FINANCIAL INFORMATION EXCHANGE PROTOCOL (FIX)

Version 4.3 with Errata 20020920

VOLUME 5 – FIX APPLICATION MESSAGES: POST-TRADE

Includes Errata adjustments as of September 20, 2002

Errata Purpose:

This document includes a list of minor adjustments to the FIX 4.3 Specification document due to typographical errors or ambiguities. The nature and scope of Errata adjustments do not introduce new functionality, additional fields, new values for existing fields, or new messages. **Regretably some functionality was introduced in FIX 4.3 which contained errors that required a new value or field on a specific message in order to make the intended functionality implementable. Any such exceptions to the "do not introduce" "additional fields" or "new messages" Errata rule were kept to an absolute minimum using the "required to make the intended functionality implementable" rationale.** All of the items specified in this document will be incorporated in the next release of the FIX Protocol. The list of items has been reviewed and approved by the FIX Technical Committee and Steering Committees. Implementers of FIX version 4.3 should refer to this document to ensure the most consistent implementation and clearest understanding of the FIX protocol.

The specific adjustments made to the original FIX version 4.3 specification as a result of the Errata can be seen and printed via Microsoft Word's revision feature of this document. A separate document with an itemized list of changes is available via the FIX website.

~~August 24, 2001~~September 20, 2002

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FIX APPLICATION MESSAGES: POST-TRADE

Post-trade messaging is characterized as messages which are typically communicated after the placement and successful execution of an order and prior to settlement.

The specific FIX post-trade messaging categories are:

1. ALLOCATION
2. SETTLEMENT INSTRUCTIONS

Descriptions and formats of the specific FIX post-trade application messages follow.

CATEGORY: ALLOCATION AND READY-TO-BOOK

Allocation -

The Allocation message provides the ability to specify how an order or set of orders should be subdivided amongst **one or more** accounts. It can also be used as a confirmation message through which third parties can communicate execution and settlement details between trading partners. In addition, the allocation message can be sent by the broker to communicate fees and other details that can only be computed once the sub-account breakdowns are known. Note the response to the Allocation message is the AllocationACK message.

The Allocation message can also be sent by the buyside firm after execution to indicate to the sellside firm that one or a combined (aggregated) set of orders are "Ready-To-Book" without specifying individual account breakdowns. This can be used to trigger post-trade allocation, matching, and settlement processing via other channels (e.g. post-trade industry utilities).

Allocation is typically communicated **Post-Trade** (after fills have been received and processed). It can, however, also be communicated **Pre-Trade** (at the time the order is being placed) to specify the account(s) and their respective order quantities which make up the order. This is a regulatory requirement in certain markets and for certain types of securities.

An allocation message can be submitted with AllocTransType of new, cancel or replace. The AllocType field indicates the type or purpose of the message:

- Buyside Calculated (includes MiscFees and NetMoney)
- Buyside Preliminary (without MiscFees and NetMoney)
- Sellside Calculated Using Preliminary (includes MiscFees and NetMoney)
- Sellside Calculated Without Preliminary (sent unsolicited by sellside, includes MiscFees and NetMoney)
- Buyside Ready-To-Book - Single Order
- Buyside Ready-To-Book - Combined Set of Orders

General guidelines applicable to this message:

- AllocID should be unique for all Allocation messages with AllocTransType=New.
- When submitting replace or cancel AllocTransType messages or AllocType = "Sellside Calculated Using Preliminary", the RefAllocID field is required.
- Note that AllocTransType of Cancel or Replace and AllocStatus = rejected affects the entire Allocation message thus both the block level and each AllocAccount (cannot cancel, reject, or replace a single AllocAccount instance without affecting the entire Allocation messge).
- Replacement allocation messages (AllocTransType=Replace) must contain all data for the replacement allocation message.
- AllocType of "Sellside Calculated Using Preliminary" allocations should use RefAllocID to specify the AllocID from the "Buyside Preliminary".
- "Sellside Calculated Without Preliminary" is sent unsolicited from the sellside and does not require RefAllocID.

The allocation message contains repeating fields for each order, sub-account and individual execution. The repeating fields are shown below in typeface ***Bold-Italic*** and indented with the → symbol. The field's relative position in the message is important. For example, each instance of allocation must be in the order shown below.

- The total quantity allocated must equal the Quantity value which must equal the total executed quantity of the original order. If present, the total quantity in the execution section must also be equal to this value.
- The number of sub-account instances is indicated in NoAllocs.
- Multiple orders can be combined for allocation or for AllocType=" Buyside Ready-To-Book - Combined Set of Orders" by identifying the number of orders in the NoOrders field and each individual order in the OrderID fields. Combined orders must have the same ticker, trade date, settlement date and side.

Pre-Trade Allocation consists of the following steps:

- Buyside sends a New Order request message specifying one or more AllocAccount and AllocQty values within the repeating group designated by NoAllocs.
- Sellside sends Execution Report messages for the “New” and resulting fills.
- Post-Trade Allocation messaging takes place

Post-Trade Allocation can be computed via one of two methods:

1. Using Average Price: Each AllocAccount has a single AllocAvgPx
2. Using Executed Price: Combination of each AllocAccount **and** AllocPrice (unique LastPx) (e.g. Japan)

Post-Trade Allocation supports three different message flows (all use and end with AllocationACK messages):

1. Buyside initiated without Misc Fee and Net Money computation (AllocType="Buyside Preliminary" followed by sellside send with AllocType="Sellside Calculated Using Preliminary")
2. Buyside-initiated with Misc Fee and Net Money computation (AllocType="Buyside Calculated")
3. Sellside-initiated with Misc Fee and Net Money computatation sent unsolicited (AllocType=" Sellside Calculated Without Preliminary ")

Post-Trade "Ready-To-Book" communication supports two modes:

1. Buyside initiated indicating that a single order is now ready to begin the booking process (AllocType="Buyside Ready-To-Book - Single Order")
2. Buyside initiated indicating that a set of orders for the same security, side, settlement date, etc. is now ready to begin the booking process as a single aggregated unit (AllocType="Buyside Ready-To-Book - Combined Set of Orders")

Two party Step-outs and Directed Commission activity can be expressed as:

Entity	Expressed As
Executing Broker: (executes the trade)	NestedPartyRole = “Executing Firm”
Step-in Broker/Settlement Broker: (settles and receives	NestedPartyRole = “Broker of Credit)” AND

commission/credit)	NestedPartyRole = “Giveup Clearing Firm (firm to which a trade is given up)”

Three party Step-outs and Directed Commission activity can be expressed as:

Entity	Expressed As
Executing Broker: (executes the trade)	NestedPartyRole = “Executing Firm”
Broker of Credit (receives commission/credit)	NestedPartyRole = “Broker of Credit)”
Step-in Broker/Settlement Broker: (settles the trade)	NestedPartyRole = “Giveup Clearing Firm (firm to which a trade is given up)”

See "***Example Usage of Allocations and Ready-To-Book Mesesaging***" for more examples and details.

Allocation

Tag	*Field Name*	*Req'd*	*Comments*
	Standard Header	Y	MsgType = J
70	AllocID	Y	
71	AllocTransType	Y	i.e. New, Cancel, Replace
626	AllocType	Y	Specifies the purpose or type of Allocation message
72	RefAllocID	N	Required for AllocTransType = Replace or Cancel Required for AllocType = "Sellside Calculated Using Preliminary"
196	AllocLinkID	N	Can be used to link two different Allocation messages (each with unique AllocID) together, i.e. for F/X “Netting” or “Swaps”
197	AllocLinkType	N	Can be used to link two different Allocation messages and identifies the type of link. Required if AllocLinkID is specified.
466	BookingRefID	N	Can be used with AllocType="Buyside Ready-To-Book - Single Order" or "Buyside Ready-To-Book - Combined Set of Orders"
73	NoOrders	Y*	Indicates number of orders to be combined for allocation. If order(s) were manually delivered set to 1 (one). Not required for AllocTransType=Cancel
→	***11*** ***ClOrdID***	Y*	Order ID assigned by client if order(s) were electronically delivered and executed. If order(s) were manually delivered this field should contain string “MANUAL”. Not required for AllocTransType=Cancel
→	***37*** ***OrderID***	N	

→	***198***	***SecondaryOrderID***	N	Can be used to provide order id used by exchange or executing system.
→	***526***	***SecondaryClOrdID***		
→	***66***	***ListID***	N	Required for List Orders.
→	~~***105***~~	~~***WaveNo***~~	~~N~~	
124	NoExecs		N	Indicates number of individual execution repeating group entries to follow. Absence of this field indicates that no individual execution entries are included. Primarily used to support step-outs.
→	***32***	***LastQty***	N	Amount of quantity (e.g. number of shares) in individual execution. Required if NoExecs > 0
→	***17***	***ExecID***	N	
→	***527***	***SecondaryExecID***		
→	***31***	***LastPx***	N	Price of individual execution. Required if NoExecs > 0
→	***29***	***LastCapacity***	N	Can be specified by broker for AllocType="Sellside Calculated Without Preliminary" and "Sellside Calculated Using Preliminary"
54	Side		Y	
component block <Instrument>			Y	Insert here the set of "Instrument" (symbology) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
53	Quantity		Y	Total quantity (e.g. number of shares) allocated to all accounts, or that is Ready-To-Book
30	LastMkt		N	Market of the executions.
229	TradeOriginationDate		N	
336	TradingSessionID		N	
625	TradingSessionSubID		N	
423	PriceType		N	
6	AvgPx		Y	For F/X orders, should be the “all-in” rate (spot rate adjusted for forward points).
15	Currency		N	Currency of AvgPx. Should be the currency of the local market or exchange where the trade was conducted.
74	AvgPrxPrecision		N	Absence of this field indicates that default precision arranged by the broker/institution is to be used
component block <Parties>			N	Insert here the set of "Parties" (firm identification) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
75	TradeDate		Y	
60	TransactTime		N	Date/time when allocation is generated
63	SettlmntTyp		N	

64	FutSettDate		N	Takes precedence over SettlmntTyp value and conditionally required/omitted for specific SettlmntTyp values.
381	GrossTradeAmt		N	Expressed in same currency as AvgPx. Sum of (AllocQty * AllocAvgPx or AllocPrice).
238	Concession		N	
237	TotalTakedown		N	
118	NetMoney		N	Expressed in same currency as AvgPx. Sum of AllocNetMoney.
77	PositionEffect		N	
58	Text		N	
354	EncodedTextLen		N	Must be set if EncodedText field is specified and must immediately precede it.
355	EncodedText		N	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.
157	NumDaysInterest		N	Applicable for Convertible Bonds and fixed income
158	AccruedInterestRate		N	Applicable for Convertible Bonds and fixed income
540	TotalAccruedInterestAmt		N	Sum of AccruedInterestAmt within repeating group.
650	LegalConfirm		N	
78	NoAllocs		Y**	Indicates number of allocation groups to follow. Not required for AllocTransType=Cancel Not required for AllocType="Buyside Ready-To-Book - Single Order" or "Buyside Ready-To-Book - Combined Set of Orders".
→	***79***	***AllocAccount***	Y**	May be the same value as BrokerOfCredit if ProcessCode is step-out or soft-dollar step-out and Institution does not wish to disclose individual account breakdowns to the ExecBroker. Required if NoAllocs > 0. Must be first field in repeating group. Not required for AllocTransType=Cancel Not required for AllocType="Buyside Ready-To-Book - Single Order" or "Buyside Ready-To-Book - Combined Set of Orders".
→	***366***	***AllocPrice***	N	Used when performing “executed price” vs. “average price” allocations (e.g. Japan). AllocAccount plus AllocPrice form a unique Allocs entry. Used in lieu of AllocAvgPx.
→	***80***	***AllocQty***	Y**	Not required for AllocTransType=Cancel Not required for AllocType="Buyside Ready-To-Book - Single Order" or "Buyside Ready-To-Book - Combined Set of Orders".
→	***467***	***IndividualAllocID***	N	
→	***81***	***ProcessCode***	N	

→	***component block <NestedParties>***			N	Insert here the set of "Nested Parties" (firm identification "nested" within additional repeating group) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES" Used for NestedPartyRole=BrokerOfCredit, ExecBroker, ClientID, etc.
→	***208***	***NotifyBrokerOfCredit***		N	
→	***209***	***AllocHandlInst***		N	
→	***161***	***AllocText***		N	Free format text field related to this AllocAccount
→	***360***	***EncodedAllocTextLen***		N	Must be set if EncodedAllocText field is specified and must immediately precede it.
→	***361***	***EncodedAllocText***		N	Encoded (non-ASCII characters) representation of the AllocText field in the encoded format specified via the MessageEncoding field.
→	***component block <CommissionData>***			N	Insert here the set of "CommissionData" fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
→	***153***	***AllocAvgPx***		N	AvgPx for this AllocAccount. For F/X orders, should be the "all-in" rate (spot rate adjusted for forward points) for this allocation.
→	***154***	***AllocNetMoney***		N	NetMoney for this AllocAccount ((AllocQty * AllocAvgPx) - Commission - sum of MiscFeeAmt + AccruedInterestAmt) if a Sell ((AllocQty * AllocAvgPx) + Commission + sum of MiscFeeAmt + AccruedInterestAmt) if a Buy
→	***119***	***SettlCurrAmt***		N	AllocNetMoney in SettlCurrency for this AllocAccount if SettlCurrency is different from "overall" Currency
→	***120***	***SettlCurrency***		N	SettlCurrency for this AllocAccount if different from "overall" Currency. Required if SettlCurrAmt is specified.
→	***155***	***SettlCurrFxRate***		N	Foreign exchange rate used to compute SettlCurrAmt from Currency to SettlCurrency
→	***156***	***SettlCurrFxRateCalc***		N	Specifies whether the SettlCurrFxRate should be multiplied or divided
→	***159***	***AccruedInterestAmt***		N	Applicable for Convertible Bonds and fixed income
→	***160***	***SettlInstMode***		N	Type of Settlement Instructions which will be provided via Settlement Instructions message (0=Default, 1=Standing Instructions, 2=Specific Allocation Account Overriding, 3=Specific Allocation Account Standing, 4= Specific Order)
→	***136***	***NoMiscFees***		N	Required if any miscellaneous fees are reported. Indicates number of repeating entries. Repeating group within Alloc repeating group. **** Nested Repeating Group follows ****
→	→	***137***	***MiscFeeAmt***	N	Required if NoMiscFees > 0

→	→	***138***	***MiscFeeCurr***	N	Required if NoMiscFees > 0
→	→	***139***	***MiscFeeType***	N	Required if NoMiscFees > 0
	Standard Trailer			Y	

Note: Req'd = "Y*" indicates that the field is not required for AllocTransType=Cancel

Note: Req'd = "Y**" indicates that the field is not required for AllocTransType=Cancel, nor is it required for AllocType="Buyside Ready-To-Book - Single Order" or "Buyside Ready-To-Book - Combined Set of Orders".

FIXML Definition for this message – see http://www.fixprotocol.org for details

```
<!ENTITY % AllocationCustom "">

<!ENTITY % AllocationContent "AllocID,AllocTransType, AllocLinkID?,AllocLinkType?,BookingRefID?,
AllocOrderList,AllocExecList?,Side,Instrument,Quantity,LastMkt?,TradeOriginationDate?,TradingSessionID?,Tradi
ngSessionSubID?,PriceType?,AvgPx,Currency?,AvgPrxPrecision?,PartiesList?,TradeDate,
TransactTime?,Settlement?,GrossTradeAmt?,Concession?,TotalTakedown?,NetMoney?,PositionEffect?,Text?,Enco
dedTextGroup?,NumDaysInterest?,AccruedInterestRate?,TotalAccruedInterestAmt?,LegalConfirm?, AllocList
%AllocationCustom;" >

<!ELEMENT Allocation (%AllocationContent;)>

<!ATTLIST Allocation FIXTag   CDATA  #FIXED '35'

  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'J' >
```

Allocation ACK -

The Allocation ACK message is used to acknowledge the receipt and status of an Allocation message.

It is possible that multiple Allocation ACK messages can be generated for a single allocation to detail the receipt and then the acceptance or rejection of the Allocation message.

Allocation ACK

Tag	*Field Name*	*Req'd*	*Comments*
	Standard Header	Y	MsgType = P
component block <Parties>		N	Insert here the set of "Parties" (firm identification) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
70	AllocID	Y	
75	TradeDate	Y	
60	TransactTime	N	Date/Time AllocationACK generated
87	AllocStatus	Y	
88	AllocRejCode	N	Required for AllocStatus = 1 (rejected)
58	Text	N	Can include explanation for AllocRejCode = 7 (other)
354	EncodedTextLen	N	Must be set if EncodedText field is specified and must immediately precede it.
355	EncodedText	N	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.
650	LegalConfirm	N	
	Standard Trailer	Y	

FIXML Definition for this message – see http://www.fixprotocol.org for details

```
<!ENTITY % AllocationACKCustom "">
<!ENTITY % AllocationACKContent "PartiesList?, AllocID,TradeDate,TransactTime?,AllocStatus,
                                 AllocRejCode?,Text?,EncodedTextGroup?,LegalConfirm? %AllocationACKCustom;" >
<!ELEMENT AllocationACK (%AllocationACKContent;)>
<!ATTLIST AllocationACK FIXTag   CDATA  #FIXED '35'
  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'P' >
```

Example Usage of Allocations and Ready-To-Book Messaging

The Allocation message provides the the ability to specify how an order or set of orders should be subdivided amongst **one or more** accounts.

Allocation is typically communicated **Post-Trade** (after fills have been received and processed). It can, however, also be communicated **Pre-Trade** (at the time the order is being placed) to specify the account(s) and their respective order quantities which make up the order. This is a regulatory requirement in certain markets and for certain types of securities.

The Allocation message can also be sent by the buyside firm after execution to indicate to the sellside firm that one or a combined (aggregated) set of orders are "Ready-To-Book" without specifying individual account breakdowns. This can be used to trigger post-trade allocation, matching, and settlement processing via other channels (e.g. post-trade industry utilities). See "Ready-To-Book Processing" subsection below.

Ready-To-Book Processing:

The Ready-To-Book capability of the Allocation message is designed to provide a clean interface between the "trading" and "booking" spaces. This allows buyside firms to both trigger and provide suitable references which can be passed down to assist in the matching process within industry utilities (e.g. GSTPA, OMGEO, etc). Bookable units can be single fills, single orders, or groups of orders for the same security, side, settlement date, etc. Automated booking instructions can be communicated either pre-trade or post-trade.

Booking instructions can be communicated **Pre-Trade** (at the time the order is being placed) to convey that as soon as the order is filled it can be considered by the acceptor as ready for booking (e.g. in particular when there is no additional quantity behind). This can be accomplished by specifying DayBookingInst="auto" on the new order message. In addition BookingUnit and PreallocMethod can be used to fine tune the automated booking procedure to be taken.

Booking instructions can also be communicated **Post-Trade** (after fills have been received and processed) to signal that a particular order is now ready for booking or to signal that a set of orders for the same security, side, settlement date, etc. are to be aggregated as single booking unit which is now ready for booking.

- Buyside sends a New Order request message
- Sellside sends Execution Report messages for the “New” and resulting fills.
- Sellside sends Execution Report messages with OrdStatus = “Filled" or "Done For Day".
- Buyside sends Allocation message with AllocType="Ready-To-Book - Single Order" (or "Ready-To-Book - Combined Set of Orders")
    - The order id information from the order and execution report processing is referenced within NoOrders repeating group
    - Note that the NoAllocs repeating group (group of AllocAccount) is not required for Ready-To-Book

    Example flow for AllocType="Ready-To-Book - Single Order" post-trade processing is as follows:

→	New Order-Single (OrderQty=35000, ClOrdID=123)
←	Execution Report (ExecType = “0” [New]) (ClOrdID=123, OrderID=ABC)

Institution			Broker
	←	Execution Report (ExecType = “F”) [Trade] (ClOrdID=123, OrderID=ABC) (optional Execution Report (ExecType = “3”) [Done for day] (ClOrdID=123, OrderID=ABC)	
(receive either OrdStatus ="Filled" or "Done For Day") and buyside ready for sellside to initiate booking	→	Allocation (AllocType="Ready-To-Book - Single Order", NoOrders=1, OrderID=ABC, ClOrdID=123)	
	Post-Trade Matching and Allocation Processing occurs (e.g. via an industry utility)		

Example flow for AllocType="Ready-To-Book - Combined Set of Orders" post-trade processing is as follows:

	→	New Order-Single (OrderQty=35000, ClOrdID=123, Symbol=IBM, Side=1)	
	←	Execution Report (ExecType = “0” [New]) (ClOrdID=123, OrderID=ABC)	
	←	Execution Report (ExecType = “F”) [Trade] (ClOrdID=123, OrderID=ABC) (optional Execution Report (ExecType = “3”) [Done for day] (ClOrdID=123, OrderID=ABC)	
	→	New Order-Single (OrderQty=2000, ClOrdID=456, Symbol=IBM, Side=1)	
	←	Execution Report (ExecType = “0” [New]) (ClOrdID=456, OrderID=DEF)	
Institution			Broker
	←	Execution Report (ExecType = “F”) [Trade] (ClOrdID=456, OrderID=DEF) (optional Execution Report (ExecType = “3”) [Done for day] (ClOrdID=456, OrderID=DEF)	
(receive either OrdStatus ="Filled"	→	Allocation (AllocType="Ready-To-Book - Combined Set of Orders", NoOrders=2, OrderID=ABC, ClOrdID=123, OrderID=DEF, ClOrdID=456)	

or "Done For Day") for all orders to be combined and buyside ready for sellside to initiate booking			
	Post-Trade Matching and Allocation Processing occurs (e.g. via an industry utility)		

Orders involving Pre-Trade Allocation consist of the following steps:

- Buyside sends a New Order request message specifying one or more AllocAccount and AllocQty values within the repeating group designated by NoAllocs.
  - Note that the buyside may specify DayBookingInst, BookingUnit, and PreallocMethod fields which are related to pre-trade allocation
- Sellside sends Execution Report messages for the "New" and resulting fills.
- Post-Trade allocation processing either using FIX Allocation messaging (documented below) or via mechanisms outside of FIX takes place

The typical flow for Pre-Trade allocation is as follows:

Institution	→	New Order-Single (OrderQty=35000, NoAllocs=2, AllocAccount=ACCT1, AllocQty=10000, AllocAccount=ACCT2, AllocQty=25000)	Broker
	←	Execution Report (ExecType = "0" [New]	
	←	Execution Report (ExecType = "F") [Trade] (optional Execution Report (ExecType = "3") [Done for day]	
	Post-Trade Allocation Processing (see examples below)		

Post-Trade Allocation can be computed via one of two methods:

1. **Using Average Price:** Each AllocAccount has a single AllocAvgPx (e.g. US and European) (see examples 1-1, 2-1, 3-1)

2. **Using Executed Price:** Combination of each AllocAccount **and** AllocPrice (unique LastPx) (e.g. Japan) (see examples 1-2, 2-2, 3-2)

Post-Trade Allocation supports three different message flows:

1. **Buyside initiated without Misc Fees or with buyside-computed Misc Fees and NetMoney (see examples 1-1 and 1-2)**

The typical flow for US domestic trading (without MiscFees) is as follows:

Institution	→	Allocation (AllocType="Buyside Calculated")	Broker
	←	AllocationACK (AllocStatus=Received Not Yet Processed)	
	←	AllocationACK (AllocStatus=Accepted or Rejected)	
	→	Settlement Instructions (optional) (SettlInstSource=Institution's)	
	←	Settlement Instructions (optional) (SettlInstSource=Broker's)	

*Settlement Instructions may occur anywhere in the flow and may represent standing instructions.

2. **Buyside-initiated with Misc Fee computation by the sellside firm (see examples 2-1 and 2-2)**

The typical flow for international trading (with MiscFees computed by the sellside) is as follows:

Institution	→	Allocation (AllocType="Buyside Preliminary", AllocAccounts provided without MiscFees or NetMoney)	Broker
	←	AllocationACK (AllocStatus=Received Not Yet Processed)	
	←	Allocation (AllocType="Sellside Calculated Using Preliminary", MiscFees and NetMoney provided by AllocAccount)	
	→	AllocationACK (AllocStatus=Received Not Yet Processed)	
	→	AllocationACK (AllocStatus=Accepted or Rejected)	
	→	Settlement Instructions (optional*) (SettlInstSource=Institution's)	
	←	Settlement Instructions (optional*) (SettlInstSource=Broker's)	

*Settlement Instructions may occur anywhere in the flow and may represent standing instructions.

3. **Sellside-initiated (see examples 3-1 and 3-2)**

The typical flow for sellside-initiated (unsolicited by the buyside) is as follows:

Institution	←	Allocation (AllocType="Sellside Calculated Without Preliminary", MiscFees and NetMoney provided by AllocAccount)	Broker
	→	AllocationACK (AllocStatus=Received Not Yet Processed)	
	→	AllocationACK (AllocStatus=Accepted or Rejected)	
	→	Settlement Instructions (optional*) (SettlInstSource=Institution's)	
	←	Settlement Instructions (optional*) (SettlInstSource=Broker's)	

*Settlement Instructions may occur anywhere in the flow and may represent standing instructions.

Example 1-1: Buyside-initiated flow without requiring MiscFee computation by the sellside, using Average Price (all AllocAccounts with same AvgPx)

BUYSIDE			SELLSIDE
	→	New Order-Single	
	←	Execution Report (ExecType = "0" [New]	
	←	Execution Report (ExecType = "F") [Trade] (optional Execution Report (ExecType = "3") [Done for day]	
Allocate			
	→	Allocation (AllocType="Buyside Calculated")	
	←	AllocationACK (AllocStatus=Received Not Yet Processed)	
	←	AllocationACK (AllocStatus=Accepted or Rejected)	

Symbol	B/S	Mkt	**Order Message**			**Execution Rpt Messages**		
			Account	OrdID	ClOrdID	ExecID	LastPx	LastQty
IBM	Buy	N		520	20	300	100.00	3000
						301	100.25	1000
						302	100.00	3000
						303	100.50	2000

Allocation Msg ↓

Symbol	B/S	Mkt	Order section			***AvgPx***	Repeating fields				Repeating fields	
			ID	OrdID	ClOrdID		ExecID	LastPx	LastQty	***AllocAccount***	AllocQty	Commission
IBM	Buy	N	999	520	20	***100.1389***	300	100.00	3000	***F1***	3000	150
							301	100.25	1000	***F2***	3000	150
							302	100.00	3000	***F3***	3000	150
							303	100.50	2000			

Example 1-2: Buyside-initiated flow without requiring MiscFee computation by the sellside, using Executed Price

BUYSIDE			SELLSIDE
	→	New Order-Single	
	←	Execution Report (ExecType = "0" [New]	
	←	Execution Report (ExecType = "F") [Trade] (optional Execution Report (ExecType = "3") [Done for day]	
Allocate			
	→	Allocation (AllocType="Buyside Calculated")	
	←	AllocationACK (AllocStatus=Received Not Yet Processed)	
	←	AllocationACK (AllocStatus=Accepted or Rejected)	

Symbol	B/S	Mkt	**Order Message**			**Execution Rpt Messages**		
			Account	OrdID	ClOrdID	ExecID	LastPx	LastQty
IBM	Buy	N		520	20	300	100.00	3000
						301	100.25	1000
						302	100.00	3000
						303	100.50	2000

Allocation Msg

↓

Symbol	B/S	Mkt	Order section			Repeating fields			Repeating fields			
			ID	OrdID	ClOrdID	ExecID	***LastPx***	LastQty	***AllocAccount***	***AllocPrice***	AllocQty	Commission
IBM	Buy	N	999	520	20	300	**100.00**	3000	***F1***	***100.00***	2000	100
						301	**100.25**	1000	***F1***	***100.25***	1000	50
						302	**100.00**	3000	***F2***	***100.00***	2000	100
						303	**100.50**	2000	***F2***	***100.50***	1000	50
									F3	***100.00***	2000	100
									F3	***100.50***	1000	50

Example 2-1: Buyside-initiated flow with MiscFee computation by sellside, using Average Price (all AllocAccounts with same AvgPx)

BUYSIDE			SELLSIDE
	→	New Order-Single	
	←	Execution Report (ExecType = "0" [New]	
	←	Execution Report (ExecType = "F") [Trade] (optional Execution Report (ExecType = "3") [Done for day]	
Allocate			
	→	Allocation (AllocType="Buyside Preliminary", AllocAccounts provided without MiscFees or NetMoney)	
	←	AllocationACK (AllocStatus=Received Not Yet Processed)	
			Commission/ Fee Calc
	←	Allocation (AllocType="Sellside Calculated Using Preliminary", MiscFees and NetMoney provided by AllocAccount)	
	→	AllocationACK (AllocStatus=Received Not Yet Processed)	
	→	AllocationACK (AllocStatus=Accepted or Rejected)	

Symbol	B/S	Mkt	Order Message			Execution Rpt Messages		
			Account	OrdID	ClOrdID	ExecID	LastPx	LastQty
HNS.L	Buy	L		520	20	300	3.9809	100000
						301	3.9809	25000

↓

Allocation Msg

Symbol	B/S	Mkt	Order section			Repeating fields			Repeating fields				
			ID	OrdID	ClOrdID	ExecID	LastPx	LastQty	***AllocAccount***	AllocQty	Commission	Repeating fields (NoMiscFees=2)	
HNS.L	Buy	L	999	520	20	300	3.9809	100000				MiscFeeType	MiscFeeAmt
						301	3.9809	25000	***F1***	42200	335.988	5	830.9699
												6	.25
									F2	82800	652.937	5	1648.0926
												6	.25

Example 2-2: Buyside-initiated flow with MiscFee computation, using Executed Price

BUYSIDE			SELLSIDE
	→	New Order-Single	
	←	Execution Report (ExecType = "0" [New]	
	←	Execution Report (ExecType = "F") [Trade] (optional Execution Report (ExecType = "3") [Done for day]	
Allocate			
	→	Allocation (AllocType="Buyside Preliminary", AllocAccounts provided without MiscFees or NetMoney)	
	←	AllocationACK (AllocStatus=Received Not Yet Processed)	
			Commission/ Fee Calc
	←	Allocation (AllocType="Sellside Calculated Using Preliminary", MiscFees and NetMoney provided by AllocAccount)	
	→	AllocationACK (AllocStatus=Received Not Yet Processed)	
	→	AllocationACK (AllocStatus=Accepted or Rejected)	

Symbol	B/S	Mkt	Order Message			Execution Rpt Messages		
			Account	OrdID	ClOrdID	ExecID	LastPx	LastQty
1234	Buy	T		520	20	300	1300	3000
						301	1313	1000
						302	1300	3000
						303	1320	2000

↓

Allocation Msg

Symbol	B/S	Mkt	Order section			Repeating fields			Repeating fields					
			ID	OrdID	ClOrdID	ExecID	***LastPx***	LastQty	***AllocAccount***	***AllocPrice***	AllocQty	Commission	Repeating fields (NoMiscFees=1)	
1234	Buy	T	999	520	20	300	***1300***	3000					MiscFeeType	MiscFeeAmt
						301	***1313***	1000	***F1***	***1300***	2000	25061	9	1253
						302	***1300***	3000	***F1***	***1313***	1000	12656	9	632

303	***1320***	2000	***F2***	***1300***	2000	25058	9	1252
			F2	***1320***	1000	12722	9	636
			F3	***1300***	2000	25058	9	1252
			F3	***1320***	1000	12722	9	636

Note: This example's values are for a Japanese Domestic Trade, and for actual use, you need to set any other required fields.

Example 3-1: Sellside-initiated flow, single Account, using Average Price

BUYSIDE			SELLSIDE
	→	New Order-Single	
	←	Execution Report (ExecType = "0" [New]	
	←	Execution Report (ExecType = "F") [Trade] (optional Execution Report (ExecType = "3") [Done for day]	
Allocate			
			Commission/ Fee Calc
	←	Allocation (AllocType="Sellside Calculated Without Preliminary", MiscFees and NetMoney provided by AllocAccount)	
	→	AllocationACK (AllocStatus=Received Not Yet Processed)	
	→	AllocationACK (AllocStatus=Accepted or Rejected)	

Symbol	B/S	Mkt	**Order Message**			**Execution Rpt Messages**		
			Account	OrdID	ClOrdID	ExecID	LastPx	LastQty
IBM	Buy	N	***F1***	520	20	300	1300	3000
						301	1313	1000
						302	1300	3000
						303	1320	2000

Allocation Msg ↓

Symbol	B/S	Mkt	Order section			***AvgPx***	Repeating fields				Repeating fields	
			ID	OrdID	ClOrdID		ExecID	LastPx	LastQty	***AllocAccount***	AllocQty	Commission
IBM	Buy	N	999	520	20	***1305.889***	300	1300	3000	***F1***	9000	113277
							301	1313	1000			
							302	1300	3000			
							303	1320	2000			

Example 3-2: Sellside-initiated flow, single Account, using Executed Price

BUYSIDE			SELLSIDE
	→	New Order-Single	
	←	Execution Report (ExecType = “0” [New]	
	←	Execution Report (ExecType = “F”) [Trade] (optional Execution Report (ExecType = “3”) [Done for day]	
Allocate			
			Commission/ Fee Calc
	←	Allocation (AllocType="Sellside Calculated Without Preliminary", MiscFees and NetMoney provided by AllocAccount)	
	→	AllocationACK (AllocStatus=Received Not Yet Processed)	
	→	AllocationACK (AllocStatus=Accepted or Rejected)	

Symbol	B/S	Mkt	Order Message			Execution Rpt Messages		
			Account	OrdID	ClOrdID	ExecID	LastPx	LastQty
1234	Buy	T	***F1***	520	20	300	1300	3000
						301	1313	1000
						302	1300	3000
						303	1320	2000

Allocation Msg ↓

Symbol	B/S	Mkt	Order section			Repeating fields			Repeating fields					
			ID	OrdID	ClOrdID	ExecID	***LastPx***	LastQty	***AllocAccount***	***AllocPrice***	AllocQty	Commission	Repeating fields (NoMiscFees=1)	
1234	Buy	T	999	520	20	300	***1300***	3000					MiscFeeType	MiscFeeAmt
						301	***1313***	1000	***F1***	***1300***	6000	61441	9	3072
						302	***1300***	3000	***F1***	***1313***	1000	10342	9	517
						303	***1320***	2000	***F1***	***1320***	2000	20796	9	1039

Note: This example’s values are for a Japanese Domestic Trade, and for actual use, you need to set any other required fields.

CATEGORY: SETTLEMENT INSTRUCTIONS

Settlement Instructions -

The Settlement Instructions message provides the broker's, the institution's, or the intermediary's instructions for trade settlement. The SettlInstSource field indicates if the settlement instructions are the broker's, the institution's, or the intermediary's. This message has been designed so that it can be sent from the broker to the institution, from the institution to the broker, or from either to an independent "standing instructions" database or matching system or, for CIV, from an intermediary to a fund manager.

The Settlement Instructions message can be used in one of three modes (SettlInstMode):

1) To provide "standing instructions" for the settlement of trades occurring in the future, messages should include some combination of.
   - AllocAccount
   - LastMkt
   - Side
   - SecurityType
   - PartyRole="Settlement Location"
   - SettlDeliveryType
   - EffectiveTime
2) To provide settlement instructions for a specific Allocation Account either as overriding or standing instructions to support matching. The following key should be used to tie the settlement instructions to the corresponding Allocation message.

   (TradeDate + AllocID + AllocAccount)
3) To provide settlement instructions for a specific Order with a single account either as overriding or standing instructions to support matching. The ClOrdID field should be used to link the settlement instructions to the corresponding Order message.

See VOLUME 7 - "PRODUCT: COLLECTIVE INVESTMENT VEHICLES"

The Settlement Instruction detail can be either explicitly specified (via SecuritySettl* and CashSettl* fields) or can exist within an independent standing instructions database and can be referenced via the StandInstDbType, StandInstDbName, and StandInstDbID fields.

See "Settlement Instructions Field Usage Matrix"

Settlement Instructions

Tag	*Field Name*	*Req'd*	*Comments*
	Standard Header	Y	MsgType = T
162	SettlInstID	Y	Unique message ID regardless of SettlInstMode

163	SettlInstTransType	Y	New, Replace, or Cancel
214	SettlInstRefID	Y	Required for Cancel and Replace SettlInstTransType messages
160	SettlInstMode	Y	1=Standing Instructions, 2=Specific Allocation Account Overriding, 3=Specific Allocation Account Standing , 4=Specific Order
165	SettlInstSource	Y	1=Broker's Settlement Instructions, 2=Institution's Settlement Instructions , 3=Investor
79	AllocAccount	Y	Required for SettlInstMode=1, 2, or 3
467	IndividualAllocID	N	
11	ClOrdID	N	Required for SettlInstMode=4.
75	TradeDate	N	Required for SettlInstMode=2 or 3
70	AllocID	N	Required for SettlInstMode=2 or 3
30	LastMkt	N	Required for SettlInstMode=2 or 3, May be required for SettlInstMode=1
336	TradingSessionID	N	
625	TradingSessionSubID	N	
54	Side	N	Required for SettlInstMode=2 or 3, May be required for SettlInstMode=1
167	SecurityType	N	May be required for SettlInstMode=1
168	EffectiveTime	N	May be required for SettlInstMode=1 (timestamp when it goes in to effect)
60	TransactTime	Y	Date/Time Settlement Instructions were generated
component block <Parties>		N	Insert here the set of "Parties" (firm identification) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
169	StandInstDbType	N	1=DTC SID, 2=Thomson ALERT, 3=Global Custodian's, etc.
170	StandInstDbName	N	Name of StandInstDbType (i.e. DTC, Global Custodian's name)
171	StandInstDbID	N	Identifier used within the StandInstDbType
172	SettlDeliveryType	N	
173	SettlDepositoryCode	N	Applicable when PartyRole="Settlement Location" and PartyID value is a depository
174	SettlBrkrCode	N	
175	SettlInstCode	N	
176	SecuritySettlAgentName	N	Applicable when settlement is being performed at a country vs. a depository
177	SecuritySettlAgentCode	N	Applicable when settlement is being performed at a country vs. a depository
178	SecuritySettlAgentAcctNum	N	Applicable when settlement is being performed at a country vs. a depository

179	SecuritySettlAgentAcctName	N	Applicable when settlement is being performed at a country vs. a depository
180	SecuritySettlAgentContactName	N	Applicable when settlement is being performed at a country vs. a depository
181	SecuritySettlAgentContactPhone	N	Applicable when settlement is being performed at a country vs. a depository
182	CashSettlAgentName	N	Applicable when SettlDeliveryType=Free. For CIV - applicable when settlement is between fund manager and intermediary, investor etc.
183	CashSettlAgentCode	N	Applicable when SettlDeliveryType=Free. For CIV - applicable when settlement is between fund manager and intermediary, investor etc.
184	CashSettlAgentAcctNum	N	Applicable when SettlDeliveryType=Free. For CIV - applicable when settlement is between fund manager and intermediary, investor etc.
185	CashSettlAgentAcctName	N	Applicable when SettlDeliveryType=Free. For CIV - applicable when settlement is between fund manager and intermediary, investor etc.
186	CashSettlAgentContactName	N	Applicable when SettlDeliveryType=Free. For CIV - applicable when settlement is between fund manager and intermediary, investor etc.
187	CashSettlAgentContactPhone	N	Applicable when SettlDeliveryType=Free. For CIV - applicable when settlement is between fund manager and intermediary, investor etc.
492	PaymentMethod	N	
476	PaymentRef	N	
488	CardHolderName	N	
489	CardNumber	N	
503	CardStartDate	N	
490	CardExpDate	N	
491	CardIssNum	N	
504	PaymentDate	N	
505	PaymentRemitterID	N	
	Standard Trailer	Y	

FIXML Definition for this message – see http://www.fixprotocol.org for details

```
<!ENTITY % SettlementInstructionsCustom "">
<!ENTITY % SettlementInstructionsContent "SettlInstID,SettlInstTransType,SettlInstRefID,
SettlInstMode,SettlInstSource,AllocAccount,
IndividualAllocID?,ClOrdID?,TradeDate?,
AllocID?,LastMkt?,TradingSessionID?,TradingSessionSubID?,Side?,SecurityType?,
EffectiveTime?,TransactTime,PartiesList?,StandInstDbType?,
StandInstDbName?,StandInstDbID?,SettlDeliveryType?,
SettlDepositoryCode?,SettlBrkrCode?,SettlInstCode?,
```

```
SecuritySettlAgentName?,SecuritySettlAgentCode?,
SecuritySettlAgentAcctNum?,SecuritySettlAgentAcctName?,
SecuritySettlAgentContactName?,SecuritySettlAgentContactPhone?,
CashSettlAgentName?,CashSettlAgentCode?,CashSettlAgentAcctNum?,
    \CashSettlAgentAcctName?,CashSettlAgentContactName?,CashSettlAgentContactPhone?,
PaymentMethod?,PaymentRef?,CardHolderName?,CardNumber?,
CardStartDate?,CardExpDate?,CardIssNum?,PaymentDate?,
PaymentRemitterID? %SettlementInstructionsCustom;" >
<!ELEMENT SettlementInstructions (%SettlementInstructionsContent;)>
<!ATTLIST SettlementInstructions FIXTag   CDATA  #FIXED '35'
  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'T' >
```

Settlement Instructions Field Usage Matrix

Trade Settlement Type	F.I.X. Fields Required	F.I.X. Fields Optional
Standing Instructions Provided (i.e. to be stored in an internal or third-party standing instructions database)	SettlInstID SettlInstTransType SettlInstRefID (if SettlInstTransType=Cancel or Replace) SettlInstMode=1 SettlInstSource AllocAccount (some combination of) • LastMkt • Side • PartyRole="Settlement Location" • SecurityType • SettlDeliveryType • EffectiveTime TransactTime StandInstDbType (if SettlDepositoryCode is not specified, one of more of the SecuritySettl* fields are required) SettlBrkrCode SettlInstCode	ClientID ExecBroker Text StandInstDbName StandInstDbID SettlDepositoryCode SecuritySettlAgentName SecuritySettlAgentCode SecuritySettlAgentAcctNum SecuritySettlAgentContactName SecuritySettlAgentContactPhone (CashSettl* only if SecuritySettl* fields provided) CashSettlAgentName CashSettlAgentCode CashSettlAgentAcctNum CashSettlAgentContactName CashSettlAgentContactPhone
Specific Allocation Account (trade) referencing existing Standing Instructions	SettlInstID SettlInstTransType SettlInstRefID (if SettlInstTransType=Cancel or Replace) SettlInstMode=2 SettlInstSource AllocAccount TradeDate AllocID LastMkt Side TransactTime	PartyRole="Settlement Location" SecurityType ClientID ExecBroker Text StandInstDbName

	StandInstDbType StandInstDbID SettlBrkrCode SettlInstCode	
Specific Allocation Account (trade) providing details for settlement at a depository	SettlInstID SettlInstTransType SettlInstRefID (if SettlInstTransType=Cancel or Replace) SettlInstMode=2 SettlInstSource AllocAccount PartyRole="Settlement Location" TradeDate AllocID LastMkt Side TransactTime SettlDepositoryCode SettlBrkrCode SettlInstCode	SecurityType ClientID ExecBroker Text SettlDeliveryType
Specific Allocation Account (trade) providing details for a Single Agent (bank) for the security	SettlInstID SettlInstTransType SettlInstRefID (if SettlInstTransType=Cancel or Replace) SettlInstMode=2 SettlInstSource AllocAccount PartyRole="Settlement Location" TradeDate AllocID LastMkt Side TransactTime SettlBrkrCode SettlInstCode SecuritySettlAgentName	SecurityType ClientID ExecBroker Text SettlDeliveryType SecuritySettlAgentContactName SecuritySettlAgentContactPhone

	SecuritySettlAgentCode SecuritySettlAgentAcctNum	
Specific Allocation Account (trade) providing details for Two Agents (banks) one for the security and one for cash	SettlInstID SettlInstTransType SettlInstRefID (if SettlInstTransType=Cancel or Replace) SettlInstMode=2 SettlInstSource AllocAccount PartyRole="Settlement Location" TradeDate AllocID LastMkt Side TransactTime SettlDeliveryType=Free SettlBrkrCode SettlInstCode SecuritySettlAgentCode SecuritySettlAgentAcctNum CashSettlAgentCode CashSettlAgentAcctNum	SecurityType ClientID ExecBroker Text SecuritySettlAgentName SecuritySettlAgentContactName SecuritySettlAgentContactPhone CashSettlAgentName CashSettlAgentContactName CashSettlAgentContactPhone

CATEGORY: TRADE CAPTURE ("STREETSIDE") REPORTING

Overview:

Trade Capture Reporting allows sell-side firms (broker, exchange, ECN) to provide timely reporting of completed trades to an external entity not involved in the execution of the trade. For example, in the United States sell-side firms report completed trades to the DTC (Depository Trust Corporation) for the purpose of matching, trade guarantee, delivery, netting, etc. As settlement cycles reduce, such communication must be closer to real-time vs. an end-of-the day batch process. The Trade Capture Report and Trade Capture Report Request messages have been designed to facilitate such communication.

Trade Capture Report Request

The Trade Capture Report can be used to:

- Request one or more trade capture reports based upon selection criteria provided on the trade capture report request
- Subscribe for trade capture reports based upon selection criteria provided on the trade capture report request.

The following criteria can be specified on the Trade Capture Report Request:

- All Trades matching the order identification information
- All Trades for the party defined in the component block <Parties>
  - This can be a trader id, firm, broker id, clearing firm
- All Trades that match component block <Instrument>
- All Unreported trades – Executions that have not been sent
- All unmatched trades – Trades that have not been matched
- Trades that have specified MatchStatus
- Trades for a specific OrderID
- Trades for a specific ClOrdID
- Trades for a specific ExecID
- Trades entered via a specific TradeInputSource
- Trades entered via a specific TradeInputDevice
- All Advisories

Each field in the Trade Capture Report Request (other than TradeRequestID and SubscriptionRequestType) identify filters - trade reports that satisfy all Specified filters will be returned. Note that the filters are combined using an implied "and" - a trade report must satisfy every specified filter to be returned.

The optional date or time range-specific filter criteria (within NoDates repeating group) can be used in one of two modes:

- "Since" a time period. NoDates=1 with first TradeDate (and optional TransactTime) indicating the "since" (greater than or equal to operation) point in time.

- "Between" time periods. NoDates=2 with first TradeDate (and optional TransactTime) indicating the "beginning" (greater than or equal to operation) point in time and the second TradeDate (and optional TransactTime) indicating the "ending" (less than or equal to operation) point in time.

Trade Capture Report messages are the normal return type to a Trade Capture Report Request.

Use the Business Message Reject to reject an invalid Trade Capture Report Request.

Trade Capture Report Request

Tag	*Field Name*	*Req'd*	*Comments*
	Standard Header	Y	MsgType = AD
568	TradeRequestID	Y	Identifier for the trade request
569	TradeRequestType	Y	
263	SubscriptionRequestType	N	Used to subscribe / unsubscribe for trade capture reports If the field is absent, the value 0 will be the default
17	ExecID	N	
37	OrderID	N	
11	ClOrdID	N	
573	MatchStatus	N	
Component block <Parties>		N	Used to specify the parties for the trades to be returned (clearing firm, execution broker, trader id, etc.) ExecutingBroker ClearingFirm ContraBroker ContraClearingFirm SettlementLocation - depository, CSD, or other settlement party ExecutingTrader InitiatingTrader OrderOriginator
Component block <Instrument>		N	Insert here the set of "Instrument" (symbology) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
580	NoDates	N	Number of date ranges provided (must be 1 or 2 if specified)
→	***75*** ***TradeDate***	N	Used when reporting other than current day trades. Conditionally required if NoDates > 0
→	***60*** ***TransactTime***	N	Time the transaction represented by this ExecutionReport occurred
54~~0~~	Side	N	
58	Text	N	Used to match specific values within Text fields
354	EncodedTextLen	N	

355	EncodedTest	N	
578	TradeInputSource	N	
579	TradeInputDevice	N	
	Standard Trailer	Y	

FIXML Definition for this message – see http://www.fixprotocol.org for details

```
<!ENTITY % TrdCaptureReportReqCustom "">

<!ENTITY % TrdCaptureReportReqContent
"TradeRequestID,TradeRequestType,SubscriptionRequestType?,ExecID?,
OrderID?,ClOrdID?,MatchStatus?,PartiesList?,Instrument,TradeDateList?,Side?,Text?,EncodedTextGroup?,TradeI
nputSource?,TradeInputDevice? %TrdCaptureReportReqCustom;" >

<!ELEMENT TrdCaptureReportReq (%TrdCaptureReportReqContent;)>

<!ATTLIST TrdCaptureReportReq FIXTag   CDATA  #FIXED '35'

  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'AD' >
```

Trade Capture Report

The Trade Capture Report message can be:

- Used to report trades between counterparties.
- Can be sent unsolicited between counterparties.
- Sent as a reply to a Trade Capture Report Request.
- Can be used to report unmatched and matched trades.

Trade Capture Report

Tag	*Field Name*	*Req'd*	*Comments*
	Standard Header	Y	MsgType = AE
571	TradeReportID	Y	Unique identifier for the Trade Capture Report
487	TradeReportTransType	N	Identifies Trade Report message transaction type.
568	TradeRequestID	N	Request ID if the Trade Capture Report is in response to a Trade Capture Report Request
150	ExecType	Y	Type of Execution being reported: Uses subset of ExecType for Trade Capture Reports
572	TradeReportRefID	N	The TradeReportID that is being referenced for some action, such as correction or cancellation
17	ExecID	N	Exchanged assigned Execution ID (Trade Identifier)
527	SecondaryExecID	N	
378	ExecRestatementReason	N	Reason for restatement
570	PreviouslyReported	Y	Indicates if the trade capture report was previously reported to the counterparty
Component block <Instrument>		Y	Insert here the set of "Instrument" (symbology) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
Component block <OrderQtyData>		N	Insert here the set of "OrderQtyData" fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES" Note: OrderQty field is required unless rejecting or an order ack for a CashOrderQty or PercentOrder.
32	LastQty	Y	Quantity (e.g. shares) bought/sold on this (last) fill. Not required ExecType = Order Status When required, should be "0" for non-fills ("fill" defined as ExecType=Trade) unless noted below. If ExecType=Stopped, represents the quantity stopped/guaranteed/protected for.

31	LastPx		Y	Price of this (last) fill. Not required for ExecType = Order Status Should represent the "all-in" (LastSpotRate + LastForwardPoints) rate for F/X orders.). When required, should be "0" for non-fills ("fill" defined as ExecType=Trade New) unless noted below. If ExecType=Stopped, represents the price stopped/guaranteed/protected at.
194	LastSpotRate		N	Applicable for F/X orders
195	LastForwardPoints		N	Applicable for F/X orders
30	LastMkt		N	
75	TradeDate		Y	Used when reporting other than current day trades.
60	TransactTime		Y	Time the transaction represented by this ExecutionReport occurred
63	SettlmntTyp		N	
64	FutSettDate		N	Takes precedence over SettlmntTyp value and conditionally required/omitted for specific SettlmntTyp values.
573	MatchStatus		N	
574	MatchType		N	
552	NoSides		Y	Number of sides
→	***54***	***Side***	Y	
→	***37***	***OrderID***	Y	OrderID is required to be unique for each chain of orders.
→	***198***	***SecondaryOrderID***	N	Can be used to provide order id used by exchange or executing system.
→	***11***	***ClOrdID***	N	Required for executions against electronically submitted orders which were assigned an ID by the institution or intermediary. Not required for orders manually entered by the broker or fund manager (for CIV orders).
→	***component block <Parties>***		N	Insert here the set of "Parties" (firm identification) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES" Range of values on report:
→	***1***	***Account***	N	Required for executions against electronically submitted orders *which were assigned an account by the institution or intermediary*
→	***581***	***AccountType***	N	Specifies type of account
→	~~***63***~~	~~***SettlmntTyp***~~	~~N~~	

→	~~*64*~~	~~***FutSettDate***~~	~~N~~	~~Takes precedence over SettlmntTyp value and conditionally required/omitted for specific SettlmntTyp values.~~
→	*81*	***ProcessCode***	N	Used to specify Step-out trades
→	*575*	***OddLot***	N	
→	*576*	***NoClearingInstructions***	N	
→	→	*577* ***ClearingInstruction***	N	
→	*635*	***ClearingFeeIndicator***	N	
→	*578*	***TradeInputSource***	N	
→	*579*	***TradeInputDevice***	N	
→	*15*	***Currency***	N	
→	*376*	***ComplianceID***	N	
→	*377*	***SolicitedFlag***	N	
→	*528*	***OrderCapacity***	N	
→	*529*	***OrderRestrictions***	N	
→	*582*	***CustOrderCapacity***	N	
→	*483*	***TransBkdTime***	N	A date and time stamp to indicate when this order was booked. For Equities, this is the time at which an order was received by an Exchange or Marketplace. For CIV, this is the time that a Fund Manager booked an order for execution at the next valuation point.
→	*336*	***TradingSessionID***	N	
→	*625*	***TradingSessionSubID***	N	
→	***Component block <CommissionData>***		N	Insert here the set of "CommissionData" fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES" Note: On a fill/partial fill messages, it represents value for that fill/partial fill, on ExecType=Calculated, it represents cumulative value for the order. Monetary commission values are expressed in the currency reflected by the Currency field.
→	*381*	***GrossTradeAmt***	N	
→	*157*	***NumDaysInterest***	N	
→	*230*	***ExDate***	N	
→	*158*	***AccruedInterestRate***	N	
→	*159*	***AccruedInterestAmt***	N	
→	*238*	***Concession***	N	

→	*237*	***TotalTakedown***		N	
→	*118*	***NetMoney***		N	Note: On a fill/partial fill messages, it represents value for that fill/partial fill, on ExecType=Calculated, it represents cumulative value for the order. Value expressed in the currency reflected by the Currency field.
→	*119*	***SettlCurrAmt***		N	Used to report results of forex accommodation trade
→	*120*	***SettlCurrency***		N	Used to report results of forex accommodation trade
→	*155*	***SettlCurrFxRate***		N	Foreign exchange rate used to compute SettlCurrAmt from Currency to SettlCurrency
→	*156*	***SettlCurrFxRateCalc***		N	Specifies whether the SettlCurrFxRate should be multiplied or divided
→	*77*	***PositionEffect***		N	For use in derivatives omnibus accounting
→	*58*	***Text***		N	May be used by the executing market to record any execution Details that are particular to that market
→	*354*	***EncodedTextLen***		N	Must be set if EncodedText field is specified and must immediately precede it.
→	*355*	***EncodedText***		N	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.
→	*442*	***MultiLegReportingType***		N	Default is a single security if not specified.
→	*518*	***NoContAmts***		N	Number of contract details in this message **** Nested Repeating Group follows ****
→	→	*519*	***ContAmtType***	N	Must be first field in the repeating group.
→	→	*520*	***ContAmtValue***	N	
→	→	*521*	***ContAmtCurr***	N	
→	*136*	***NoMiscFees***		N	Required if any miscellaneous fees are reported. Indicates number of repeating entries **** Nested Repeating Group follows ****
→	→	*137*	***MiscFeeAmt***	N	Required if NoMiscFees > 0
→	→	*138*	***MiscFeeCurr***	N	Required if NoMiscFees > 0
→	→	*139*	***MiscFeeType***	N	Required if NoMiscFees > 0
	Standard Trailer			Y	

FIXML Definition for this message – see http://www.fixprotocol.org for details

<!ENTITY % TrdCaptureReportCustom "">

<!ENTITY % TrdCaptureReportContent "TradeReportID, TradeReportTransType?, TradeRequestID?,ExecType?,TradeReportRefID?,ExecID?, SecondaryExecID?, ExecRestatementReason?,PreviouslyReported,Instrument, OrderQtyData?, LastQty,

```
LastPx, LastSpotRate?, LastForwardPoints?,LastMkt?,TradeDate, TransactTime,
Settlement?, MatchStatus, MatchType, TrdRepSideList %TrdCaptureReportCustom;" >
<!ELEMENT TrdCaptureReport (%TrdCaptureReportContent;)>
<!ATTLIST TrdCaptureReport FIXTag   CDATA  #FIXED '35'
  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'AE' >
```

CATEGORY: REGISTRATION INSTRUCTIONS

Registration Instructions

The Registration Instructions message type may be used by institutions or retail intermediaries wishing to electronically submit registration information to a broker or fund manager (for CIV) for an order or for an allocation.

A Registration Instructions message can be submitted as new, cancel or replace. The RegistTransType field indicates the purpose of the message. When submitting replace or cancel RegistTransType messages the RegistRefID field is required. Replacement Registration Instructions messages must contain all data for the replacement registration.

See VOLUME 7 - "PRODUCT: COLLECTIVE INVESTMENT VEHICLES"

The Registration Instructions message contains repeating fields for each of several joint registrants. The number of registration details instances is indicated in NoRegistDtls. The repeating fields are shown below in typeface ***Bold-Italic*** and indented with the → symbol. The field's relative position in the message is important. For example, each instance of registration must be in the order shown below.

The format of the Registration Instructions message is as follows:

Registration Instructions

Tag	Field Name	Req'd	Comments
	Standard Header	Y	MsgType = o (lowercase O)
513	RegistID	Y	
514	RegistTransType	Y	
508	RegistRefID	Y	Required for Cancel and Replace RegistTransType messages
11	ClOrdID	N	Unique identifier of the order as assigned by institution or intermediary to which Registration relates
component block <Parties>		N	Insert here the set of "Parties" (firm identification) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
1	Account	N	
493	RegistAcctType	N	
495	TaxAdvantageType	N	
517	OwnershipType	N	
473	NoRegistDtls	N	Number of registration details in this message (number of repeating groups to follow)
→	***509 RegistDtls***	N	Must be first field in the repeating group
→	***511 RegistEmail***	N	
→	***474 MailingDtls***	N	

→	*482*	***MailingInst***	N	
→	***component block <NestedParties>***		N	Insert here the set of "Nested Parties" (firm identification "nested" within additional repeating group) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES" Used for NestedPartyRole=InvestorID
→	*522*	***OwnerType***	N	
→	*486*	***DateOfBirth***	N	
→	*475*	***InvestorCountryOfResidence***	N	
510	NoDistribInsts		N	Number of Distribution instructions in this message (number of repeating groups to follow)
→	*477*	***DistribPaymentMethod***	N	Must be first field in the repeating group if NoDistribInsts > 0.
→	*512*	***DistribPercent***	N	
→	*478*	***CashDistribCurr***	N	
→	*498*	***CashDistribAgentName***	N	
→	*499*	***CashDistribAgentCode***	N	
→	*500*	***CashDistribAgentAcctNum***	N	
→	*501*	***CashDistribPayRef***	N	
→	*517*	***CashDistribAgentAcctName***	N	
	Standard Trailer		Y	

FIXML Definition for this message – see http://www.fixprotocol.org for details

```
<!ENTITY % RegistrationInstructionsCustom "">
<!ENTITY % RegistrationInstructionsContent "RegistID,RegistTransType,RegistRefID,ClOrdID?,
    PartiesList?,Account?,AccountType?,TaxAdvantageType?,  OwnershipType?,RegistDtlsList?,  DistribInstList?
%RegistrationInstructionsCustom;" >

<!ELEMENT RegistrationInstructions (%RegistrationInstructionsContent;)>
<!ATTLIST RegistrationInstructions FIXTag   CDATA  #FIXED '35'
  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'o' >
```

Registration Instructions Response

The Registration Instructions Response message type may be used by broker or fund manager (for CIV) in response to a Registration Instructions message submitted by an institution or retail intermediary for an order or for an allocation.

The Registration Instructions Response message is used to:

1. confirm the receipt of a Registration Instructions message
2. confirm changes to an existing Registration Instructions message (i.e. accept cancel and replace requests)
3. relay Registration Instructions status information
4. relay assigned client and account Ids for Registration Instructions messages with RegTransType=New
5. reject Registration Instructions message

Each Registration Instructions Response message contains a RegistStatus field which is used to communicate the current state of the Registration Instructions as understood by the broker or fund manager. The Registration Instruction statuses are as follows (in highest to lowest precedence):

RegistStatus	**Description**
Accepted	Registration details are acceptable to the receiving broker, intermediary or fund manager. Assigned client and account Ids may be returned.
Rejected	Registration details have been rejected by the receiving broker, intermediary or fund manager.
Held	Registration details have been held by the receving broker, intermediary or fund manager. Assigned (possibly provisional) client and account Ids may be returned.

The format of the Registration Instructions Response message is as follows:

Registration Instructions Response

Tag	Field Name	Req'd	Comments
	Standard Header	Y	MsgType = p (lowercase P)
513	RegistID	Y	Unique identifier of the original Registration Instructions details
514	RegistTransType	Y	Identifies original Registration Instructions transaction type
508	RegistRefID	Y	Required for Cancel and Replace RegistTransType messages
11	ClOrdID	N	Unique identifier of the order as assigned by institution or intermediary.
component block <Parties>		N	Insert here the set of "Parties" (firm identification) fields defined in "COMMON COMPONENTS OF APPLICATION MESSAGES"
1	Account	N	

506	RegistStatus	Y	
507	RegistRejReasonCode	N	
496	RegistRejReasonText	N	
	Standard Trailer	Y	

FIXML Definition for this message – see http://www.fixprotocol.org for details

```
<!ENTITY % RegistrationInstructionsRespCustom "">
<!ENTITY % RegistrationInstructionsRespContent "RegistID,RegistTransType,RegistRefID,ClOrdID?,
    PartiesList?,Account?,RegistStatus,RegistRejReasonCode?,                RegistRejReasonText?
%RegistrationInstructionsRespCustom;" >
<!ELEMENT RegistrationInstructionsResp (%RegistrationInstructionsRespContent;)>
<!ATTLIST RegistrationInstructionsResp FIXTag   CDATA  #FIXED '35'
  DataType CDATA  #FIXED 'String'
  Value    CDATA  #FIXED 'p' >
```