N	String	The point at which the commodity product will be delivered and received. Unconstrained string for most commodities. For bullion see http://www.fpml.org/coding-scheme/bullion-delivery-location	

41782	Underlying Delivery Restriction	DlvryRstctn	N	int	Specifies under what conditions the buyer and seller should be excused of their delivery obligations.	<ul style="list-style-type: none"> • 1 - Firm (never excused of delivery obligations) • 2 - Interruptible or Non-firm (excused when interrupted for any reason or for no reason without liability) • 3 - Force majeure (excused when prevented by force majeure). • 4 - System firm (must be supplied from the owned or controlled generation or pre-existing purchased power assets of the system specified) • 5 - Unit firm (must be supplied from the generation asset specified) • 101 - Firm Liquidating Damages • 102 - WSPP Sched C Firm Liquidating Damages
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• [CME STP FIX - TradeCaptureReport - UndInstrmtGrp](#) —
/TrdCaptRpt/UndInstrmtGrp (repeating)

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
UndInstrmtGroup (repeating)						
711	NoUnderlyingInstruments		N	NumInGroup	Number of underlying legs that make up the security.	
UnderlyingInstrument		Undly				
311	Underlying Symbol	Sym	N	String	Underlying security's Symbol. [N/A] when TrdCaptRpt/Undly/@Sym in FIXML is absent or empty.	
312	UnderlyingSymbolISfx	Sfx	N	String	Underlying security's SymbolSfx.	<ul style="list-style-type: none"> • CD=EUCP with lump-sum interest rather than discount price • WI = "When Issued" for a security to be reissued under an old CUSIP or ISIN
309	Underlying Product Code	ID	N	String	Used as the primary identifier for the underlying instrument.	
305	Underlying Product Code Source	Src	N	String	Identifies the source of the underlying instrument.	H - Clearing House / Clearing Organization
310	Underlying Security Type	SecTyp	N	String	Used to indicate the type of underlying security being reported.	<ul style="list-style-type: none"> • CMDTYSWAP - Commodity Swap • FUT - Future • FWD - Forward • MLEG - Multi Leg (Combo)

313	Underlying Maturity	MMY	N	MonthYear	The expiration period code of an underlying instrument.	Month and Year of the underlying instrument maturity Format: <ul style="list-style-type: none"> • YYYYMM (i.e. 201403) • YYYYMMDD (20140323) • YYYYMMwN (201403w1)
308	Underlying Product Exchange	Exch	N	Exchange	The exchange on which the underlying security is listed.	<ul style="list-style-type: none"> • CBT - Chicago Board of Trade • CEE - Stock Exchange Group • CME - Chicago Mercantile Exchange • COMEX - Commodities Exchange, Inc • DME - Dubai Mercantile Exchange • IFUS - Intercontinental Exchange • NGXC - Natural Gas Exchange • NODX - Nodal • NYMEX - New York Mercantile Exchange • NYMSW - CME Swaps - NYMEX • VMAC - VMAC • XNAS - Nasdaq • XXXX - OTC Trades
UnderlyingStreamGrp (repeating)		Strm				

• **CME STP FIX - TradeCaptureReport - SideRegulatoryTradeIDGrp — /TrdCaptRpt/RptSide/RegTrdID (repeating)**

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
10034	NoSideRegTradeIDs		N	NumInGroup	Number of entries in the repeating group.	
10027	Side Regulatory Trade ID	ID	N	String	Regulatory Trade ID for the trade side. Will be used to communicate the Universal Swap Identifier (USI) or Unique Trade Identifier (UTI) associated with a cleared trade.	
10028	Side Regulatory Trade ID Source	Src	N	String	ID of reporting entity assigned by regulatory agency.	
10029	Side Regulatory Trade ID Event	Evnt	N	int	Event causing origination of the ID, e.g. Clearing.	2 - Clearing
10030	Side Regulatory Trade ID Type	Typ	N	int	The type of Regulatory Trade ID being sent.	0 - Current (the default)
10031	Side Regulatory Leg Reference ID	LegRefID	N	String	When reporting the USI or UTI of a spread or strategy, this indicates the leg number that the USI or UTI references, as communicated in the LegNo field.	
10032	Side Regulatory Trade ID Scope	Scope	N	int	Included when a trade must be assigned more than one identifier, e.g. one for the clearing member and another for the client on a cleared trade as with the principal model in Europe.	<ul style="list-style-type: none"> • 1 - Clearing member • 2 - Client

• **CME STP FIX - TradeCaptureReport - TrdInstrmtLegGrp — /TrdCaptRpt/TrdLeg (repeating)**

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations	
555	NoLegs		N	NumInGroup	Total number of entries in NoLegs group (number of trade legs).		
InstrumentLeg		Leg					
687	Leg Quantity	Qty	N	Qty	The actual quantity of the leg as it participated in the spread trade.		
990	Leg Report ID	RptID	N	String	This represents the report ID for the leg as generated by the clearing system		
1152	Leg Number	LegNo	N	int	A number identifying the leg within a strategy or spread. When reporting a USI or UTI, the field LegRefID will reference this number.		
654	Leg Reference ID	RefID	N	String	A unique Trade ID generated by the clearing system for this leg.		

637	Leg Last Price	LastPx	N	Price	Used to report the trade price or execution price assigned to the leg of the strategy or spread instrument.	
1001	Leg Original Time Unit	OrigTmUnit	N	String	Specifies the Time Unit for this leg of the original trade, e.g. whether it was entered as contracts per day or per month. Note that all trades are normalized to default units in STP, regardless of the units originally used to enter the trade.	<ul style="list-style-type: none"> • D - Day • H - Hour • Min - Minute • Mo - Month • S - Second • Wk - Week • Yr - Year
10038	Leg Trading Quantity	TrdgQty	N	Qty	Leg quantity per Original Time Unit as submitted on a CME ClearPort API trade report when a product has multiple time units, or, Product Variable Quantity Unit (VQU) is not 'S' (standard), and the product subtype (Monthly, daily, weekly) is not equal to the time unit entered for the trade.	
10051	LegPriceSubType	PxSubType	N	String	This is a further qualification of the Price Type, and determines whether this is an initial (preliminary) or final price.	0 - Initial Price 1 - Final
10052	LegDifferential PriceType	DiffPxType	N	String	This indicates the type of differential price represented in the Differential Price attribute.	0 - Differential from Settlement Price 1 - Differential between legs
2492	LegDifferential Price	DiffPx	N	Price	Represents the differential price for spreads, or a TAS or TAM differential price.	
686	LegPriceType	PxType	N	String	Indicates the type of the price associated with the trade. Will not be present for IRS/FRA trades.	1 - Percentage (i.e. percent of par) 2 - Per unit (i.e. per share or contract) 10 - Fixed cabinet trade price (primarily for listed futures and options) 11 - Variable cabinet trade price (primarily for listed futures and options) 100 - Tentative placeholder price 101 - Updated actual price
TradeCapLegUnderlyingsGrp (repeating)		Undlyys				
UnderlyingLegInstrument		Undly				
1342	NoLegUnderlyingInstruments		N	NumIn Group	Total number of entries in LegUnderlyingInstrument group.	
1332	Leg Underlying Product Code	ID		String	Used as the primary identifier for the leg's underlying instrument.	
1333	Leg Underlying Product Code Source	Src		String	Identifies the source of the leg's underlying instrument.	H - Clearing House / Clearing Organization
1337	Leg Underlying Security Type	SecTyp		String	Used to indicate the type of the leg's underlying security being reported.	<ul style="list-style-type: none"> • FUT - Future • FWD - Forward • MLEG - Multi Leg (Combo)

1339	Leg Underlying Maturity	MMY		MonthYear	The expiration period code of the leg's underlying instrument.	Month and Year of the leg's underlying instrument maturity <i>Format:</i> <ul style="list-style-type: none"> • YYYYMM (i.e. 201403) • YYYYMMD D (20140323) • YYYYMMw N (201403w1)
1341	Leg Underlying Product Exchange	Exch		String	The exchange on which the leg's underlying security is listed.	<ul style="list-style-type: none"> • CBT - Chicago Board of Trade • CEE - Stock Exchange Group • CME - Chicago Mercantile Exchange • COMEX - Commodities Exchange, Inc • DME - Dubai Mercantile Exchange • IFUS - International Exchange • NGXC - Natural Gas Exchange • NODX - Nodal • NYMEX - New York Mercantile Exchange • NYMSW - CME Swaps - NYMEX • VMAC - VMAC • XNAS - Nasdaq • XXXX - OTC Trades
LegPositionAmountData (repeating)	Amt					
1586	NoLegPosAmt	Amt			Number of Leg Position Amount Entries.	
1587	Leg Position Amount	Amt	N	Amt	Used to capture the FX premium amount.	
1588	Leg Position Amount Type	Typ	N	String	The type of monetary amount associated with a transaction.	CRES - Cash Residual Amount ICPN - Initial Trade Coupon Amount IPMT - Upfront Payment PREM - Premium Amount TVAR - Trade Variation Amount

1589	Leg Position Amount Currency	Ccy	N	Currency	The currency of the amount specified.	
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• CME STP FIX - TradeCaptureReport - Instrument —

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
55	Product Symbol	Sym	Y	String	Symbol for a CME contract, e.g. CLX05. Will not be present for IRS/FRA/SWAPTION trades.	
48	Product Code	ID	Y	String	Symbol for CME product, e.g. CL.	
22	Source of the Product Code	Src	Y	String	Identifies the source of the Security ID. If it is not specified, the default of Clearing is used.	H - Clearing House / Clearing Organization
461	CFI Code	CFI	N	String	Indicates the type of security using ISO 10962 standard, Classification of Financial Instruments (CFI code) values.	
167	Security Type	SecTyp	N	String	Indicates type of instrument or security.	<ul style="list-style-type: none"> • CMDTYSWAP - Commodity Swap • FRA - Forward Rate Agreement • FUT - Future • FWD - Forward • FXSPOT - FX Spot • IRS - Interest Rate Swap • MLEG - Multi Leg (Combo) • OPT - Option • SWAPTION - Swaption
762	Security Sub Type	SubTyp	N	String	For spreads, indicates the strategy type.	CME STP FIX - Supported Strategy Type Codes
200	Maturity Month Year	MMY	N	MonthYear	Specifies the month and year of maturity.	<ul style="list-style-type: none"> • YYYYMM (i.e. 201403) • YYYYMMD (20140323) • YYYYMMwN (201403w1)
541	Maturity Date	Matdt		LocalMktDate	Date of Maturity	
224	Next Coupon Date	CpnPmt	N	LocalMktDate	This is used to indicate the next date on which Coupon Premium is due.	
202	Strike Price	StrkPx	N	Price	Strike price for an option.	
967	Strike Multiplier	StrkMult	N	float	Used for derivatives. Multiplier applied to the strike price for the purpose of calculating the settlement value.	
1866	Strike Index	StrkNdx	N	String	Specifies the index used to calculate the strike price.	
10046	Strike Index Location	StrkNdxLctn	N	String	Location of the strike price index.	
1481	UnderlyingPriceDeterminationMethod	PxDtrmnMeth	N	int	Specifies how the underlying price is determined at the point of option exercise. The underlying price may be set to the current settlement price, set to a special reference, set to the optimal value of the underlying during the defined period ("Look-back") or set to the average value of the underlying during the defined period ("Asian option").	<ul style="list-style-type: none"> • 1 - Regular • 2 - Special reference • 3 - Optimal value (Lookback) • 4 - Average value (Asian option)
6070	Price Multiplier	Mult	N	float	Price multiplier used to convert the change in price (sell - buy) into P&L per contract.	
996	Unit Of Measure	UOM	N	String	Physical unit of measure for Derivative products. Additional values may be used by mutual agreement of the counterparties.	<ul style="list-style-type: none"> • Alw - Allowances • BDFT - Board feet • Bbl - Barrels

- Bcf - Billion cubic feet
- Bu - Bushels
- CBM - Cubic Meters
- CER - Certified Emissions Reduction
- CRT - Climate Reserve Tonnes
- Ccy - Amount of currency
- EnvCr d - Environmental Credit
- EnvOf st - Environmental Offset
- FEU - Forty foot equivalent unit
- GJ - Gigajoules
- GT - Gross Tons
- Also known as long tons or imperial tons, equal to 2240 lbs
- Gal - Gallons
- IPNT - Index point
- L - Liters
- MMBtu - One Million BTU
- MMbbl - Million Barrels
- MW-M - Megawatt-Month (electrical capacity)
- MWh - Megawatt hours

						<ul style="list-style-type: none"> • PRIN • C - Principal with relation to debt instrument • cwt - Hundredweight (US) • day - Days • dt - Dry metric tons • g - Grams • kL - Kiloliters • kW-M - Kilowatt-Month (electrical capacity) • kWh - Kilowatt hours • kg - Kilograms • lbs - pounds • oz_tr - Troy Ounces • t - Metric Tons (aka Tonne) • thm - Therms • tn - Tons (US) • wt - Wet metric tons
1716	Unit of Measure Currency	UOMCcy	N	Currency	Indicates the currency of the unit of measure. Conditionally required when UnitOfMeasure = Ccy.	
1147	Unit of Measure Quantity	UOMQty	N	Qty	Contract's defined quantity, used to calculate total traded notional quantity.	
1191	Price Unit of Measure	PxUOM	N	String	The Unit of measure of the quoted Price. For example it is USD for a Eurodollar contract.	<ul style="list-style-type: none"> • Alw - Allowances • BDFT - Board feet • Bbl - Barrels • Bcf - Billion cubic feet • Bu - Bushels • CBM - Cubic Meters • CER - Certified Emissions Reduction

- CRT - Climate Reserve Tonnes
- Ccy - Amount of currency
- EnvCr d - Environmental Credit
- EnvOf st - Environmental Offset
- GJ - Gigajoules
- GT - Gross Tons
- Also known as long tons or imperial tons, equal to 2240 lbs
- Gal - Gallons
- IPNT - Index point
- L - Liters
- MMBt u - One Million BTU
- MMbbl - Million Barrels
- MW- M - Mega watt-Month (electrical capacity)
- MWh - Mega watt hours
- PRIN C - Principal with relation to debt instrument
- cwt - Hundredweight (US)
- day - Days
- dt - Dry metric tons
- g - Grams
- kL - Kiloliters

						<ul style="list-style-type: none"> • kW-M - Kilowatt-Month (electrical capacity) • kWh - Kilowatt hours • kg - Kilograms • lbs - pounds • oz_tr - Troy Ounces • t - Metric Tons (aka Tonne) • thm - Therms • tn - Tons (US)
1193	Settlement Method	SettlMeth	N	char	Settlement method for a contract. Can be used as an alternative to CFI Code value	<ul style="list-style-type: none"> C - Cash settlement required E - Election at exercise P - Physical settlement required
1194	Exercise Style	ExerStyle	N	int	Type of exercise of a derivatives security	<ul style="list-style-type: none"> • 0 - European • 1 - American • 2 - Bermuda
201	Put Or Call	PutCall	N	int	Indicates whether an option contract is a put or call.	<ul style="list-style-type: none"> • 0 - Put • 1 - Call

207	Product Exchange	Exch	N	Exchange	The exchange where the security is listed.	<ul style="list-style-type: none"> • CBT - Chicago Board of Trade • CEE - Stock Exchange Group • CME - Chicago Mercantile Exchange • COMEX - Commodities Exchange, Inc • DME - Dubai Mercantile Exchange • FXS - FX Spot • IFUS - Intercontinental Exchange • NGXC - Natural Gas Exchange • NODX - Nodal • NYMEX - New York Mercantile Exchange • NYMSW - CME Swaps - NYMEX • VMAC - VMAC • XNAS - Nasdaq • XXXX - OTC Trades
107	SecurityDesc	Desc	N	String	Long name description of the instrument symbol (product name).	
10026	Price Quote Currency	ExQteCcy	N	Currency	The currency in which the price is quoted.	
SecAltIDGrp (repeating)		AltID				
454	NoSecurityAltID		N	NumInGroup	Number of alternate Security Identifiers.	
455	Alternate Identifier	AltID	N	String	The value of the alternate security identifier.	
456	Alternate Identifier Source	AltIDSrc	N	String	The source of the alternate security identifier.	<ul style="list-style-type: none"> • 112 - TAM Marker Price Symbol • N - Markit RED entity CLIP • P - Markit RED pair CLIP
1184	SecurityXML	SecXML				
1185	FpML	FpML				
EvtGrp (repeating)		Evt				
864	NoEvents		N	NumInGroup	Number of reported events.	

865	Event Date Type	EventTyp	N	int	Represents the type of event associated with the contract.	<ul style="list-style-type: none"> • 13 - First Delivery Date • 111 - Unadjusted Next Coupon Date • 112 - Unadjusted Previous Coupon Date • 113 - Unadjusted Previous Previous Coupon Date • 121 - Fixing Date
866	Event Date Value	Dt	N	LocalMktDate	Represents the value or date associated with the type of event.	
OptionExercise		OptExer				
OptionExerciseDates		Dts				
41122	Option Exercise Frequency Period	FreqPeriod	N	int	Time unit multiplier for the frequency of exercise dates. If present OptionExerciseFrequencyUnit(tbd) must be specified.	
41123	OptionExerciseFrequencyUnit	FreqUnit	N	String	Time unit associated with the frequency of exercise dates. If present OptionExerciseFrequencyPeriod(tbd) must be specified.	<ul style="list-style-type: none"> • D - Day • H - Hour • Min - Minute • Mo - Month • S - Second • Wk - Week • Yr - Year
StreamGrp (repeating)		Strm				

• **CME STP FIX - TradeCaptureReport - InstrumentLeg** — /TrdCaptRpt/TrdLeg/Leg

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
600	Leg Symbol	Sym	C	String	Symbol for a CME Contract, e.g. CLX05. <div style="border: 1px solid gray; padding: 5px; margin: 5px 0;">  Symbol now matches the value used by clearing firms in the FEC system, and may differ somewhat from the representation used in the legacy CTAPI system. </div> Required if tag 555-NoLegs > 0	
602	Leg Product Code	ID	C	String	CME Group clearing product code for leg instrument, e.g. CL (2 Characters) Required if tag 555-NoLegs > 0	
603	Leg Product ID Source	Src	C	String	Source for leg Security ID Required if tag 555-NoLegs > 0	H - Clearing House / Clearing Organization
608	Leg CFI	CFI	N	String	Indicates the type of leg security using ISO 10962 standard, Classification of Financial Instruments (CFI code) values.	
609	Leg Security Type	SecTyp	N	String	Indicates type of instrument or security for this leg.	FUT - Future FWD - Forward MLEG - Multi Leg (Combo) OPT - Option
610	Leg Maturity	MMY	N	MonthYear	Specifies the month and year of maturity of this leg.	Month and Year of this leg instrument maturity <i>Format:</i> <ul style="list-style-type: none"> • YYYYMM (i.e. 201403) • YYYYMMDD (20140323) • YYYYMMwN (201403w1)
611	Leg Maturity Date	Mat	N	LocalMktDate	Multileg instrument's individual security's MaturityDate.	
612	Leg Strike Price	Strk	N	Price	Strike price for a leg that is an option.	

10045	Leg Contract Multiplier	Mult	N	float	Price multiplier used to convert the change in price (sell - buy) into P&L per contract leg.	
999	Leg Unit of Measure	UOM	N	String	The leg unit of measure of the product upon which the contract is based. It is also referred to as the trading unit.	<ul style="list-style-type: none"> • Alw - Allowances • BDFT - Board feet • Bbl - Barrels • Bcf - Billion cubic feet • Bu - Bushels • CBM - Cubic Meters • CER - Certified Emissions Reduction • CRT - Climate Reserve Tonnes • Ccy - Amount of currency • EnvCrd - Environmental Credit • EnvOfst - Environmental Offset • FEU - Forty foot equivalent unit • GJ - Gigajoules • GT - Gross Tons • Also known as long tons or imperial tons, equal to 2240 lbs • Gal - Gallons • IPNT - Index point • L - Liters • MMBtu - One Million BTU • MMbbl - Million Barrels • MW-M - Megawatt-Month (electrical capacity) • MWh - Megawatt hours • PRINC - Principal with relation to debt instrument • cwt - Hundredweight (US) • day - Days • dt - Dry metric tons • g - Grams • kL - Kiloliters • kW-M - Kilowatt-Month (electrical capacity) • kWh - Kilowatt hours • kg - Kilograms • lbs - pounds • oz_tr - Troy Ounces • t - Metric Tons (aka Tonne) • thm - Therms • tn - Tons (US) • wt - Wet metric tons
1224	Leg Unit of Measure Quantity	UOMQty		Qty	Contract's defined quantity, used to calculate total traded notional quantity per spread leg.	
1720	Leg Unit of Measure Currency	UOMCcy		Currency	Currency of the leg unit of measure. Conditionally available when UOM=Ccy. Will be populated where appropriate.	

616	Leg Product Exchange	Exch		String	The exchange where the leg security is listed.	<ul style="list-style-type: none"> • CBT - Chicago Board of Trade • CEE - Stock Exchange Group • CME - Chicago Mercantile Exchange • COMEX - Commodities Exchange, Inc • DME - Dubai Mercantile Exchange • IFUS - Intercontinental Exchange • NGXC - Natural Gas Exchange • NODX - Nodal • NYMEX - New York Mercantile Exchange • NYMSW - CME Swaps - NYMEX • VMAC - VMAC • XNAS - Nasdaq • XXXX - OTC Trades
620	Leg Security Description	Desc	N	string	Multileg instrument's individual security's SecurityDesc.	
624	Leg Buy Sell Code	Side		char	Indicates the side of this leg within the spread or strategy.	<ul style="list-style-type: none"> • 1 - Buy • 2 - Sell
1358	Leg Put Or Call	PutCall		int	Indicates whether a leg that is an option contract is a put or call.	<ul style="list-style-type: none"> • 0 - Put • 1 - Call
2192 Please Note: This is a FIX 5.0 tag	Settlement Method	SettlMeth	N	string	Settlement method for a contract. Can be used as an alternative to CFI Code value.	
Leg Security Alternate Identifier Block (repeating)	LegSecurityAltID					
604	NoLegSecurityAltID	NoLegSecAltID		NumInGroup	Total number of entries in LegSecurityAltID Group.	
605	LegSecurityAltID	SecAltID	N	String	Alternate Security identifier value for this security of SecurityAltIDSource type (e.g. CUSIP, SEDOL, ISIN, etc).	
606	LegSecurityAltIDSource	SecAltIDSrc	N	String	Identifies class or source of the LegSecurityAltID value. Required if LegSecurityAltID is specified.	112 - TAM Marker Price Symbol



• **CME STP FIX - TradeCaptureReport - CommissionDataGrp — /TrdCaptRpt/RptSide/CommData**




Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
2639	NoCommissions		N	NumInGroup	Number of commissions in the repeating group.	
2642	Commission Basis	Basis	N	int	Indicates the method used to calculate broker fees.	<ul style="list-style-type: none"> • 1 - Per Unit (implying shares, par, currency, etc.) • 2 - Percent • 8 - Amount per contract
2640	CommissionAmount	Amt	N	Amt	The Commission Amount.	
2641	CommissionAmount Type	Typ	N	Int	Type of Commission.	Value = 0.
2643	Commission Currency	Ccy	N	Currency	Currency of broker fees. Default is USD.	

2644	Commission Unit of Measure	UOM	N	String	Unit of measure for computing the broker fees. Used when Basis = Per Unit.	<ul style="list-style-type: none"> Alw - Allowances BDFt - Board feet Bbl - Barrels Bcf - Billion cubic feet Bu - Bushels CBM - Cubic Meters CER - Certified Emissions Reduction CRT - Climate Reserve Tonnes Ccy - Amount of currency EnvCrd - Environmental Credit EnvOfst - Environmental Offset FEU - Forty foot equivalent unit GJ - Gigajoules GT - Gross Tons Also known as long tons or imperial tons, equal to 2240 lbs Gal - Gallons IPNT - Index point L - Liters MMBTu - One Million BTU MMbbl - Million Barrels MW-M - Megawatt-Month (electrical capacity) MWh - Megawatt hours PRINC - Principal with relation to debt instrument cwt - Hundredweight (US) day - Days dt - Dry metric tons g - Grams kL - Kiloliters kW-M - Kilowatt-Month (electrical capacity) kWh - Kilowatt hours kg - Kilograms lbs - pounds oz_tr - Troy Ounces t - Metric Tons (aka Tonne) thm - Therms tn - Tons (US) wt - Wet metric tons
2645	Commission Unit of Measure Currency	UOMCcy	N	Currency	Unit of measure currency for computing the broker fees. Used when Unit of Measure = Ccy.	
2646	Commission Rate	Rt	N	float	Rate used to calculate broker fees. For example, \$1 per contract, or \$0.01 per barrel.	
2649	Commission Leg Ref ID	LegRefID	N	String	Trade leg identifier. Indicates that the broker fees apply to a specific trade leg. For a spread with broker fees specified, this field is present for each leg.	

• CME STP FIX - Trade Capture Report Request —

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
	Standard Message Header		Y		Tag 35-MessageType = AD	
568	TradeRequestID	ReqID	Y	String	Unique identifier for a Trade Capture Report Request.	
1003	TradeID	TrdID	N	String	Used to query for a trade with specific CME Front End Clearing (FEC) Firm Trade ID	
1040	TradeID2	TrdID2	N	String	Used to query for a trade with specific Secondary Trade ID (unique across all trade dates and all clearing firms)	
569	TradeRequestType	ReqTyp	Y	Int	Type of Trade Capture Report requested. The first query or subscription must specify matched trades (1). Subsequent requests for a query or subscription must specify unreported trades (3).	<ul style="list-style-type: none"> '0' (Allegro clients) '1' (Initial request) '3' - Unreported trades that match criteria

263	SubscriptionRequestType	SubReqType	Y	Char	Subscription request type.	<ul style="list-style-type: none"> '0' (Snapshot) '1' (Subscription) <p>Subscription request 263=1 timestamped in the past would yield (Snapshot + Subscriptions)</p> <p>During a snapshot request tag 263-SubscriptionRequestType =0, when the message timestamps in tag 779-LastUpdate is greater than the timestamp in Tag 52-SendingTime the subscriptions are current trade messages.</p>
11	ClOrdID	ClOrdID	N	String	Used to request trade for specific Client order ID (tag 37-OrderID provided for CME Globex trades and the Order ID for Pit trades)	
715	ClearBusinessDate	BizDt	N	LocalMktDate	Used to limit snapshot and subscription requests to specific clearing date.	
442	MultilegReportingType	MLegRptType	Y	Int	Multi-leg reporting type.	<ul style="list-style-type: none"> '2' (Request outright deals and Individual legs of multileg security), '3' (Request outright deals and summary for multileg deals).
578	TradeInputSource	InptSrc	N	String	Used to limit snapshot and subscription requests to a specific trade input source	<ul style="list-style-type: none"> 'CPC' (CME ClearPort Clearing) 'CXFIT' (COMEX Trading Floor) 'GLBX' (CME Globex) 'NXPIT' (NYMEX Trading Floor) 'PCBOT' (CBOT Trading Floor and CBOT Transfers) 'FIRM' <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;">  Other values may be added without prior notice. </div>
779	LastUpdateTime	LastUpdateTm	C	UTCTime stamp	<p>Date/time which subscription should start pull data from.</p> <p><i>Format:</i> YYYYMMDD-HH:MM:SS (UTC time zone)</p> <ul style="list-style-type: none"> Request without tag 779-LastUpdateTime will default to current date and time. <p>This tag is not used for Snapshot requests and will be ignored if present.</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin-top: 10px;">  The timestamp format for the Trade Capture Report Request response is YYYYMMDD-HH:MM:SS (UTC time zone) Example: 20200520-01:14:39 </div>	
9593	StartTime	StartTm	C	UTCTime stamp	<p>Start date/time of snapshot request.</p> <p><i>Format:</i> YYYYMMDD-HH:MM:SS (UTC time zone)</p> <p>Conditionally required for subscription requests (when tag 263-SubscriptionRequestType = '1'). Will be ignored for snapshot requests (when tag 263-SubscriptionRequestType = '0').</p> <p><i>FIX Client is allowed to submit requests covering period of 31 calendar days.</i></p>	

9594	EndTime	EndTm	N	UTCTime stamp	End date/time of snapshot or subscription request. Optional for subscription requests. Not used for Snapshot requests. <i>Format: YYYYMMDD-HH:MM:SS (UTC time zone)</i> <i>FIX Client is allowed to submit requests covering period of 31 calendar days.</i>	
Parties Block (repeating)						
453	NoPartyIDs		Y	NumInGroup	Number of entries in block.  It is expected that tag 453-NoPartyIDs should always be present and be >= 1, i.e. request should be made for single FirmID or multiple FirmIDs.	
448	PartyID	ID	N	String	Firm ID as assigned by CME STP	
452	PartyRole	R	N	Int	Role assigned to the Firm by CME STP during registration.	<ul style="list-style-type: none"> • '7' (Trading Firm) • '30' (Brokerage Firm) • '49' (Asset Manager)
Instrument Block						
48	SecurityID	ID	N	String	Used to limit a subscription or snapshot requests to a specific CME product, e.g. CL.  tag 48-SecurityID should be specified along with tag 207-SecurityExchange	
167	Security Type	SecTyp	N	String	Used to limit a subscription or snapshot requests to a specific security type	<ul style="list-style-type: none"> • 'FUT' (Future) • 'OPT' (Option) • 'MLEG' (Multi-leg) • 'FWD' (Forward) • 'IRS' (Interest Rate Swaps) • 'FRA' (Forward Rate Agreement)
207	Security Exchange	Exch	C	Exchange	Used to limit a subscription or snapshot requests to a specific CME Group listing exchange.  Tag is required if tag 48-SecurityID is specified.	<ul style="list-style-type: none"> • 'CBT' • 'CEE' • 'CMD' • 'CME' • 'COMEX' • 'DME' • 'NYMEX'
Trade Dates Block (repeating)						
580	NoTrade Dates		N	NumInGroup	Number of trade dates which subscription or snapshot request is limited to. <i>Only one date may be specified.</i>	
75	TradeDate	TrdDt	N	LocalMkt Date	Used to limit a subscription or snapshot requests to a specific dates <i>Format: YYYYMMDD</i>	

• [CME STP FIX - Trade Capture Report Request Ack](#) —

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
Standard Message Header			Y		Tag 35-MessageType = AQ	
568	TradeRequestID	ReqID	Y	String	Unique ID from client.	

569	TradeRequestType	ReqTyp	Y	Int	Type of Trade Capture Report requested.	<ul style="list-style-type: none"> '1' (Initial request) '3' (Unreported trades that match criteria)
263	SubscriptionRequestType	SubReqTyp	N	Char	Subscription request type.	<ul style="list-style-type: none"> '0' (Snapshot) '1' (Subscription) '2' (Unsubscribe)
749	TradeRequestResult	ReqRslt	Y	Int	Result of trade subscription.	<ul style="list-style-type: none"> '0' (Successful) '1' (Invalid or unknown instrument) '2' (Invalid type of trade requested) '3' (Invalid parties) '9' (Unauthorized for Trade Capture Report Request) '99' (Other)
750	TradeRequestStatus	ReqStat	Y	Int	Status of trade subscription.	<ul style="list-style-type: none"> '0' (Accepted) '1' (Completed) '2' (Rejected)
58	Text	Txt	N	String	Free format text string for error messaging.	
Standard Message Trailer			Y			

• Standard Header from Client System to CME STP —

Tag	Name	Req	Format	Description	Enumerations
8	BeginString	Y	String	Identifies beginning of new message and protocol version. Always unencrypted, must be first field in message.	FIX4.4
9	BodyLength	Y	Length	Message length, in bytes, forward to the CheckSum field. Always unencrypted, must be second field in message.	
35	MsgType	Y	String	Defines message type. Always unencrypted, must be third field in message.	
49	SenderCompID	Y	String	Assigned value as defined by CME Group used to identify firm sending message. Always unencrypted.	
50	SenderSubID	N	String	Optional Client Assigned value used to identify specific message originator (user) within a firm. If populated in Logon message, same value must be populated in subsequent messages from client to CME STP. CME STP will populate this value in 57-TargetSubID on messages routed to the client.	
56	TargetCompID	Y	String	Assigned value used to identify receiving firm. Format: 'CMESTPFIX#' The value will be incremented for each new user at the Firm, e.g., CMESTPFIX1, CMESTPFIX2, CMESTPFIX3, etc. Always unencrypted.	
57	TargetSubID	N	String	If populated in Logon message, Only acceptable value is "STP" and same value need to be populated in subsequent messages from client to CME STP. CME STP will populate this value in 50-SenderSubID on messages routed to the client. Always unencrypted.	
34	MsgSeqNum	Y	SeqNum	Integer message sequence number.	
43	PossDupFlag	N	Boolean	Indicates possible retransmission of message with this sequence number. Required for retransmitted messages.	'Y' (Possible duplicate) 'N' (Original transmission)
97	PossResend	N	Boolean	Indicates that message may contain information that has been sent under another sequence number.	'Y' (Possible resend) 'N' (Original transmission)
52	SendingTime	Y	UTCTimestamp	Time of message transmission (expressed in UTC). YYYYMMDD-HH:MM:SS.sss Can be embedded within encrypted data section. UTC Timestamps are sent in number of nanoseconds since Unix epoch synced to a master clock to microsecond accuracy.	

122	OrigSendTime	N	UTCTime stamp	Original time of message transmission when transmitting messages as the result of resend request (expressed in UTC). UTC Timestamps are sent in number of nanoseconds since Unix epoch synced to a master clock to microsecond accuracy. Required for message resent as a result of a resend request.	
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- Standard Header from CME STP to Client System —

Tag	Name	Req	Format	Description	Enumerations
8	BeginString	Y	String	Identifies beginning of new message and protocol version. Always unencrypted, must be first field in message.	FIX4.4
9	BodyLength	Y	Length	Message length, in bytes, forward to the CheckSum field. Always unencrypted, must be second field in message.	
35	MsgType	Y	String	Defines message type. Always unencrypted, must be third field in message.	
49	SenderCompID	Y	String	Assigned value used to identify firm sending message. Format: 'CMESTPFIX#' The value will be increased for each new user at the Firm, e.g., CMESTPFIX1, CMESTPFIX2, CMESTPFIX3, etc. Always unencrypted.	
50	SenderSubID	N	String	Only applicable value is 'STP'. Will be populated by CME STP if 57-TargetSubID is provided by client on Session Logon Request.	
56	TargetCompID	Y	String	Assigned value as defined by CME Group used to identify receiving firm. Always unencrypted.	
57	TargetSubID	N	String	CME STP will populate this value from 50-SenderSubID if provided by client Session Logon Request. Will be present in all messages routed CME STP back to FIX Clients. Always unencrypted.	
34	MsgSeqNum	Y	SeqNum	Integer message sequence number.	
43	PossDupFlag	N	Boolean	Indicates possible retransmission of message with this sequence number. Required for retransmitted messages.	'Y' (Possible duplicate) 'N' (Original transmission)
97	PossResend	N	Boolean	Indicates that message may contain information that has been sent under another sequence number.	'Y' (Possible resend) 'N' (Original transmission)
52	SendingTime	Y	UTCTime stamp	Time of message transmission (expressed in UTC). UTC Timestamps are sent in number of nanoseconds since Unix epoch synced to a master clock to microsecond accuracy. YYYYMMDD-HH:MM:SS.sss Can be embedded within encrypted data section.	
122	OrigSendTime	N	UTCTime stamp	Original time of message transmission when transmitting messages as the result of resend request (expressed in UTC). UTC Timestamps are sent in number of nanoseconds since Unix epoch synced to a master clock to microsecond accuracy. Required for message resent as a result of a resend request.	

- STP Standard Trailer —

Tag	Name	Req	Format	Description
10	Checksum	Y	String (3)	Always last tag in message. Functions as end-of-message delimiter.

- CME STP FIX - TradeCaptureReport —

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
Standard Message Header			Y		Tag 35-MsgType = AE	
571	TradeReportID	RptID	N	String	Identifies the specific trade report being sent. This is usually the unique message ID for the trade being reported. However, legs of spreads can share the same message ID. TrdID2 and RptID together form a unique key.	

1003	Trade ID	TrdID	N	String	Trade ID for the trade entity is assigned by the CME clearing system. It is unique per trade side/leg and for the (trading firm / executing firm) and exchange for a given Trade Date. Trade ID will not change during the life of the trade. Note that should a trading firm do business with multiple clearing firms, Trade ID may not be unique. Will not be present for IRS/FRA trades.	
1040	Secondary Trade ID	TrdID2	N	String	Used to carry a secondary trade ID. Unlike TrdID, this is unique across all trade dates and all clearing firms.	
10036	Package ID	PackageID	N	String	A value that identifies the group of trades or a portfolio of trades cleared simultaneously under the one Package ID.	
487	TradeReportTransType	TransTyp	N	int	Indicates the action being taken on a trade. Note that STP does not guarantee new trades must be reported with New(0) prior to reports of Replace(2). STP will initially report Clearport trades using Replace(2).	<ul style="list-style-type: none"> • 0 - New • 1 - Cancel • 2 - Replace
856	TradeReportType	RptTyp	N	int	Indicates the purpose of the trade within the workflow and determines the action of the receiver of the trade.	101 - Notification
939	TradeStatus	TrdRptStat	N	int	Indicates the status of the trade in clearing.	0 - Accepted
568	TradeRequestID	ReqID	N	String	Request ID returns the same value sent on the Trade Capture Report Request.	
828	TradeType	TrdTyp	N	int	Specifies the type of trade reported by CME Clearing. Used to distinguish a significant difference in the regulatory or economic requirements surrounding the trade.	<ul style="list-style-type: none"> • 0 - Regular Trade • 1 - Block Trade • 2 - EFP (Exchange for physical) • 3 - Transfer • 11 - Exchange for Risk (EFR) • 22 - Over the Counter Privately Negotiated Trades (OPNT) • 23 - Substitution of Futures for Forwards • 45 - Option exercise • 54 - OTC / Large Notional Off Facility Swap • 55 - Exchange Basis Facility (EBF) • 57 - Netted trade • 58 - Block swap trade • 59 - Credit event trade • 60 - Succession event trade

829	TradeSubType	TrdSubTyp	N	int	Represents the CME Trade Type Subset, TAS Flag & the APS Offset and Onset Flag.	<ul style="list-style-type: none"> • 7 - Differential spread • 8 - Implied spread leg executed against an outright • 36 - Converted SWAP (Aged Deal) • 37 - Crossed Trade (X) • 40 - TAS - Traded at settlement • 42 - Auction Trade • 43 - TAM - Traded at marker • 48 - Multilateral Compression • 200 - Delivery Transfer
10021	Offset Instruction	OfstInst	N	int	Indicates offset or onset due to allocation.	<ul style="list-style-type: none"> • 0 - Offset • 1 - Onset

830	Transfer Reason	TransferReason	N	String	Reason why the trade is being transferred	<p>A - Exchange approved transfers between accounts with different beneficial ownership</p> <p>B - For correcting Rule 527 mis-clears</p> <p>C - Transfer between accounts in which the underlying beneficial ownership is identical</p> <p>E - Transfer to correct an error in assignment of account (in-house) or customer/house origin error or firm-to-firm clerical error in clearing a trade</p> <p>J - For rule 770 transfers</p> <p>M - Transfer for portfolio margining purposes</p> <p>N - Transfer of positions to a newly approved clearing firm</p> <p>O - Option Compression</p> <p>P - Fungible Transfers and Delivery Transfers (system generated, cannot be submitted by firms)</p> <p>T - Transfer due to the merger of two or more clearing firms</p> <p>V - Auto-transfer Offset (system generated, cannot be submitted by firms)</p> <p>W - Transfer due to withdrawal of a clearing firm</p> <p>X - For transferring new or offsetting Singapore Exchange executed positions between local firms</p> <p>Y - Cross Exchange</p>
880	TrdMatchID	MtchID	N	String	Trade Match ID is assigned by the matching engine or clearing system and used to correlate a cleared trade with a match event. Should be common for all trade sides included in a match event. For CME ClearPort, this represents the deal number and always links strategies. For CME Globex and Floor, this links calendar spreads only. Will not be present for IRS/FRA trades.	
17	ExecID	ExecID	N	String	Exchange assigned execution ID (trade identifier). ExecID will be present for on-exchange trades and blocks, including Invoice Swap Spreads. ExecID will not be present for off-exchange IRS /FRA trades.	
527	SecondaryExecID	ExecID2	N	String	This is used to communicate the execution ID of the originating platform, e.g. the ClearPort execution ID.	
10035	BlockID	BlckID	N	String	Contains the platform-assigned block ID for the trade.	

423	Price Type	PxTyp	N	int	Indicates the type of the price associated with the trade. Will not be present for IRS/FRA trades.	<ul style="list-style-type: none"> 1 - Percentage (i.e. percent of par) 2 - Per unit (i.e. per share or contract) 10 - Fixed cabinet trade price (primarily for listed futures and options) 11 - Variable cabinet trade price (primarily for listed futures and options) 100 - Tentative placeholder price 101 - Updated actual price 102 - Derived price block
1430	VenueType	VenuTyp	N	char	Identifies the type of venue where a trade was executed.	<ul style="list-style-type: none"> C - Clearing house E - Electronic O - Off facility swap P - Pit R - Registered Market (SEF) X - Ex-Pit
854	QuantityType	QtyTyp	N	int	Indicates the type of quantity being represented in the Last Quantity. The quantity type defaults to what is specified in the contract specifications.	<ul style="list-style-type: none"> '0' (Notional /Units) '1' (Contracts (Default - should specify ContractMultiplier (tag 231)))
32	TradeQuantity	LastQty	Y	Qty	The quantity of the trade.	
31	TradePrice	LastPx	Y	Price	The price of the trade. Will not be present for IRS/FRA /SWAPTION trades.	
1056	Calculation Currency Last Quantity	CalcCcyLast Qty	N	Qty	Used in calculating the quantity of the other side of the currency trade.	
75	TradeDate	TrdDt	Y	LocalMktDate	The trade date assigned to an execution on the trading platform.	
715	ClearingBusinessDate	BizDt	N	LocalMktDate	The date on which a trade is formally cleared and settled.	
6	AveragePrice	AvgPx	N	Price	Calculated average price. Will be populated for Average Price System (APS) transactions only.	
442	MultiLegReportingType	MLegRptTyp	Y	char	Indicates if a trade is being reported as a single-leg outright, the leg of a spread, or a multi-leg trade report.	<ul style="list-style-type: none"> 1 - Single security (default if not specified) 2 - Individual leg of a multi-leg security 3 - Multi-leg security
60	TransactTime	TxnTm	N	UTCTimestamp	The time of the transaction, e.g. the date and time of a trade, allocation, etc. Will not be present for IRS/FRA trades. Format YYYYMMDD-HH:MM:SS.sTZD (UTC time zone) Example: 20200520-01:14:39.12600000Z	
2405	ExecutionMethod	ExecMeth	N	int	Specifies the transaction was executed manually via Confirm Hub.	1 - Manual Hub.


779	LastUpdateTime	LastUpdateTm	N	UTCTimest amp	Used to indicate the date and time that internal transaction processing of the trade or allocation completed. Should occur on or after the Transaction Time. Format YYYYMMDD-HH:MM:SS.sTZD (UTC time zone) Example: 20200520-01:14:39.12600000Z	
1832	Cleared Indicator	Clrd	N	int	Indicates whether the position or trade being reported was cleared through a clearing organization.	<ul style="list-style-type: none"> 0 - Not cleared 1 - Cleared
1924	Clearing Intention	ClrIntn	N	int	Indicates whether or not the parties intend the trade to clear.	<ul style="list-style-type: none"> 0 - Do not intend to clear 1 - Intend to clear
1932	Clearing Requirement Exception	ClrReqmtEx cptn	N	int	Specifies whether a party to a swap is using the clearing requirement exception pursuant to CEA Section 2(h)(7) and Commission regulations.	<ul style="list-style-type: none"> 0 - No exception 1 - Exception
1936	Collateralization	TrdCollztn	N	int	Indication of trade collateralization.	<ul style="list-style-type: none"> 0 - Uncollateralized 1 - Partially collateralized 2 - One-way collateralized 3 - Fully collateralized
10033	DifferentialPrice	DiffPx	N	float	Represents the differential price for spreads, or a TAS or TAM differential price. Note: Not supported for CPC-entered Calendar Spreads	
10024	DifferentialPriceType	DiffPxTyp	N	int	This indicates the type of differential price represented in the Differential Price attribute. Note: Not supported for CPC-entered Calendar Spreads	<ul style="list-style-type: none"> 0 - Differential from Settlement Price 1 - Differential between legs
997	OriginalTimeUnit	OrigTmUnit	N	String	Specifies the Time Unit of the original trade, e.g. whether it was entered as contracts per day or per month. Note that all trades are normalized to default units in STP, regardless of the units originally used to enter the trade.	<ul style="list-style-type: none"> D - Day H - Hour Min - Minute Mo - Month S - Second Wk - Week Yr - Year
10037	TradingQuantity	TrdgQty	N	Qty	Quantity per Original Time Unit as submitted on a CME ClearPort API trade report when a product has multiple time units, or, Product Variable Quantity Unit (VQU) is not 'S' (standard), and the product subtype (Monthly, daily, weekly) is not equal to the time unit entered for the trade.	
10047	ConfirmHubTradeType	CHTrdTyp	N	String	Custom field to represent specific Confirm Hub Trade Types	
37711	Market Data Trade Entry ID	MDTrdEntrlD	N	String	Unique Trade Identifier that will match to a CME Globex order execution, associated market data message and STP messaging.	
1832	Cleared Indicator	Clrd	N	int	Indicates whether the position or trade being reported was cleared through a clearing organization. Note: only sent for Bilateral and Cleared Elsewhere (BaCE) trades.	<ul style="list-style-type: none"> 0 - Not cleared 1 - Cleared
830	Transfer Reason	TransferReason	N	String	The reason a trade is being transferred.	
1329	Fee Multiplier	FeeMult	N	Float	Multiplier that Clearing (Fee system) will use to calculate fees and will be sent to the firms on their confirms.	
99400	Clearing Transformation Type	ClrTransTyp	N	int	Indicates the type of Clearing Transformation that generated this Trade.	<ul style="list-style-type: none"> 1- Exercise 2-Assignment 3-General Transformation 4-Delivery Transformation 5-Fungible
719	Contrary Instruction Indicator	ContraryInstrctnInd	N	Boolean	Used to indicate when a contrary instruction for exercise or abandonment is being submitted	<ul style="list-style-type: none"> Y-YES N-NO
99401	Option Exercise Time Frame	OptExerTmFm	N	int	For Exercise/Assignment Transformation, this indicates whether or not the resulting Future was the result of an Early Exercise Instruction (Prior to Settlement Date)	<ul style="list-style-type: none"> 1-Early 2-Expiration

RootParties (repeating)		Pty				
1116	NoRootPartyIDs		N	NumInGroup	Number of entries in block.	
1117	Root Party ID	ID	N	String	Used to identify the Party.	
1118	Root Party ID Source	Src	N	char	Used to identify the source of the Party.	N - LEI
1119	Root Party Role	R	N	int	Indicates the type or role of the Party.	73 - Execution Venue
Instrument		Instrmt				
PaymentGrp (repeating)		Pmt				
40212	NoPayments		N	NumInGroup		
40213	PaymentType	Typ	N	int	Type of payment.	10 - Option Premium
40214	Payment Pay Side	PaySide	N	int	Side value of party paying the payment.	<ul style="list-style-type: none"> 1 - Buy 2 - Sell
40215	Payment Receive Side	RcvSide	N	int	Side value of party receiving the payment.	<ul style="list-style-type: none"> 1 - Buy 2 - Sell
40216	Payment Currency	Ccy	N	Currency	Specifies the currency in which PaymentAmount(tbd) and/or PaymentRate(tbd) is denominated. Uses ISO 4271 currency codes.	
40217	Payment Amount	Amt	N	Amt	The total payment amount.	
40222	Payment Date Adjusted	Dt	N	LocalMkDate	The adjusted payment date.	
UndInstrmtGrp (repeating)		Undly				
PositionAmountData (repeating)		Amt				
753	NoPosAmt		N			
707	Amount Type	Typ	N	String	The type of the position amount represented.	<ul style="list-style-type: none"> CRES - Cash Residual Amount ICPN - Initial Trade Coupon Amount IPMT - Upfront Payment PREM - Premium Amount TVAR - Trade Variation Amount
708	Amount	Amt	N	Amt	The position amount represented.	
1055	Amount Currency	Ccy	N	String	The currency associated with the position amount represented.	
TrdInstrmtLegGrp (repeating)		TrdLeg				
TrdCapRptSideGrp (repeating)		RptSide				
Standard Message Trailer						

• CME STP FIX - TradeCaptureReport - TrdCapRptSideGrp —

Tag	Name	FIXML Abbr	Req	Format	Description	Enumerations
552	NoSides		Y	NumInGroup	Number of Side (54) repeating group instances.	
54	Buy Sell Code	Side	Y	char	The side of the trade.	<ul style="list-style-type: none"> 1 - Buy 2 - Sell
526	Secondary Client Order ID	ClOrdID2	N	String	A secondary or an additional qualifier for the order assigned by the side.	
11	Client Order ID	ClOrdID	N	String	Unique identifier assigned for the trade side.	
1154	Side Currency	Ccy	N	Currency	Used to identify the currency of the trade side. Will not be present for IRS /FRA trades.	
578	Input Source	InptSrc	N	String	The original system from which the trade originated. CME Clearing will treat this as a pass through field on cleared trade confirmations.	

582	CTI	CustCpcty	N	int	The customer capacity for this trade	<ul style="list-style-type: none"> 1 - Member trading for their own account 2 - Clearing Firm trading for its proprietary account 3 - Member trading for another member 4 - All other
58	Free Form Text	Txt	N	String	May be used by the executing market to record any execution Details that are particular to that market	
826	Allocation Indicator	AllocInd	N	int	Identifies if the trade is marked for allocation.	<ul style="list-style-type: none"> 0 - Allocation not required 1 - Allocation required (give-up trade) allocation information not provided (incomplete) 2 - Use allocation provided with the trade 3 - Allocation give-up executor 4 - Allocation from executor 5 - Allocation to claim account 100 - SGX Offset
1853	Average Pricing Indicator	AvgPxInd	N	int	Indicates if the trade is marked for average pricing allocation.	<ul style="list-style-type: none"> 0 - No Average Pricing 1 - Trade is part of an average price group identified by the SideAvgPxGroup ID
1057	AggressorIndicator	AgrsrInd	N	Boolean	Used to identify whether the order initiator is an aggressor or not in the trade.	<ul style="list-style-type: none"> Y = Order initiator is aggressive N = Order initiator is passive
10039	Original Platform Side ID	OrigTrdID	N	String	Ties the trade back to one of the report sides of the IRS trade submission. (IRS Trades Only)	
1851	Strategy Link ID	StrategyLinkID	N	String	Unique ID linking all individual legs of a spread or strategy together. It can also link individual legs to the parent multi-leg trade.	
793	Secondary Allocation Group ID	GrpID2	N	String	Indicates the clearing assigned identifier used for the allocation group. This links trades marked for allocation that are part of the same group, as well as offset trades once allocations from that group are claimed.	
37	OrderID	OrdId	N	String	Unique identifier for Order as assigned by sell-side (broker, exchange, ECN). Uniqueness must be guaranteed within a single trading day. Firms which accept multi-day orders should consider embedding a date within the OrderID field to assure uniqueness across days.	
1031	Customer Order Handling Instruction	CustOrderHandlingInst	N	String	Defines source of original order.	
2361	Compression Group ID	CompressionGroupID	N	String	Use to identify a netting or compression group where trades in the group were netted or compressed. This includes both terminating trades and any remnant trades that result from the operation.	
5149	Memo Field	Memo	N	String	Free format text field. Supported as follows, depending on source: <ul style="list-style-type: none"> CME Globex: Supported for all Globex-entered trades. CME Direct: Supports the Memo field value for the non-alleged counterparty when there is an allege and a claim. If both sides allege, then the Memo field is supported on both sides. CME ClearPort GUI: Supports the Memo field value for the non-alleged counterparty. CME ClearPort API: <ul style="list-style-type: none"> For single-sided submissions, supports the Memo field value for the non-alleged counterparty when there is an allege and a claim. If both sides allege, then the Memo field is supported on both sides. For dual-sided submissions, the Memo field supported on either or both sides, depending on the API submission. A note can be submitted for buy side and the sell side, and they can be different notes. 	
Parties (repeating)		Pty				
453	NoPartyIDs		N	NuminGroup	Number of entries in block.	
448	Party ID	ID	N	String	Party identifier/code. If a party role grouping does not contain an ID, or contains an ID that is blank, the block will not be output in the FIX messages.	

447	Party ID Source	Src	N	char	Used to identify the source of PartyID value.	<ul style="list-style-type: none"> C - Generally accepted market participant identifier H - Clearing house participant /member code N - LEI
452	Party Role	R	N	int	<p>Indicates the type or role of the Party.</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;">  A FIX "Executing Firm" is a CME Group "Clearing Trade Management Firm." </div>	<ul style="list-style-type: none"> 1 - Executing Firm (CME Globex) 4 - Clearing Firm 7 - Trading (Entering) Firm 12 - Executing Trader (associated with Executing Firm - actually executes) 21 - Clearing Organization 22 - Exchange 24 - Customer Account 30 - Inter Dealer Broker 36 - Entering trader 44 - Order Entry Operator ID 49 - Asset Manager 55 - Session ID 62 - Report originator 73 - Execution Venue 102 - Data Repository (e.g. SDR) 1001 - Trading Member Firm
PtysSubGrp (repeating)		Sub				
802	NoPartySubIDs		N	NumInGroup	Repeating group of Party sub-identifiers.	
523	Party Qualifier ID	ID	N	String	A Sub ID provides additional information about the Party. For example, the account origin would be specified when Typ = 26.	
803	Party Qualifier Type	Typ	N	int	Indicates the type of Party Sub ID.	<ul style="list-style-type: none"> 5 - Full legal name of firm 9 - Contact name 26 - Account type or Origin
SideRegulatoryTradeIDGrp (repeating)		RegTrdID				
CommissionDataGrp		CommData				
SideTrdRegTS (repeating)		TrdRegTS				
1016	NoSideTrdRegTS		N	NumInGroup	Number of NoSideTrdRegTS group entries.	
1012	Timestamp	TS	N	UTCTimestamp	<p>Used to send a regulatory timestamp. Will not be present for IRS/FRA trades.</p> <p>Used to send a regulatory timestamp. Will not be present for IRS/FRA trades.</p> <ul style="list-style-type: none"> Timestamp will be sent in UTC+0 format. Timestamp will be in nanosecond format; will be populated with the maximum available precision and padded with zeros to 9 digits after the decimal point as needed. <p>Example:</p> <p>20190925-09:08:06.017123456</p>	
1013	Timestamp Type	Typ	N	int	Indicates the type of regulatory timestamp.	1 - Execution Time
RelatedTradeGrp (Repeating)		ReltdTr				
1855	NoRelatedTrades		N	NumInGroup	Number of NoRelatedTrades group entries.	
1856	Related Trade ID	ID	N	String	Identifier of a related trade. This is used to link trades together for IRS netting and blending.	

1857	Related Trade ID Source	src	N	int	Describes the source of the identifier that Related Trade ID represents.	2 - Secondary trade ID
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