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Document History

Revision	Date	Author	Revision Comments
0.1	2010-01-07	JimN, Niranjana Sharma, Matt Simpson	Initial Draft
0.2	2010-01-14	JimN	New fields added to report
0.3	2010-01-19	JimN	Updated after review and meeting with MEFF -Added FirmAllocText to AllocGrp, AllocAckGrp -Added SecondaryTradeID to AllocExcGrp -Kept Firm*Ids in message
0.4	2010-01-21	JimN	Updated after review with CME -Renamed FirmAllocID toFirmGroupID -Issue with naming of FirmIndividualAllocID
0.5	2010-05-26	JimN	Includes proposed AllocStatus enumerations for more granular reporting of state. Includes changes proposed by CME.
0.6	2010-06-14	Rich Shriver	Changed AllocStatus attribute to Custom field and restructured chapters to match standard template. Incorporated questions from Hano Klein
0.7	2010-07-20	Rich Shriver	Added new diagrams from CME to indicate the FIXML message flow, business requirements for new allocation status conditions, an issue to be discussed on how to re-open a group and addressed feedback from discussions.
0.8	2010-07-27	Rich Shriver	Minor revisions to formatting of the message tables and minor corrections provided by CME.
0.9	2010-08-01	Rich Shriver	Made changes to descriptions as suggested by CME.
0.10	2010-08-05	Rich Shriver	Fixed typo on new AllocTyp enumeration to make the terminology re-open group.
1.0	2010-08-13	Rich Shriver	Post conditional approval from GTC, added issue discussion on rationale for different group identifiers, clarified potential need for extending RollupInstruction, removed OrderAllocGrp component, references to EP107, modified the description to ExecAllocGrp and added clarification of scope.

1.1	2010-09-15	Ryan Pierce Rich Shriver	Includes changes received during the public comment period and the September 9, 2010 FIAPTWG meeting. Changes include: <ul style="list-style-type: none"> Added new state values to AllocType, AllocReportType, and AllocStatus. Added new fields AllocGroupQuantity and AllocRemainingGroupQty to the Allocation Report and Allocation Instruction Alert messages. Updated Figure 2 to reflect current practices regarding status fields. Changed “released” to “reversed” in a new AllocStatus enum to agree with the decision to use the term “reverse” consistently.
1.2	2010-10-11 2010-10-13	Ryan Pierce Niranjana Sharma CME Group	Includes changes received during the October 7, 2010 GTC review. Changes include: <ul style="list-style-type: none"> Added state change matrices. Renamed AllocRemainingGroupQuantity to AllocGroupRemainingQuantity. Changed text to use actual field names, not abbreviations. Updated descriptions to provide additional clarity, as discussed at the GTC meeting and from additional offline feedback.
	2010-10-17	Niranjana Sharma	Modified the message table for Reversals Added two more new enumerations for AllocTyp <ul style="list-style-type: none"> Accept Reversal Reject Reversal Added two more new enumerations for AllocReportType <ul style="list-style-type: none"> Accepted Reversal Rejected Reversal
1.3	2010-11-10	L. Taikitsadaporn	Merged changes to include usage of ID fields in matrix tables

1.4 1.5	2011-02-02 2011-02-18 2011-03-01	L. Taikitsadaporn, Brook Path Partners, - editing for Global Technical Committee	<p>Added flow diagrams illustrating give-up/take-up and reversal flows, along with state diagram.</p> <p>List out all new enumerations and their meaning for AllocType, AllocReportType and AllocStatus.</p> <p>New field AllocReversalReason added.</p> <p>Additional text around the various allocation models and process models.</p> <p>Additional edits based on CME feedback.</p> <p>Added flow diagram for sub-allocation and removed diagram for modifying a reversal instruction.</p>
1.6	2011-05-31	L. Taikitsadaporn, Brook Path Partners, - editing for Global Technical Committee	<p>Incorporate complete flows for give-up/take-up and reversal processes for 2-party, 3-party, and 4-party work flows.</p> <p>Included auxiliary processes of trades submitted to clearing marked for give-up.</p> <p>Updated Appendices A and C.</p> <p>Updated discussion issues.</p> <p>Updated state change diagrams in Section 2.2, and added Appendix D to show state diagrams specific to CME, Eurex and MEFF.</p>
1.7	2011-06-14	L. Taikitsadaporn, Brook Path Partners, - editing for Global Technical Committee	<p>Updated based on London in-person meeting.</p> <p>General clean up of App. A.</p>
1.7 ASBUILT	2011-07-31	JimN	AS BUILT
1.8 ASBUILT	2011-11-14	L. Taikitsadaporn, Jim N	Resolved SPEC-457 and SPEC-470 edits.
	2011-12-01	L. Taikitsadaporn	Edited Data Dictionary entry for PartyRole to remedy the omission that PartyRole value "14" is to be deprecated. (SPEC-531)
	2011-12-12	R. Shriver	<p>Changed the following data dictionary enum entries to conform to the rule of Title case for enum descriptions:</p> <p>AllocStatus(87) AllocType(626) AllocReportType(794) AllocNoOrdersType(857) PartyRole(452)</p>
	2011-12-19	R. Shriver	<p>Minor corrections to AllocInstructionAlert – FirmGroup should be tag 1728.</p> <p>Revised all diagrams and tables with tbd to include correct values.</p>

	2012-01-11	L. Taikitsadaporn	Final cleanup pre-publishing; regenerated TOC and TOF
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1 Introduction

This gap analysis is the result of analysis completed by the FIA Post Trade Working Group with recommendations to improve Automated Average Pricing mechanisms and to harmonize information exchange with the needs of central Clearing Houses. A key reference document is the FIA PTWG Allocation Reporting Specification May 21, 2008. The FIA PTWG has met several times to review and revise these recommendations. This proposal describes enhancements to allocation workflows between exchange members, the clearinghouse and clearing firms.

This proposal also takes into consideration additional feedback from the Global Technical Committee's review, additional review with the FIA Post-trade Working Group and public comment period of the proposal.

2 Business Workflow

2.1 Basic Allocation Give-up and Reversal

The post-trade allocation give-up/take-up processes involving the Clearinghouse, Give-up and Take-up firms are illustrated in detail in Section 4, along with the process for reversing the give-up/take-up that has been completed.

The Give-up firm is the party allocating the trade to another party, the Take-up firm. The Clearinghouse is the central party that maintains the status of the allocation give-up.

Within the FIX Allocation message set, the usage of the messages are as follows:

- The AllocationInstruction message is always sent by either Give-up or Take-up Firm to provide instructions to the Clearinghouse to take an action.
- The AllocationReport message is always sent by the Clearinghouse to Give-up and Take-up Firms to report on the current state of a give-up. For the Take-up firm the AllocationReport is also used by the Clearinghouse to notify that there is an allocation alleged to the Take-up firm.
- The Clearinghouse may use the AllocationInstructionAck message to acknowledge the receipt of an AllocationInstruction message, reject it due to failed validation, or accept it as having passed validation but not necessarily processed and an AllocationReport will follow
- The Give-up and Take-up firms may use the AllocationReportAck message to acknowledge the receipt of an AllocationReport message

The following key fields in each of the Allocation messages are to be interpreted as follows:

- AllocTransType - identifies whether the message is a new, cancel or replace. The "cancel" identifies the cancelling of a previously sent instruction, while the "replace" identifies the amendment of a previously sent instruction
- AllocType and AllocReportType - identifies the type of instruction in the message.
- AllocStatus - the current status of the allocation give-up as known and reported by the Clearinghouse
- AllocReversalStatus (1738) - a proposed new field to be added to the AllocationReport message only. This field is used only in the reversal process by the Clearinghouse to report on status of the reversal transaction or activity. This allows the AllocStatus field to continue to be the allocation give-up status.

2.1.1 Allocation Models

The FIX AllocationInstruction message allows the Give-up Firm to send in 1 or more allocations per message within the AllocGrp. There are two distinct allocation give-up models employed by Clearinghouses and usually only one of these is used by a given Clearinghouse:

- 1-to-1 model: each AllocationInstruction message from the Give-up Firm is communicating only one give-up instruction to one Take-up Firm.
- 1-to-n model: each AllocationInstruction message from the Give-up Firm is communicating two or more give-up instructions to two or more Take-up Firms. Each individual piece is treated and reported individually by the Clearinghouse back to the Give-up Firm as the status changes. It is possible that some of the give-ups maybe rejected/refused by the intended Take-up Firm.

Additionally there cannot be more instructions from Take-up Firms than there are AllocationReports from Clearinghouse to Take-up Firms.

2.1.2 2-Party, 3-Party, and 4-Party Process Models

In addition to differing allocation models supported by Clearinghouses, Clearinghouses may also support differing processes for risk management processes.

The 2-party process model involves only the following roles: Clearinghouse, Give-up Firm and Take-up Firm. The allocation give-up/take-up process is conducted between these two roles with the Clearinghouse as the central party.

The 4-party process model involves the following roles: Clearinghouse, Give-up Trading Firm, Give-up Clearing Firm, Take-up Trading Firm and Take-up Clearing Firm. The processes involving the additional roles builds upon the 2-party process model. The give-up/take-up process is conducted between all four roles with the Clearinghouse as the central party facilitating the process flow.

The 3-party process model is a hybrid between the 2-party and 4-party process models. The 3-party process model involves the following roles: Clearinghouse, Give-up Trading Firm, Give-up Clearing Firm, and Take-up Firm. The Take-up Firm is generally the clearing member on the take-up side. As with the other process models, the Clearinghouse is the central party facilitating the process flow.

2.2 New State Enumerations

The need for new state enumerations was discussed at the September 9, 2010 FIA PTWG meeting and in subsequent follow-ups as a result of feedback from the proposal's original public comment period. The diagram below summarizes the allowable state for the basic allocation give-up/take-up and reversal process.

Figure 1: Post-trade Allocations State Transition for 2-party Process Model

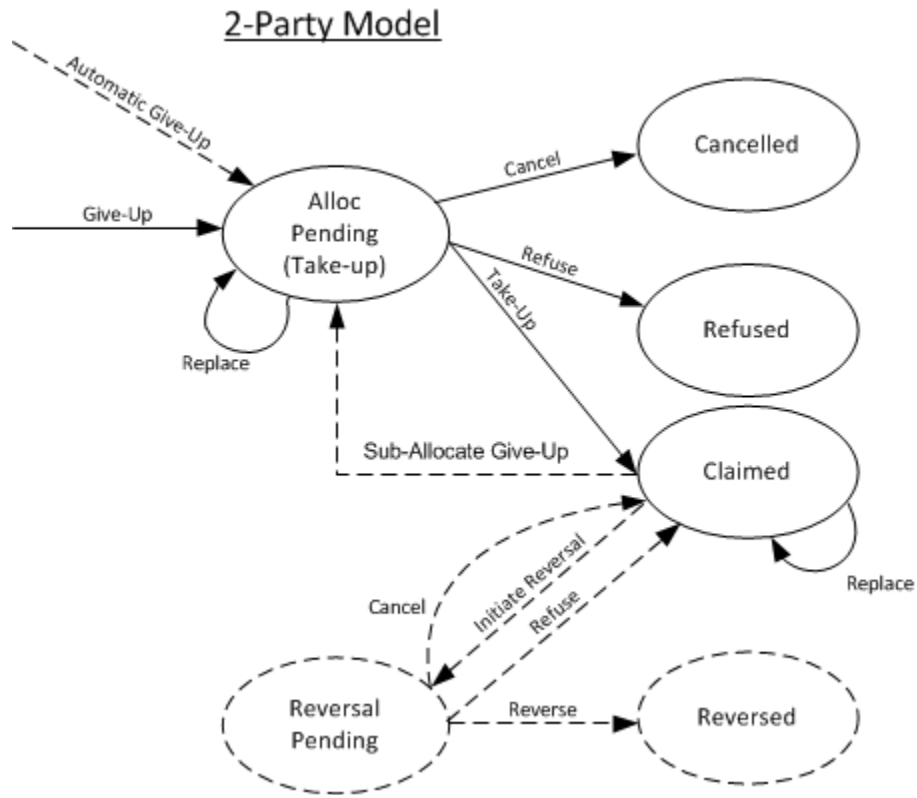
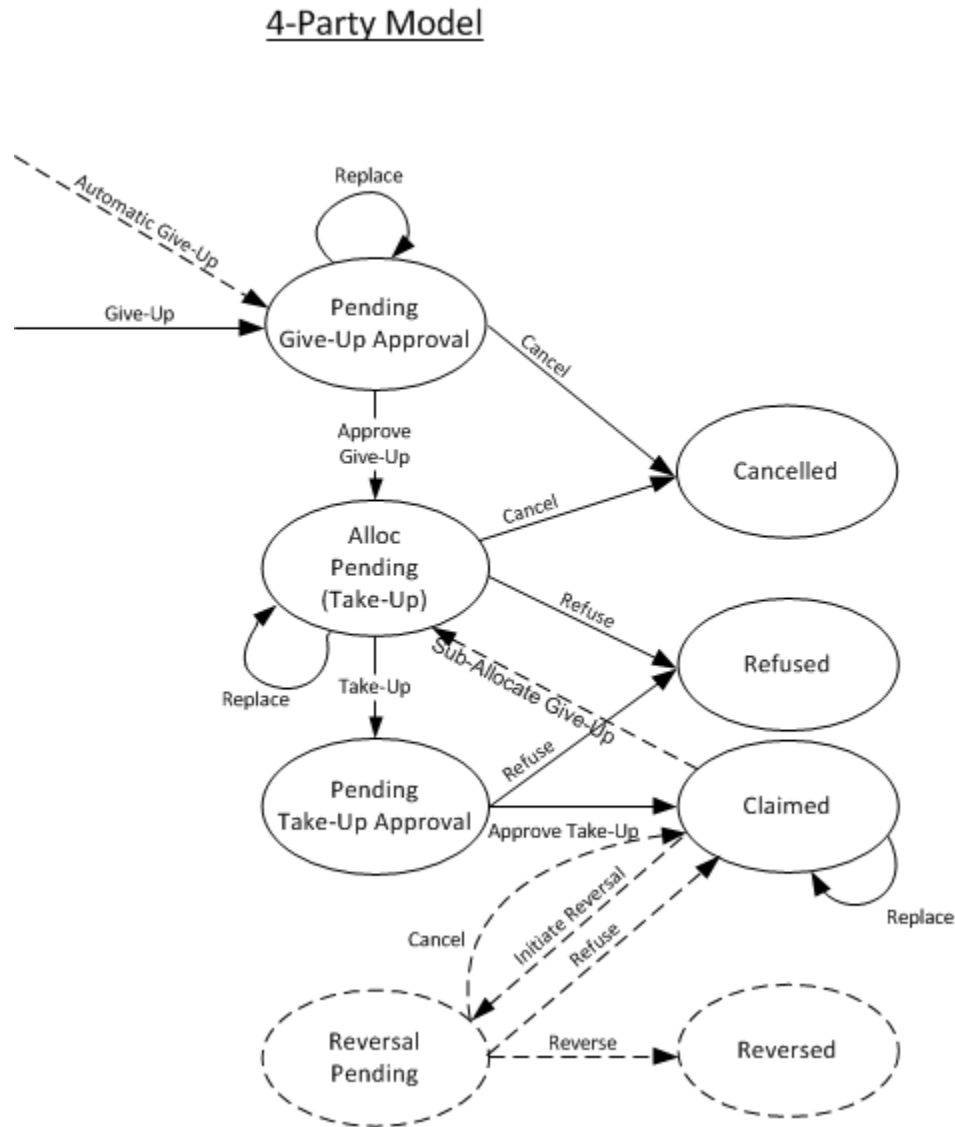


Figure 2: Post-trade Allocations State Transition for 4-party Process Model



The following are proposed new values are needed to support post-trade allocation give-up/take-up and reversal processes:

AllocType (626) - new enumeration values proposed:

- Give-up - Identifies the give-up transaction being initiated. In the AllocationInstruction it is used by the Give-up Firm to instruct the Clearinghouse of an allocation.
- Take-up - Identifies the Take-up transaction. In the AllocationInstruction it is used by the Take-up Firm to instruct the Clearinghouse of the take-up.
- Refuse take-up - Identifies the refusal of a take-up. In the AllocationInstruction it is used by the Take-up Firm to notify the Clearinghouse of a refusal of an alleged take-up.

- Initiate reversal - Identifies the initiation of a reversal process. In the AllocationInstruction it is used by the Initiating party to instruct the Clearinghouse of a reversal.
- Reverse - Identifies a reversal transaction. In the AllocationInstruction it is used by the Respondant party to instruct the Clearinghouse of a reversal.
- Refuse alleged reversal - Identifies the refusal of an alleged reversal. In the AllocationInstruction it is used by the Respondant party to notify the Clearinghouse of a refusal of an alleged reversal.

AllocReportType (794) - new enumeration values proposed:

- Give-up - Identifies a give-up transaction is being reported on. In the AllocationReport it is used by the Clearinghouse to report on the status of the give-up back to the Give-up Firm.
- Take-up - Identifies a take-up transaction is being reported on. In the AllocationReport it is used by the Clearinghouse to notify the Take-up firm of a pending Take-up and to report status of the take-up.
- Reversal - Identifies a reversal transaction is being reported on. In the AllocatinReport it is used by the Clearinghouse to report on the status of a reversal to the Initiating party.
- Alleged Reversal - Identifies an alleged reversal transaction is being reported. In the AllocationReport it is used by the Clearinghouse to report to the Respondant party of a reversal alleged against the Respondant.

AllocStatus (87) - new enumeration values proposed:

- Claimed - Identifies that the allocation give-up/take-up transaction has been claimed by the Take-up Firm.
- Refused - Identifies that the allocation give-up/take-up transaction has been refused by the Take-up Firm.
- Cancelled - Identifies that the allocation give-up/take-up transaction has been cancelled by the Give-up Firm.
- Reversal Pending - Identifies that an allocation give-up/take-up reversal transaction is pending.

AllocReversalStatus (1738):

This is a new field proposed to be added to the AllocationReport message to allow the Clearinghouse to report on the staufs of the reversal transaction itself. The field will have the following enumeration values:

- Completed - Identifies that the reversal transaction is completed.
- Refused - Identifies that the reversal transaction is refused.
- Cancelled - Identifies that a previously sent reversal instruction has been cancelled.

Enumeration description update:

Enumeration value "reversed" for AllocStatus should include the following long description:

- Reversed - Identifies that the allocation give-up/take-up transaction has been reversed.

Many of these are illustrated in the state change matrices that are listed in Appendix C of this document and in the message flow diagrams in Section 5.

2.3 Grouping

Grouping is a mechanism to group trades with similar characteristics. Trades are grouped together for the purpose of allocating them out to take up firms. Groups can be grouped by trader, contract, trade date, Buy/sell code (side), account, trade type, order etc. Grouping can be initiated by the firm or the Clearing system. In both cases, the clearing system assigns a group id (AllocGroupId) which is considered to be the unique group identifier. This is to avoid the situation where two firms could assign the same group identifier (however remote)

The two different types of group are:

1. *Average price groups (Firm initiated)*

Typically Grouping is done for the purpose of average pricing and this is initiated by the Firm. They specify a AveragePxGrpID to identify the average price group. This can be done via the TradeCaptureReport (using TradeLinkID today) or in the AllocationInstruction message. All the trades with the same AveragePxGrpID will be added to the same group. This goes on until a group complete instruction is sent by the firms. The Clearing system on receipt of this will calculate the final average price and firms will use this price when they start allocating out of this group.

Note that the AveragePxGrpID is currently not in the TradeCaptureReport message. This will be proposed as an addition in a separate gap analysis proposal.

2. *Non-Average Price Groups (Grouping done by the clearing system)*

Clearing systems can also group trades. This is done when a firm marks a trade for give-up. In this case the clearing system assign a group identifier (AllocGroupId). The firm may optionally assign their own group identifier (**FirmGroupId**) to identify the group. The reason the clearing system groups the trade is because when an order is executed, depending on the match algorithm used, the match engine could break up the order and multiple trades could be created. By grouping them together, firms don't have to send multiple allocation instructions to allocate to a take up firm. This gives them the flexibility to allocate quantities that are greater than trade quantities if the match resulted in multiple trades.

Note: To keep the behavior consistent CME clearing system will always create a group even in a single trade allocation model where one trade goes to one group.

2.3.1 Average Price Give-ups

Average pricing is accomplished by grouping trades, creating a give-up, and allowing the take-up firm to claim inclusive of residual amount. Grouping of trades can be accommodated in Trade Capture or Allocations. Allocations are used as normal course of business such as when there are agreements in place to give-up and are typically related to trades on or near trade date.

Give-up grouping allows trades that are filled at multiple prices to be collected and averaged for give-up. Average pricing itself is a "pre give-up" function. A separate workflow is needed to represent the process. When averaging has been completed, the standard Give-up or Sub-allocation process can be applied in order to distribute the average price trades.

At some exchanges (e.g. OMX and MEFF) the process involves creating an average price trade which is moved to a transfer account from which the trade is given out. Eurex requires that the average pricing take place through an OTC process since official exchange trades cannot be altered.

This gap analysis covers the business needs to enhance the allocations messaging to include new identifiers and instructions for automated grouping of allocations and average pricing.

Firms may indicate several IDs including FirmGroupId, FirmMnemonic, and AvgPxGroupId to automate grouping of allocations. AllocGroupId is used by a central counter party to assign an identifier to allocations of trades for the same instrument traded at the same price.

Firms may also indicate if a specific allocation should not be rolled up by specifying an allocation rollup instruction. When the clearing system receives an allocation Instruction with multiple allocation blocks targeting the same take up-firm and account, it totals the allocation quantity and sends one notification to the take up firm for the total quantity. This will be the default behavior. Firms may indicate to the clearing system that the allocation quantities (specified in an allocation block) not be totaled together, or rolled up, even if it is targeting the same firm and account. To support this function a new field, AllocationRollupInstruction (TBD) is proposed.

Today, an Executing Firm indicates the specific trades to group together by marking them for average pricing in the Trade Capture Report (e.g. TradeAllocIndicator(826) = 1 and AvgPxIndicator(819) = 1) and specifying the ID in TradeLinkID (820). Trades marked with the same ID will be grouped together for allocation. The CCP will acknowledge the change to the group using the Allocation Instruction Alert message, and the AvgPxGroupID field will contain the same value the Executing Firm specified in TradeLinkID. It is suggested that future changes to the Trade Capture Report add AvgPxGroupID to that message, so TradeLinkID no longer needs to be used for this purpose.

2.3.2 Re-opening an Average Price Group

When the grouping of trades for average price allocation is complete, the Executing Firm will complete the group by sending an AllocationInstruction with AllocType = 13 (Complete). The CCP acknowledges this to the Executing Firm with an AllocationInstructionAlert that will have AllocType = 13 (Complete).

The Executing Firm needs to be able to re-open the completed group, such as to add or remove trades, and the CCP needs to be able to acknowledge that the group is now open. Another AllocType = 15 (Re-open Group) is required for this purpose.

Note: A group is eligible to be re-opened cannot have any allocations associated to the group. This implies that the group has never been allocated or all allocations have been deleted or that any allocations that have been claimed have been reversed and deleted.

2.3.3 Cancelling an Average Price Group

An Executing Firm may assign many trades to a single average price group. Should the Executing Firm make a mistake, the process of removing each and every trade from the average price group would consume time and bandwidth. The Executing Firm needs an efficient method to delete a group, which will also unmark all trades from that group. This is accomplished through AllocType = 16 (Cancel Group).

2.4 Global Clearing House Processing

In order to more fully support the processing of Global Clearing Houses, there are additional identifiers required to be incorporated into the allocation message structures. These include text fields and mnemonics that are supplied by the firms - A FirmMnemonic is an Identifier assigned by the Firm submitting the allocation for an individual allocation instruction (as opposed to the overall message level identifier). FirmAllocText (and associated encoded fields) is part of the initial message but is not carried forward and preserved with the transaction.

2.5 Minor Requests and Repairs

The description for the field AllocNoOrdersType is incorrect. The correct description should be:

“Indicates how the orders being booked and allocated by this message are identified, e.g. by explicit definition in the OrdAllocGrp or ExecAllocGrp components, or not identified explicitly.”

AllocationInstructionAlert is sent by CCP to indicate the status of a group. Inclusion of AllocStatus as an optional field in this message is requested for functionality that should have been incorporated into the specification from the start and is essentially missing functionality in the current specification.

2.6 Group and Remaining Quantities

At a 2009 meeting of the FIA PTWG, it was determined that on an Allocation Instruction Alert, Quantity would represent the transaction quantity, not the total quantity. When adding a trade to a group, Quantity would equal the quantity of the trade being added. When removing a trade from a group, Quantity would be negative, and would equal the volume subtracted. When performing an operation that does not change the group quantity, such as indicating that an incomplete group is completed, Quantity would be 0.

Two new optional fields are proposed for the Allocation Instruction Alert message:

- AllocGroupQuantity (1736) – to indicate the total volume of the group. Note that the act of partially or fully allocating the group doesn't change AllocGroupQuantity,
- AllocGroupRemainingQuantity (1737) – to indicate the quantity of the group that has not been allocated.

These two new fields is also proposed to be added to the Allocation Report message to indicate the total and remaining quantity of the group of which this allocation is a part.

As an example:

A trade was marked for give-up that was 100 lots, which will cause the creation of an Allocation Instruction Alert message (if it was the first trade to create the group.) The fields in the message from the clearinghouse would be Quantity=100, AllocGroupQuantity=100 and AllocGroupRemainingQuantity=100. Another trade is allocated that has the same group criteria for 75 lots. The resulting Allocation Instruction Alert message will have Quantity=75, AllocGroupQuantity=175 and AllocGroupRemainingQuantity=175. If the give-up firm unmarks the 75 lot trade, then the Allocation Instruction Alert message will populate the quantity fields as follows: Quantity="-75", AllocGroupQuantity=100 and AllocGroupRemainingQuantity=100. The negative quantity indicates that this transaction caused a reduction in the group. The Trade ID of the trade that caused the event, either being added or removed, is included in the ExecAllocGrp (AllExc) component.

Consider the group stands at 100 and the give-up firm allocates 25 to Firm B. The give-up firm receives an AllocationReport with Quantity=25 (the quantity being given up with this allocation), AllocGroupQuantity=100 (indicating 100 total in the group) and AllocGroupRemainingQuantity=75 (the remaining quantity of the group yet to be allocated.) The take-up firm is sent an AllocationReport with just the Quantity=25 amount. There is no need for them to see the group quantity and remaining quantity.

3 Issues and Discussion Points

3.1 Grouping Trades or Executions

There are two mutually exclusive needs for grouping trades and executions. One grouping mechanism is required to force an average pricing for an instrument that is traded or executed at different prices with the ultimate goal of average price processing. Thus is the need for a new field to identify the average price group. The other mechanism is required to group trades of the same instrument, price (and party) for post trade processing. Thus is the need for providing a mechanism for grouping allocations either set by the firm or set by the CCP. All of these needs are separate requirements and cannot be supported with a more generic approach.

3.2 Re-opening Groups

After a group has been completed or closed, there should be a mechanism to re-open the group in specific circumstances for additional processing. The recommendations on how to support this need include adding a new AllocTyp enumeration to indicate a request to re-open the group. Other common practice includes simply sending an AllocationInstruction with an AllocTyp of 12 (Incomplete).

3.3 Specifying a reason for the AllocStatus

To be discussed: There appears to be a need for needing to specify the reason for the AllocStatus, especially when it is being reported by the Clearinghouse out to the members.

There is currently a field called AllocCancReplaceReason (tag 792) this field is specifically used when AllocTransType is either "cancel" or "replace", providing a reason for cancelling or replacing. This field is used in both the AllocationInstruction and AllocationReport messages.

Question for the group: Is AllocCancReplaceReason sufficient? Do we need a new field "AllocStatusReason" to qualify or elaborate on the reason for the AllocStatus value? For example, when the Clearinghouse sends a message out with the new AllocStatus="cancelled by intermediary" to cancel any unclaimed allocations at the end of the day, does the Clearinghouse send the message out with AllocTransType="cancel" or "new"?

Resolution: after completing the flow diagrams, it appears there may not be a need to have a new field to specify a reason for the AllocStatus. When the Clearinghouse cancels any unclaimed give-up at the end of the take, the Clearinghouse's AllocationReport out to the firms will use AllocTransType="new" with the AllocStatus="cancelled by intermediary" - i.e. the allocation instruction as an "entity" in the Clearinghouse has been cancelled by the clearinghouse.

3.4 Proposed clean up

The following is proposed clean up items for consideration:

1. deprecate from AllocTransType the enumeration value "reversal" - reversals are handled via the use of AllocType and not the AllocTransType. This value should be depreciated to avoid misuse and confusion
2. errata the AllocationReport message to remove usage comment from RefAllocID - currently in the AllocationReport table there is a usage comment associated with RefAllocID that appears to be a cut/paste error. In the AllocationReport message when AllocTransType is cancel or replace, it is the AllocReportRefID that is conditionally required. The RefAllocID is a field that is controlled by the AllocationInstruction message and would be echoed back if it was provided in an AllocationInstruction message.
3. clarifying for clearinghouse use the AllocStatus value "6" (allocation pending) to add to the short description so that the description reads
 - 6 = allocation pending (take-up)
4. deprecate from AllocType the following values as they are not considered an "allocation type":
 - 9 = accept
 - 10 = reject
 - 11 = accept pending
 - 14 = reversal pending
5. deprecate from AllocReportType the following values as they are considered an "allocation type":
 - 9 = accept
 - 10 = reject

- 11 = accept pending
- 12 = complete
- 14 = reverse pending

3.5 PartyRole

The PartyRole enumeration list contains many party roles today. However, it is unclear how the proposed post-trade clearing models' parties should be mapped. Presently we have the following list of roles that maybe applicable:

- 1 - Executing Firm (formerly FIX 4.2 ExecBroker)
- 4 - Clearing Firm (formerly FIX 4.2 ClearingFirm)
- 14 - Giveup Clearing Firm (firm to which trade is given up)
- 15 - Correspondant Clearing Firm
- 16 - Executing System
- 17 - Contra Firm
- 18 - Contra Clearing Firm
- 20 - Underlying Contra Firm
- 21 - Clearing Organization
- 25 - Correspondent Clearing Organization
- 26 - Correspondent Broker
- 81 - BrokerClearingID

The party roles that have been referenced throughout this proposal include:

- Give-up (Trading) Firm
- Take-up (Trading) Firm
- Give-up Clearing Firm
- Take-up Clearing Firm
- Clearinghouse

To standardize the mapping of these roles, the table below is an attempt to clarify this mapping. Up for discussions are:

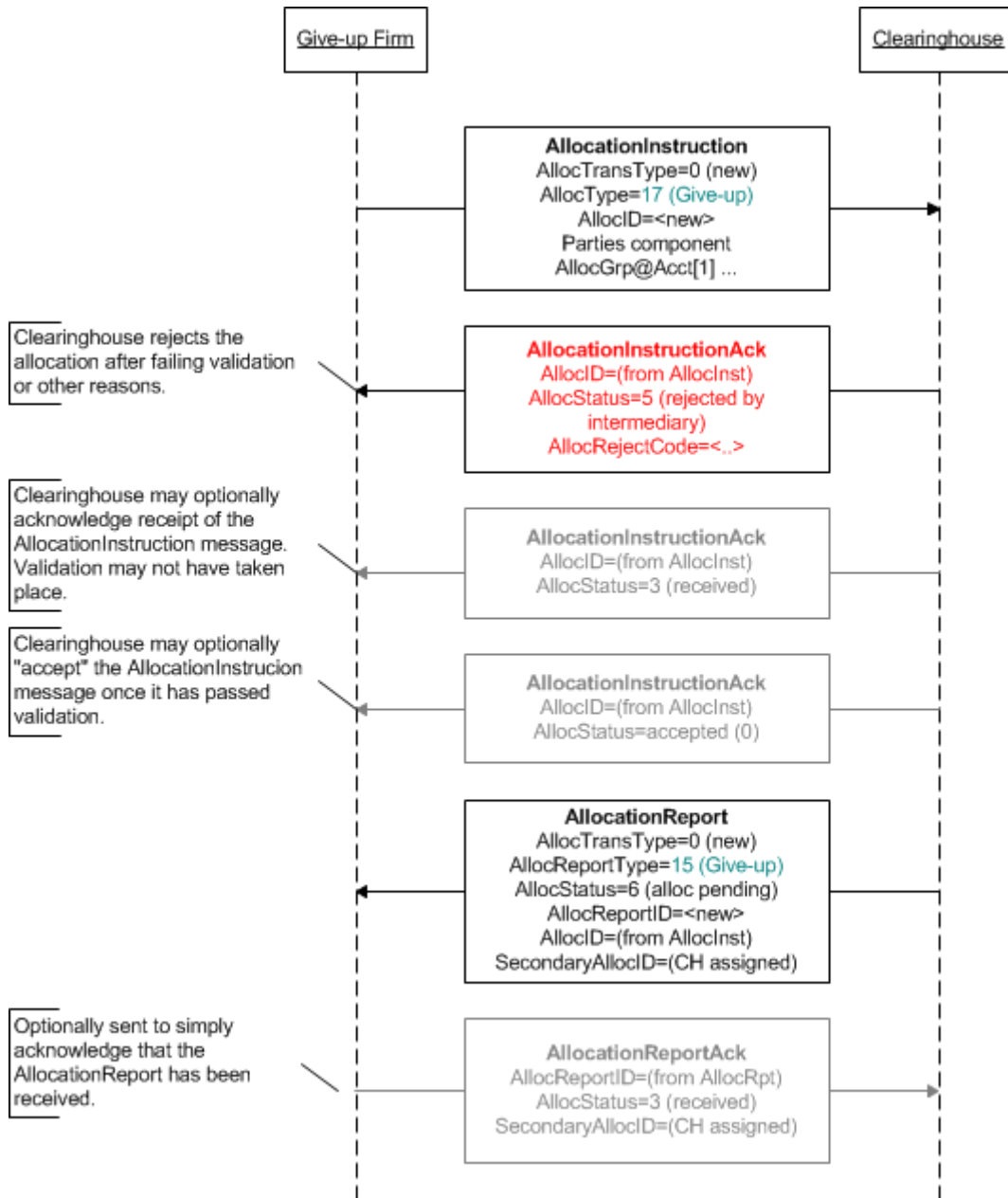
1. change either the enum name for 14=GU Clearing Firm (firm to which trade is given up) or change the description in parenthesis or deprecate
2. add new values to cover the other roles

Resolution: at the in-person meeting in London on June 6 and 7, it was discussed that it would be cleaner to introduce discrete party roles for Give-up (Trading) Firm, Take-up (Trading) Firm, Give-up Clearing Firm, and Take-up Clearing Firm. And deprecate the value "14=GU Clearing Firm (firm to which trade is given up)"

4 Proposed Message Flow

4.1 Usage of AllocationInstructionAck and AllocationReportAck

Figure 3: Usages of AllocationInstructionAck



The diagram above illustrates optional usage of the AllocationInstructionAck message sent by the Clearinghouse and AllocationReportAck received by the Clearinghouse.

When the Clearinghouse has a need to reject an inbound AllocationInstruction the AllocationInstructionAck message must be used, with a rejection reason provided. Usage of the AllocationInstructionAck message for acknowledging receipt of a message or acceptance of a message is optional.

The receipt of an AllocationReport message may optionally acknowledge the receipt of an AllocationReport by sending an AllocationReportAck message. This usage serves to simply notify the Clearinghouse that the message has been received.

The following AllocStatus enumerations is used only in the AllocationInstructionAck message:

- accepted (0) - indicates that the Clearinghouse has validated the AllocationInstruction and has accepted the message for further processing. An AllocationReport will follow.
- received (3) - indicates that the Clearinghouse has received the AllocationInstruction but has not validated the message.
- rejected by intermediary (5) - indicates that the Clearinghouse has validated the AllocationInstruction message and is rejecting it for the reasons provided in the message.

The following AllocStatus enumeration is used only in the AllocationReportAck message:

- received (3) - indicates to the Clearinghouse that the sender has received the AllocationReport

Although the diagram above only illustrates the flows between a Give-up Firm and the Clearinghouse, the messages can be used between the Clearinghouse and other participants as appropriate within the message flows.

4.2 2-Party Process Message Flow Models

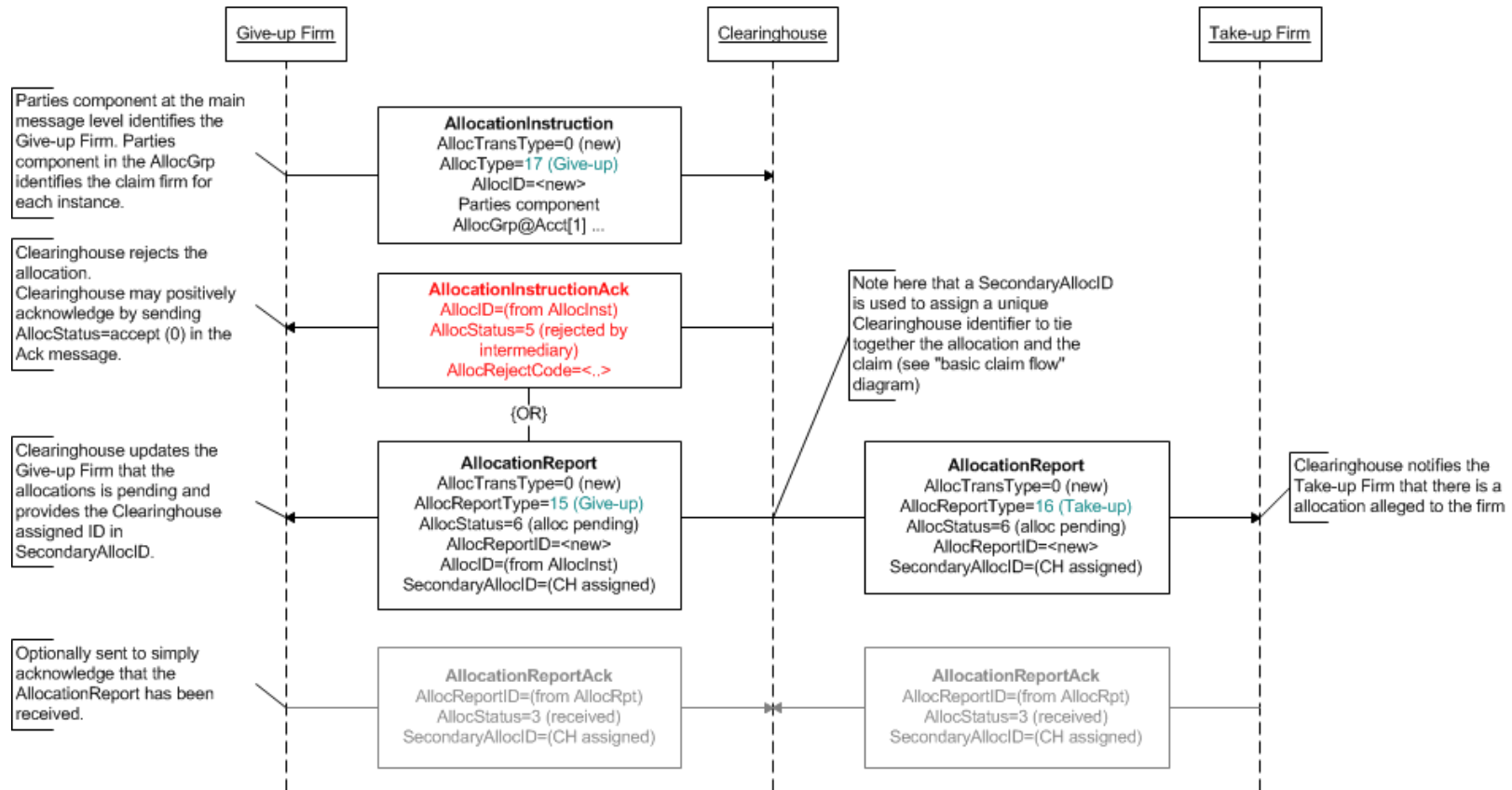
The following diagrams are the 4-party flow diagrams, illustrating the various workflows and the FIX messages uses to support those workflows.

As described in Section 2.1.2, the 2-party process model involves the following roles: Clearinghouse, Give-up Firm and Take-up Firm. The Clearinghouse serves as the central facilitator and arbiter of the state of the give-up/take-up.

Also documented in this section are the message flows for "reversing" the give-up/take-up. This is a process by which a completed give-up/take-up transaction can be reversed by either the Give-up Firm or Take-up Firm.

4.2.1 Basic Allocation Give-up Initiation

Figure 4: Basic Give-up Initiation: 1-to-1



1:Basic allocation/give-up flow: 1-to-1

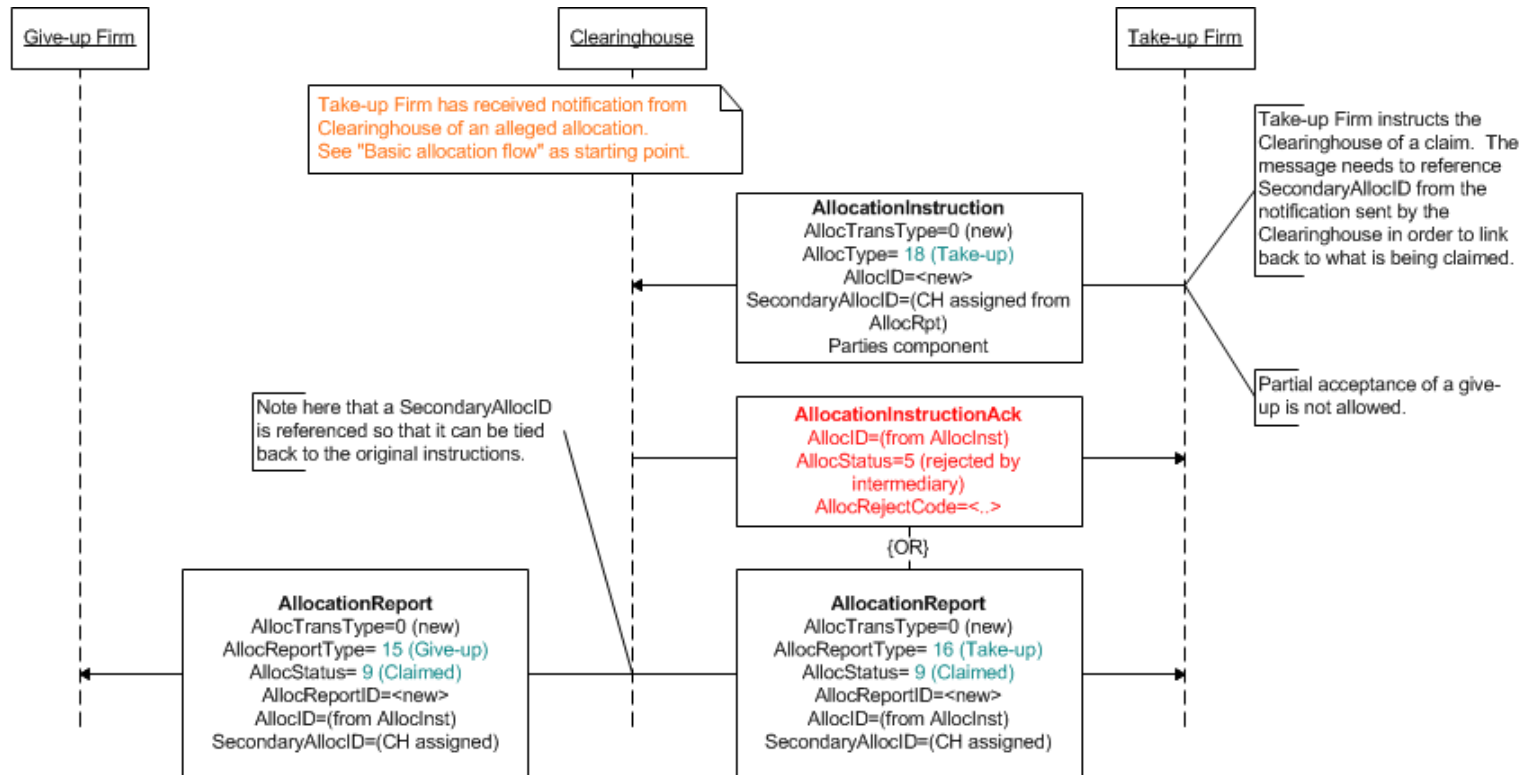
The diagram above illustrates the initiation of the give-up process.

When the Clearinghouse notifies, via the AllocationReport, the Give-up Firm and Take-up Firm of the pending allocation, the AllocReportType is reflective of the firms' perspective. A Give-up Firm would never receive an AllocReportType of "take-up". This allows for differentiation of roles a single firm is in if they are doing both give-up and take-up transactions.

In the AllocationInstruction the Give-up Firm will always instruct the Clearinghouse with an AllocType of "give-up" while the Take-up Firm will always instruct the Clearinghouse with an AllocType of "take-up". The latter is illustrated in the next section.

4.2.2 Allocation Give-up/Take-up Claim

Figure 5: Allocation Give-up/Take-up Claim



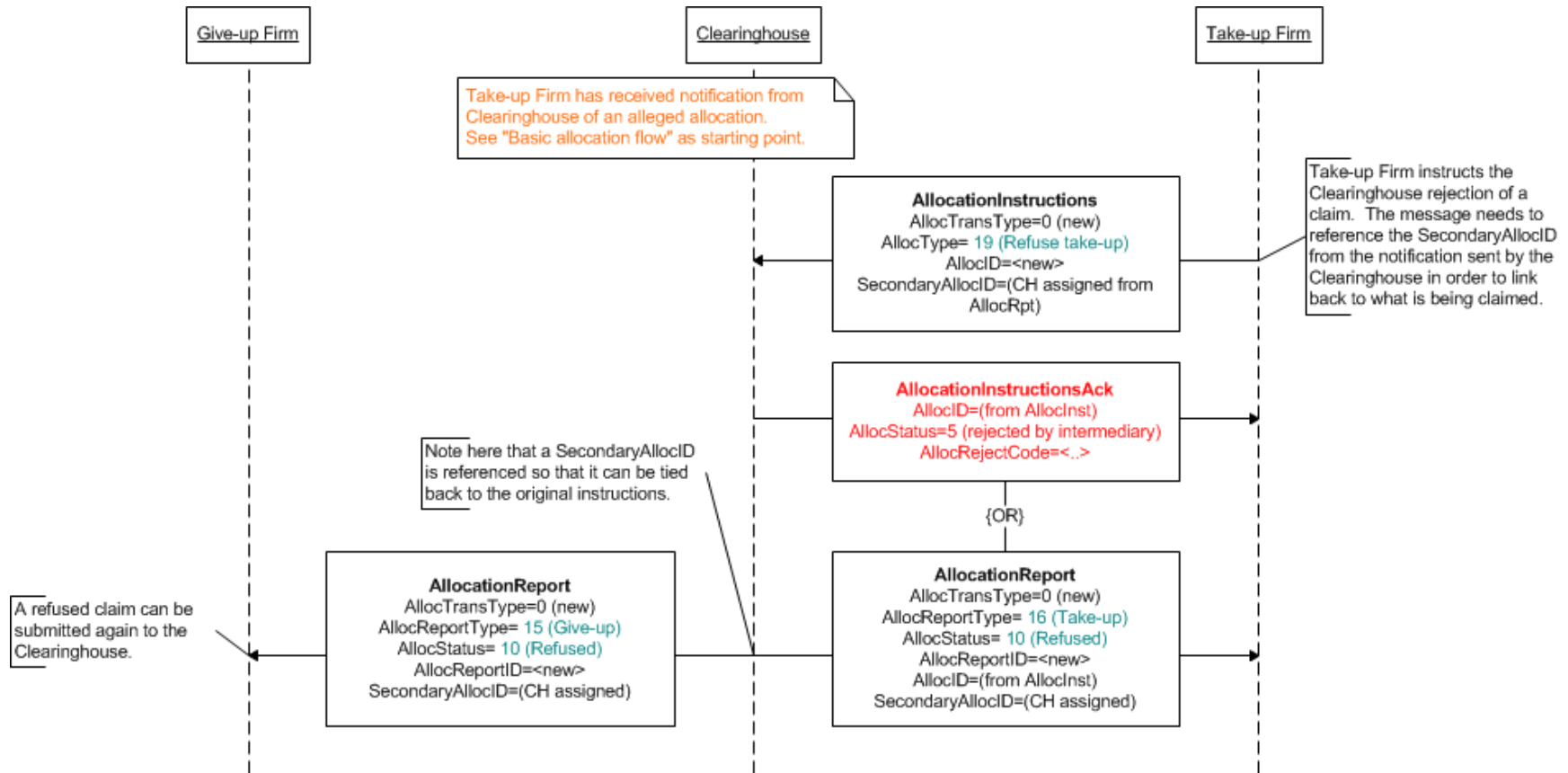
2:Basic claim acceptance flow: 1-to-1

The diagram above illustrates a completed take-up by the Take-up Firm.

Once the Take-up Firm has instructed the Clearinghouse on the take-up, the Clearinghouse updates both parties of the status. The instruction from the Take-up Firm must reference the unique ID provided by the Clearinghouse in the pending allocation notification message. This unique ID may be found in the SecondaryAllocID (793) or SecondaryIndividualAllocID (989) - depending on the Clearinghouse's implementation.

4.2.3 Refused Take-up

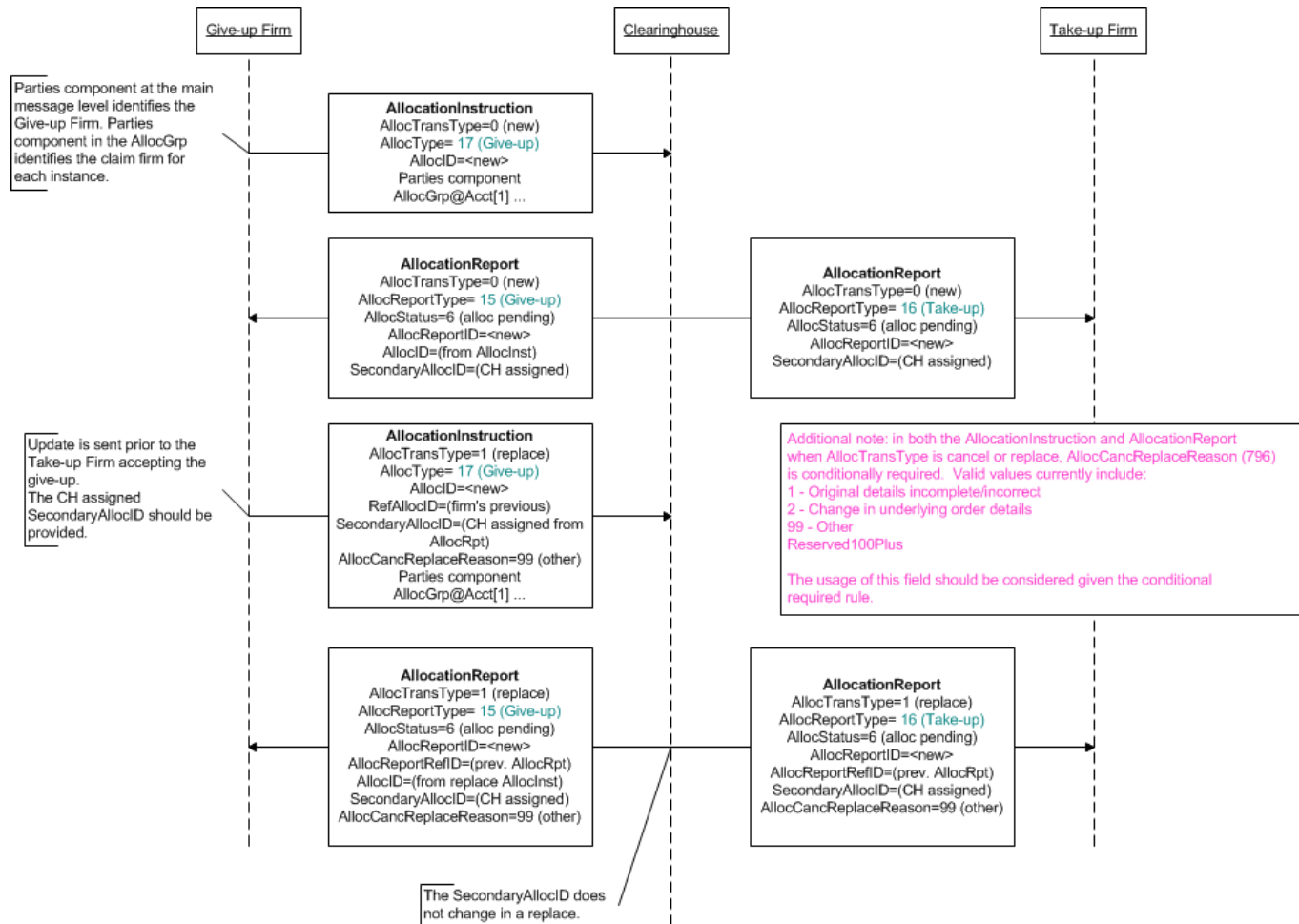
Figure 6: Refused Take-up



The diagram above illustrates the Take-up Firm refusing an allocation that was pended against them.

4.2.4 Pre-claim Amendment

Figure 7: Pre-claim amendment of give-up instructions

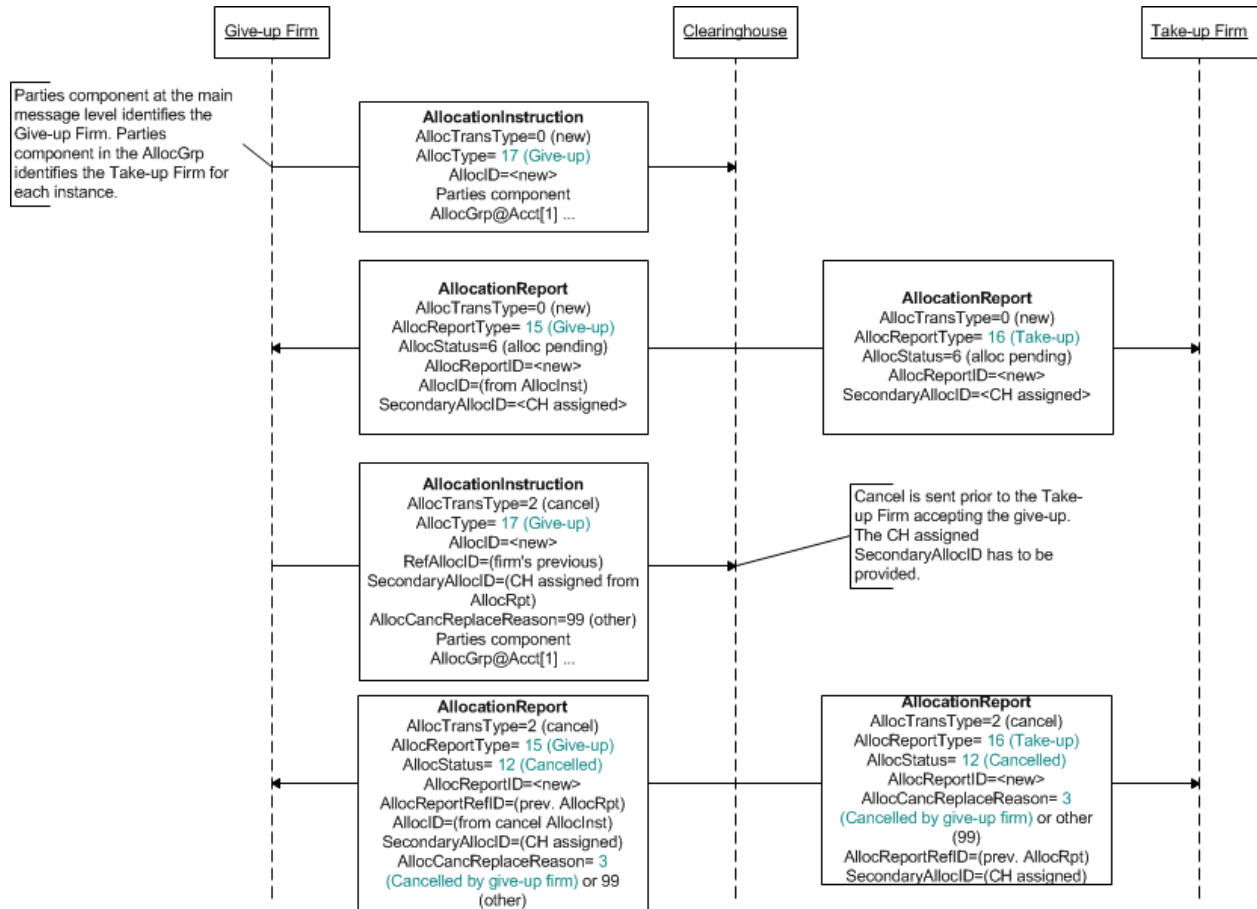


The diagram above illustrates an amendment to the give-up instructions by the Give-up Firm prior to a claim of the take-up by the Take-up Firm. Depending on the nature of the change the Clearinghouse may or may not notify the Take-up Firm of the changes.

In the AllocationInstruction and AllocationReport messages there is a conditionally required field, AllocCancReplaceReason (796) that is required when AllocTransType is "cancel" or "replace. This field should be used to identify the reason for the cancellation or amendment.

4.2.5 Pre-claim Cancellation

Figure 8: Pre-claim cancel of allocation instructions

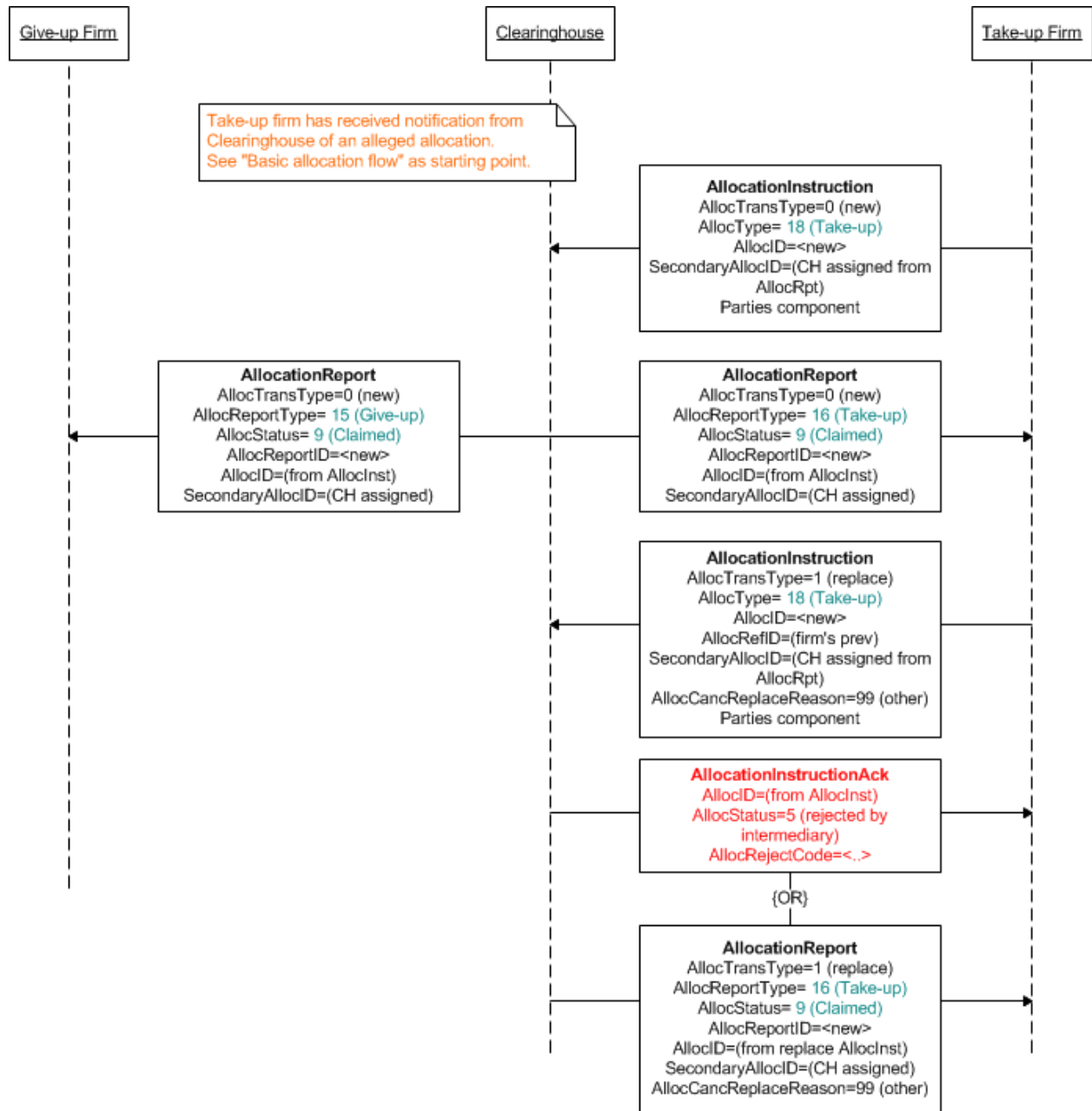


The diagram above illustrates a cancellation of a prior give-up instructions by the Give-up Firm prior to a claim of the take-up by the Take-up Firm. It is possible for the cancellation request to fail if the Take-up Firm claims the take-up simultaneously. In this case the Clearinghouse should reject the cancellation via the AllocationInstructionAck message.

In the AllocationInstruction and AllocationReport messages there is a conditionally required field, AllocCancReplaceReason (796) that is required when AllocTransType is "cancel" or "replace". This field should be used to identify the reason for the cancellation or amendment.

4.2.6 Update to Claimed Allocation

Figure 9: Claimed allocation update

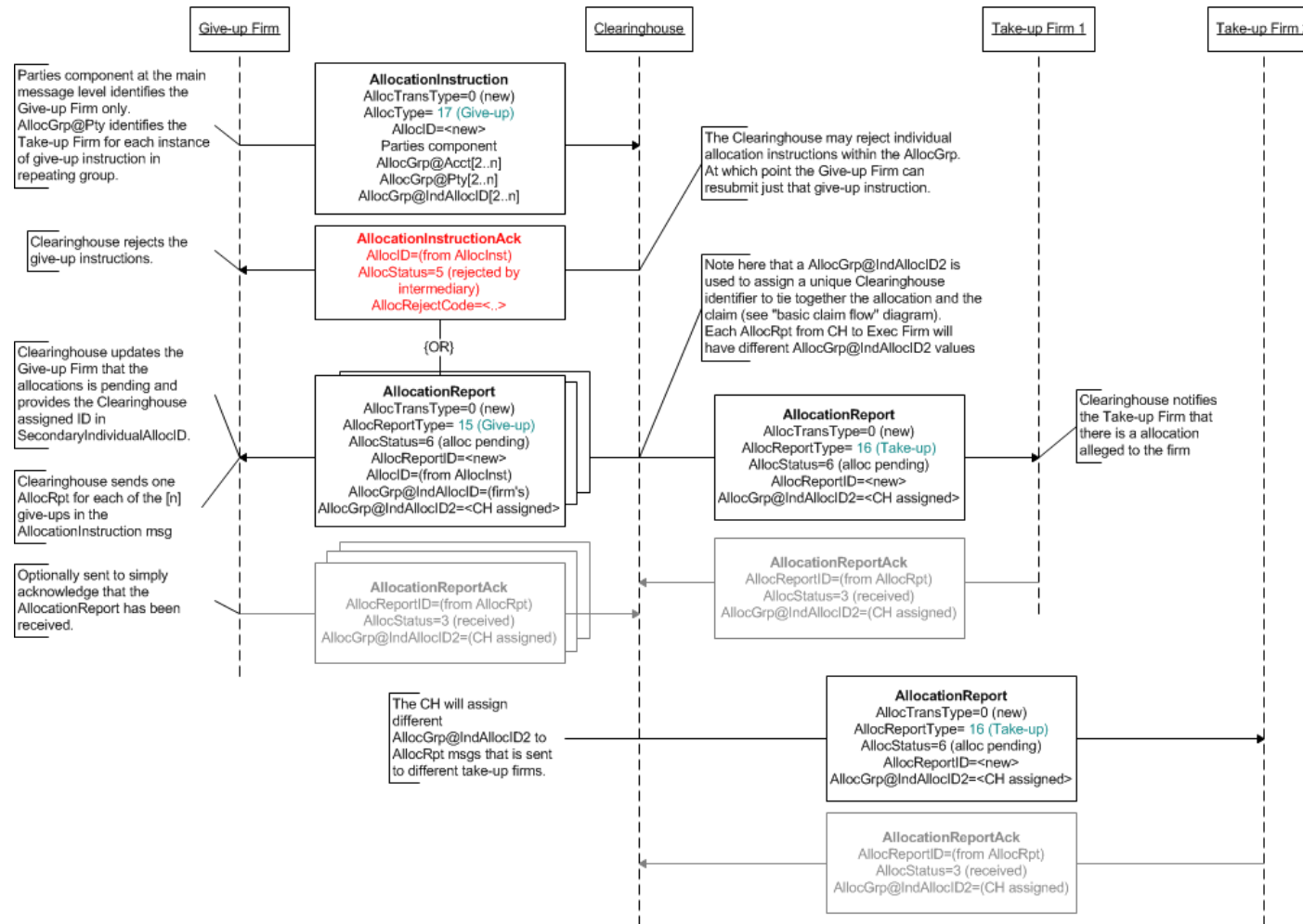


The diagram above illustrates an amendment being made to a previously claimed take-up.

As the take-up has already been claimed, Clearinghouses typically restrict what information can be amended. These amendments are not communicated to the Give-up Firm as it should not affect financial terms. Note that the AllocStatus reported by the Clearinghouse to the Take-up Firm after the amendments are successfully applied remains as "claimed" as the status of the take-up has not changed.

4.2.7 Basic Allocation Initiation: 1-to-n

Figure 10: Basic allocation give-up/take-up for 1-to-n model



The diagram above illustrates the 1-to-n allocation model as discussed in Section 2.1.1.

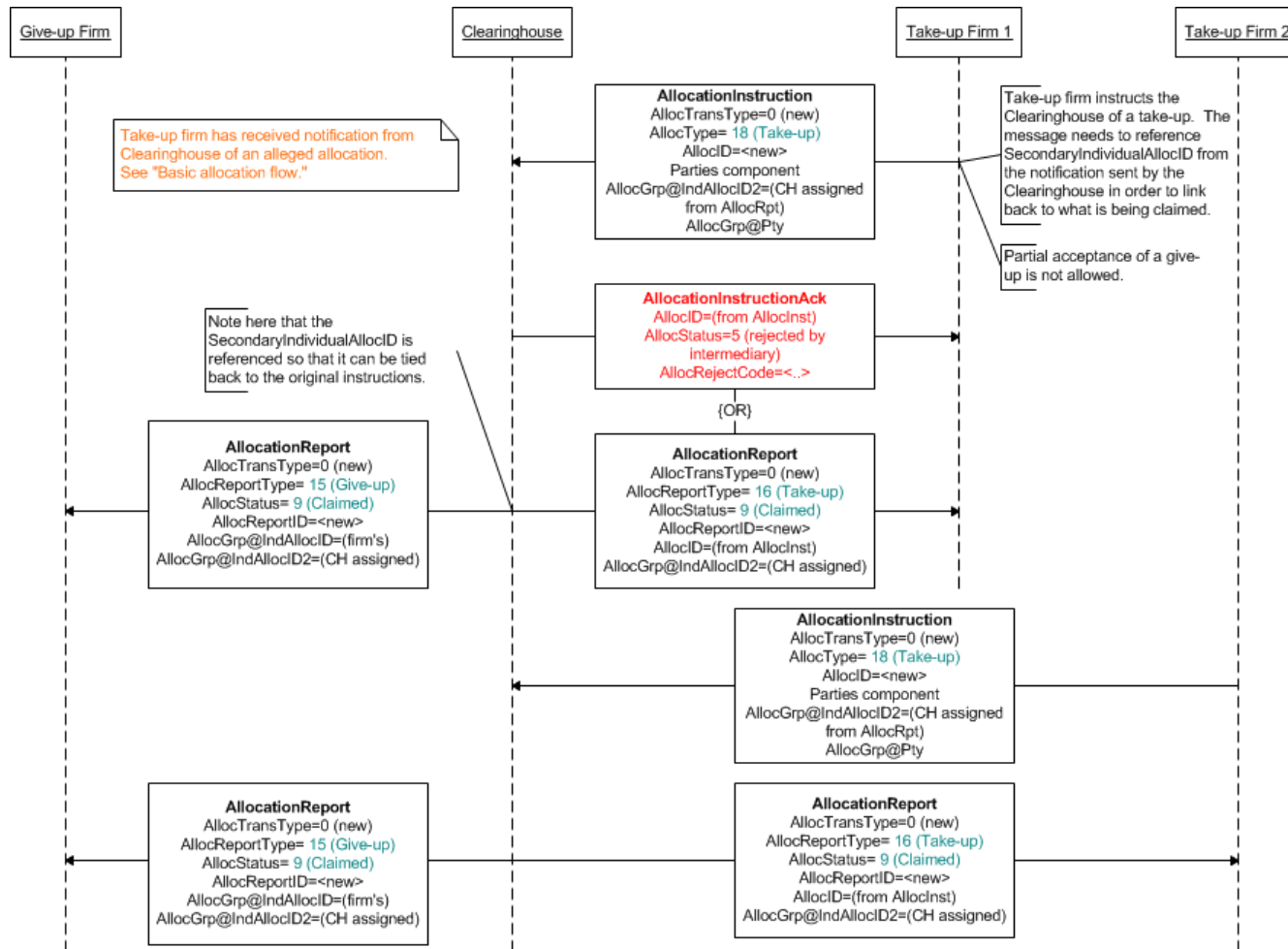
In this model an AllocationInstruction may contain give-ups to more than one Take-up Firm. When the Clearinghouse receives this the instruction is broken up and identified individually via the SecondaryIndividualAllocID. The Give-up Firm would receive a separate AllocationReport for each instruction within the AllocationInstruction.

Individual AllocationReport messages will be sent to the Take-up Firms with the Clearinghouse assigned unique identifier in SecondaryIndividualAllocID. Take-up Firms will need to refer to this ID in their AllocationInstruction messages.

There cannot be more instructions from Take-up Firms than there are allocation pending AllocationReports from Clearinghouse to Take-up Firms.

4.2.8 1-to-n Take-up Claimed

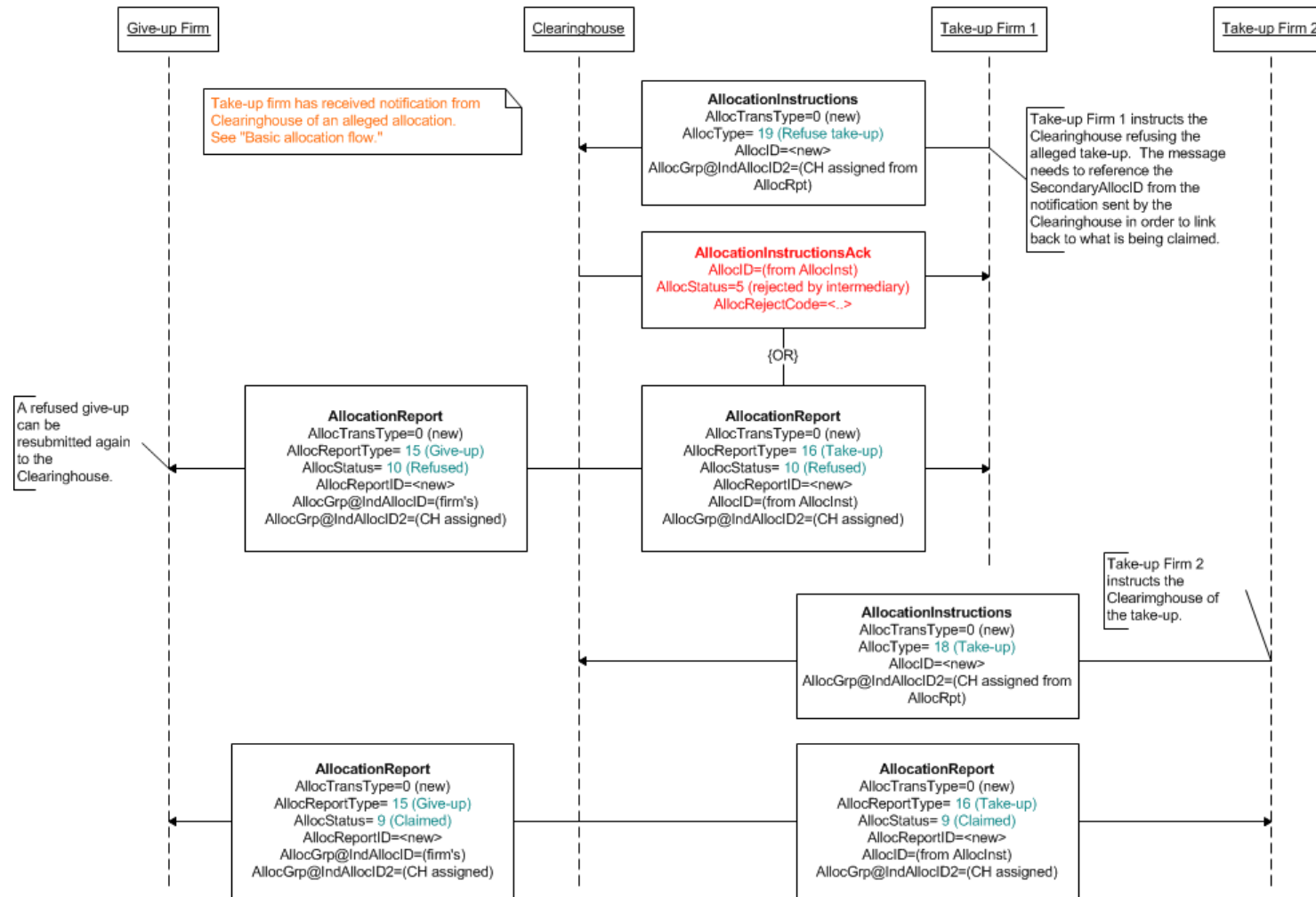
Figure 11: 1-to-n claim



The diagram above illustrates the take-up of pending allocations by the Take-up Firms in the 1-to-n model.

4.2.9 1-to-n Refused Take-up

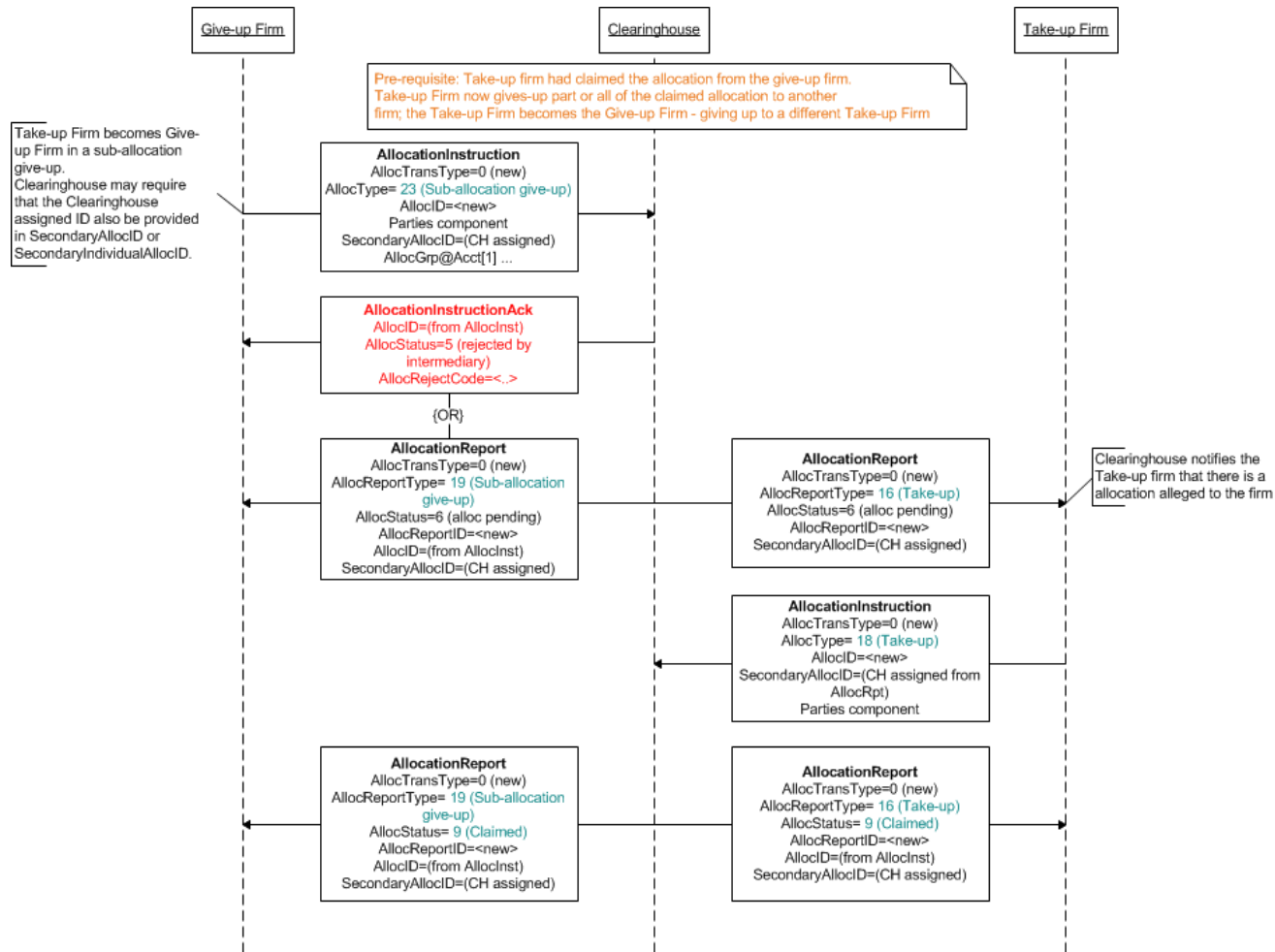
Figure 12: 1-to-n Refused Take-up



The diagram above illustrates one Take-up Firm refusing the pending allocation while the other Take-up Firm takes-up the give-up.

4.2.10 Sub-allocation

Figure 13: Sub-allocation of claimed allocation

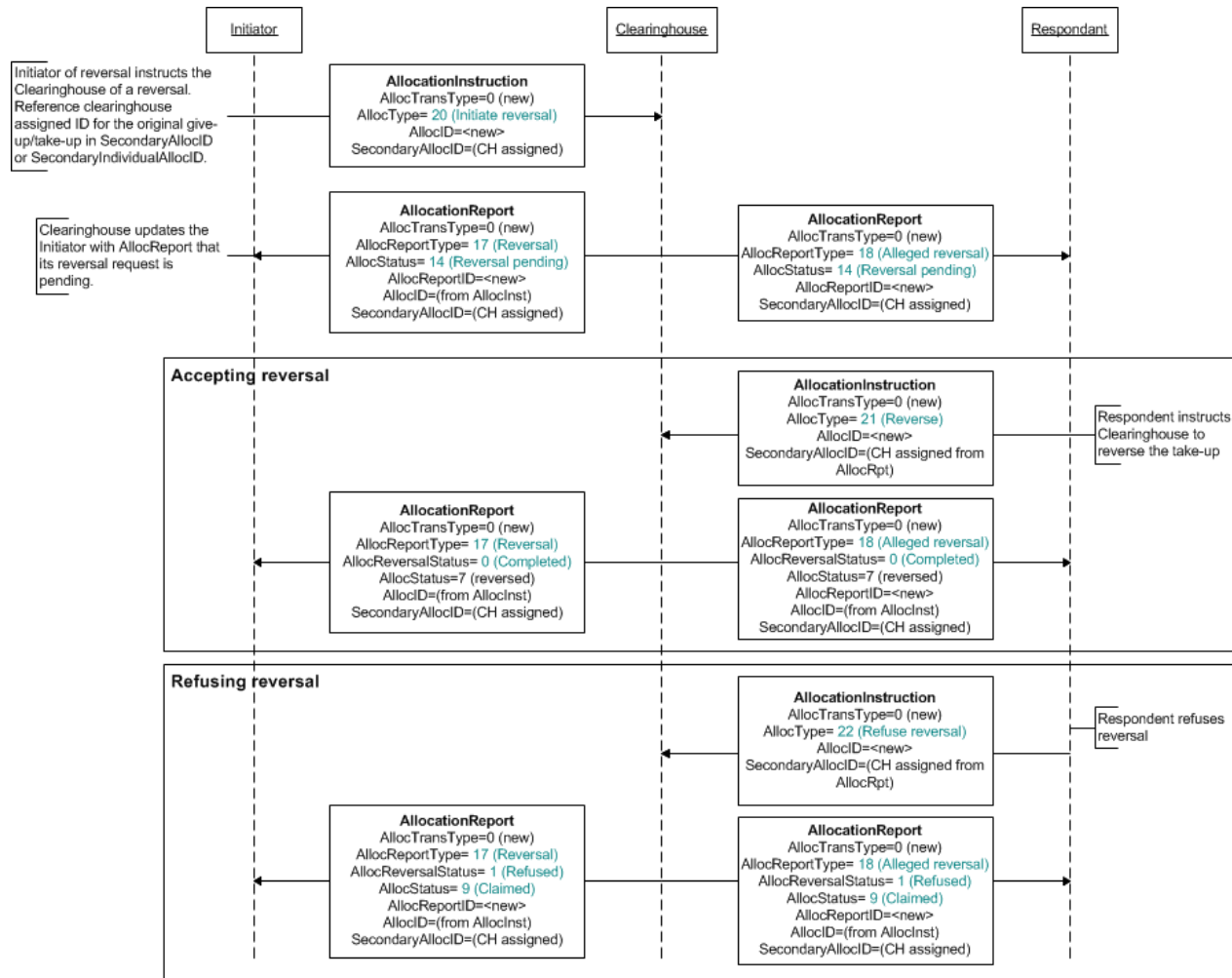


The diagram above illustrates a sub-allocation of a claimed give-up. In this scenario, the Take-up Firm had previously claimed a give-up/take-up allocation from the Give-up Firm as shown in Sections 4.2 and 4.3. In a sub-allocation the Take-up Firm becomes the Give-up Firm, allocating all or part of a claimed take-up to

another Take-up Firm. Note in the diagram above the use of a different AllocType="sub-allocation give-up" then the original initiating give-up. For the Take-up Firm the flow is identical as the basic give-up/take-up allocation flow.

4.2.11 Reversal Initiation

Figure 14: Reversal initiation



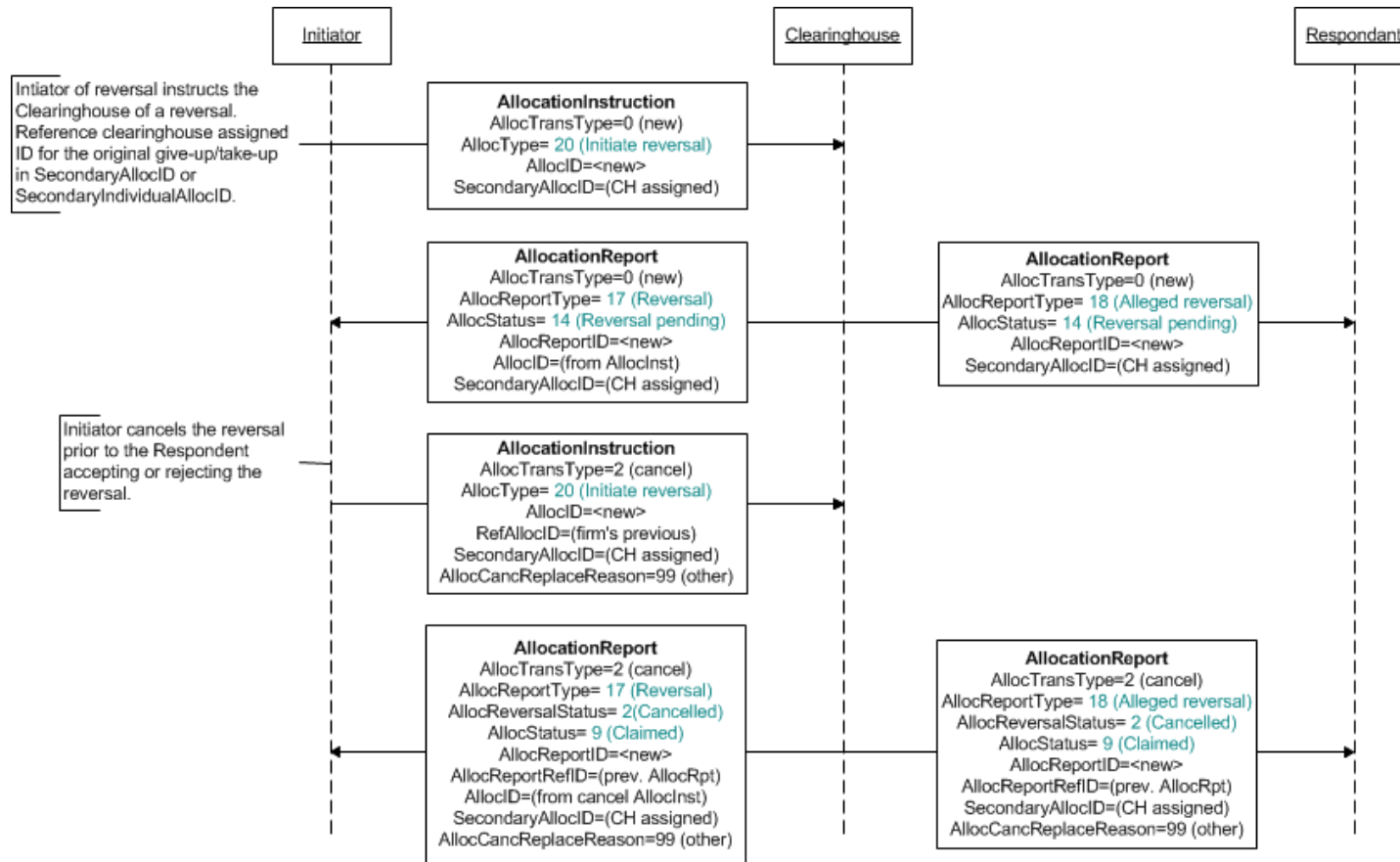
The diagram above illustrates the reversal request of a give-up/take-up flow and the accompanying acceptance and refusal of the reversal request.

A reversal can be initiated by either party in the claimed give-up/take-up. The Respondent party receives an alleged notification and responds using the AllocationInstruction message, instructing the Clearinghouse to reverse the claim or refuse the request.

It is important to note the use of an additional new field, AllocReversalStatus (1738), in the AllocationReport when the Clearinghouse updates the status. The AllocReversalStatus only conveys the status of the reversal process - whether completed or refused. This allows the AllocStatus field to continue to convey the status of the give-up/take-up allocation (i.e. "reversed" or remains in "claimed" state).

4.2.12 Cancel Reversal Request

Figure 15: Cancel Reversal Request



The diagram above illustrates a cancellation request of a previously sent reversal request that has not been acted on by the Respondent.

Note that in a successful cancellation, the AllocStatus remains in the "claimed" state as that is last state of the allocation give-up/take-up.

In the event that the Clearinghouse has received the response from the Respondent when the cancellation request is received, the Clearinghouse may reject the cancellation request from the Initiator with an AllocationInstructionAck message.

4.3 4-Party Process Message Flows

The following diagrams are the 4-party flow diagrams, illustrating the various workflows and the FIX messages uses to support those workflows.

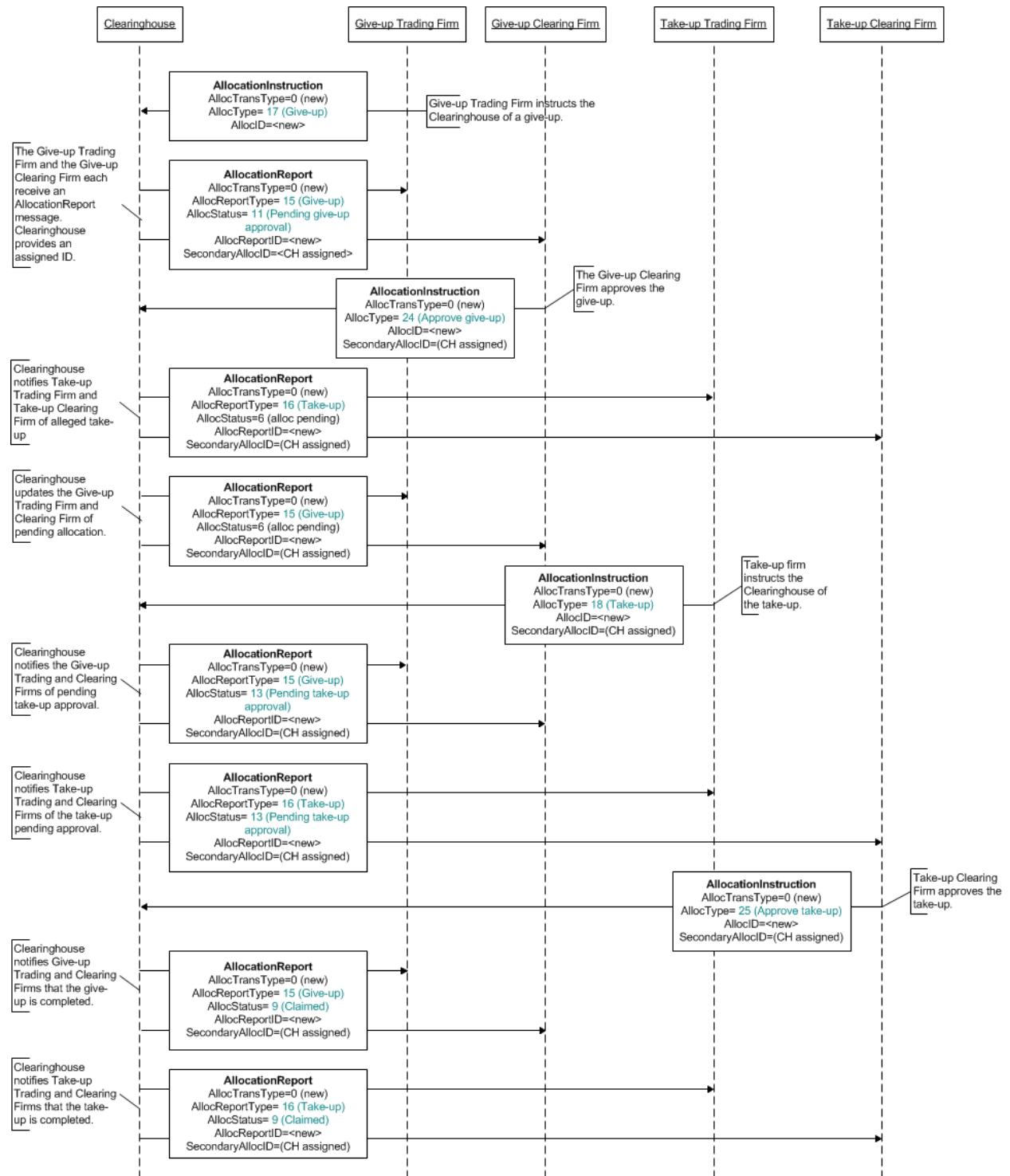
As described in Section 2.1.2, the 4-party process model involves the following roles: Clearinghouse, Give-up Trading Firm, Give-up Clearing Firm, Take-up Trading Firm and Take-up Clearing Firm. The Clearinghouse serves as the central facilitator and arbiter of the state of the give-up/take-up.

4.3.1 Basic Give-up and Take-up

In the diagram below the basic give-up and take-up process involving the Clearinghouse and 4 parties are illustrated.

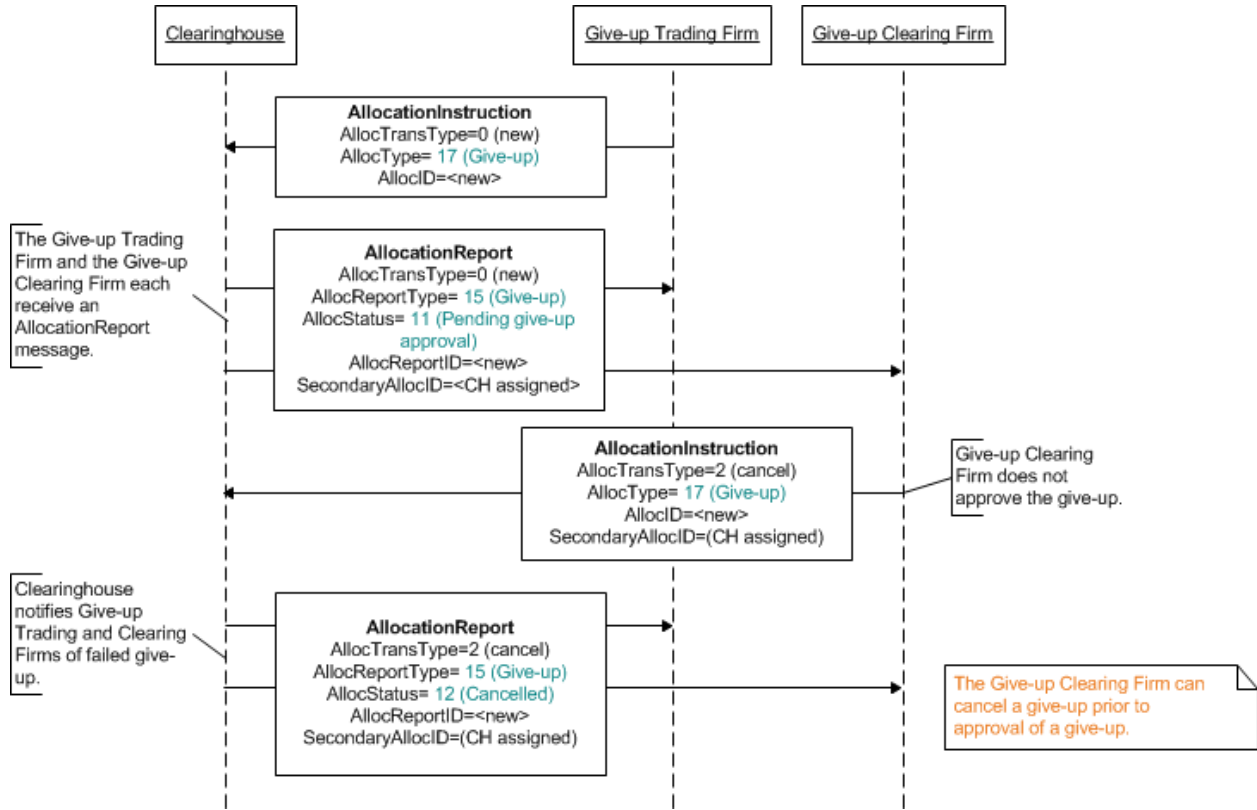
In the 4-party process model, the Give-up Trading Firm initiates the give-up, which must be "approved" by the Give-up Clearing Firm. Upon "approval" by the Give-up Clearing Firm of the intended give-up, the Clearinghouse notifies the Take-up Trading Firm and the Take-up Clearing Firm of a pending take-up. When the Take-up Trading Firm agrees to take-up the trade, the Take-up Clearing Firm is notified, who must also "approve" before the trade is considered successfully given-up. Upon this final approval, the Clearinghouse updates all parties on the status of the give-up/trake-up.

Figure 16: 4-Party basic give-up/take-up flow



4.3.1 Cancellation by Give-up Clearing Firm

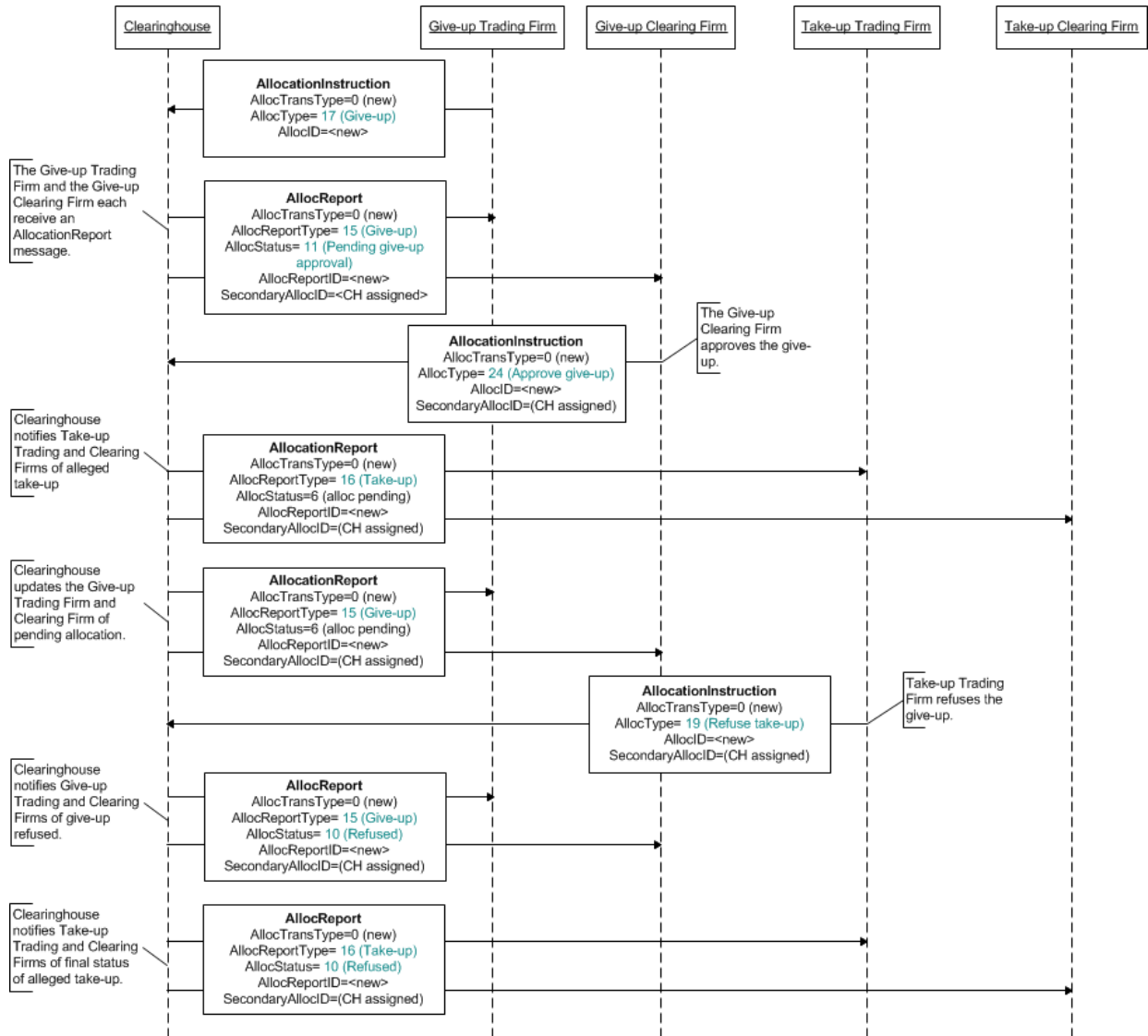
Figure 17: 4-Party Cancellation by Give-up Clearing Firm



The diagram above illustrates the workflow when the Give-up Clearing Firm does not approve of the give-up. The Give-up Clearing Firm simply "cancels" the give-up. The Give-up Trading Firm is notified of this.

4.3.2 Take-up Refused by Take-up Trading Firm

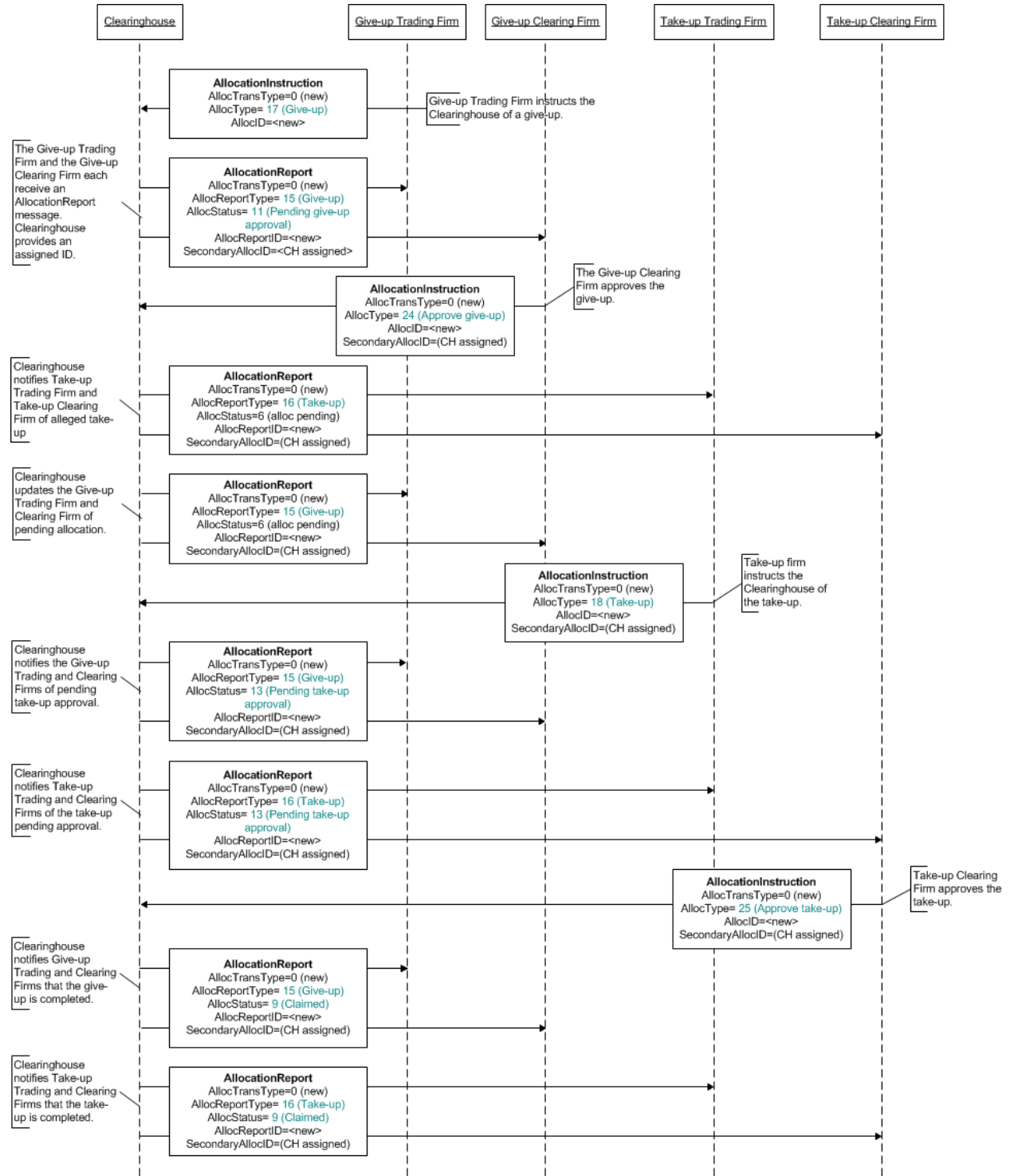
Figure 18: 4-Party Take-up refused by Take-up Trading Firm



In the diagram above the Take-up Trading Firm has refused the pending take-up. The Clearinghouse notifies all parties of the status.

4.3.3 Take-up Refused by Take-up Clearing Firm

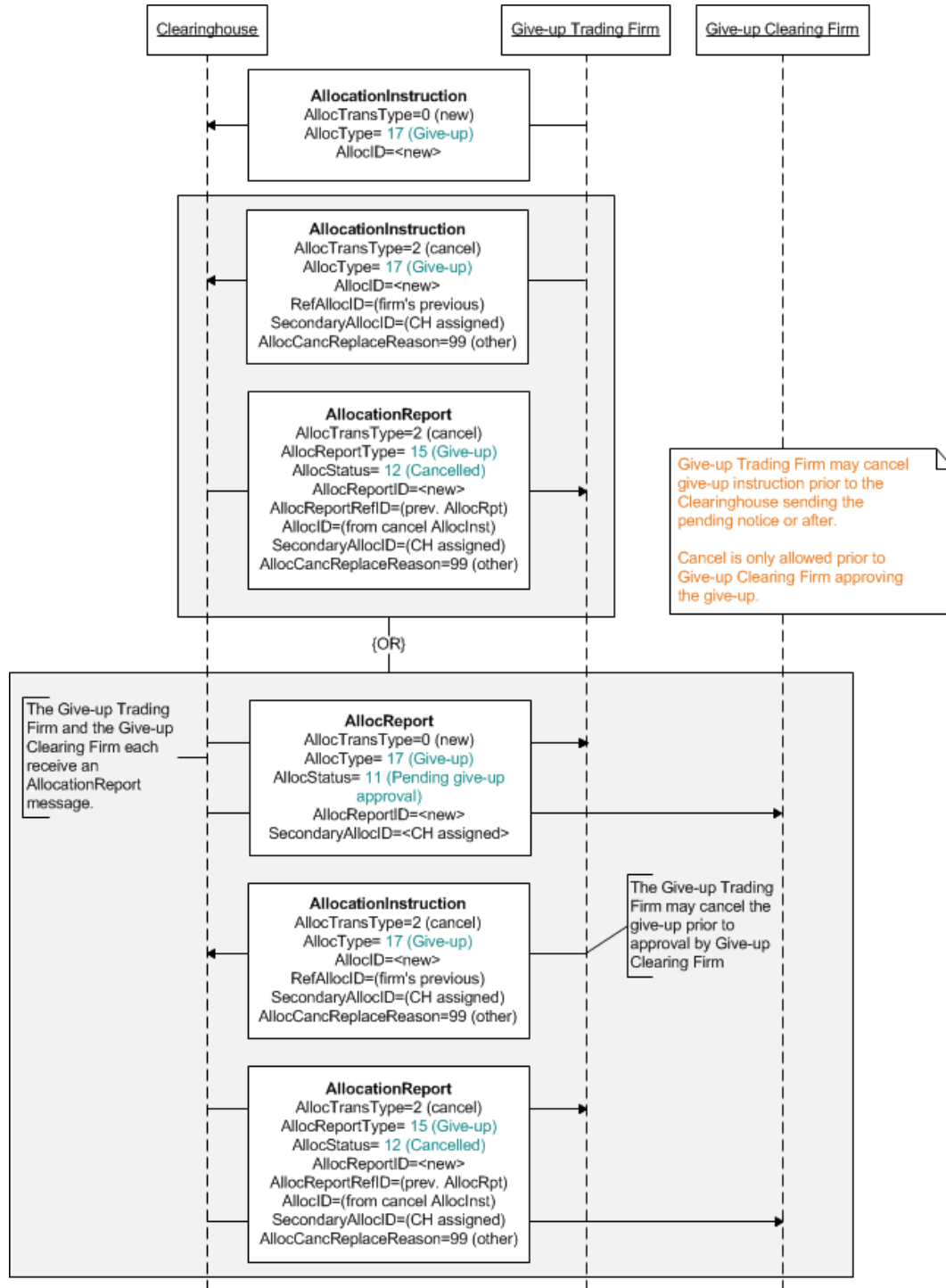
Figure 19: 4-Party Take-up Refused by Take-up Clearing Firm



In the diagram above the Take-up Clearing Firm has refused the take-up, overriding the Take-up Trading Firm's agreement to take-up the trade allocation. The Clearinghouse notifies all parties of the status.

4.3.4 Cancellation by Give-up Trading Firm

Figure 20: 4-Party Cancellation by Give-up Trading Firm



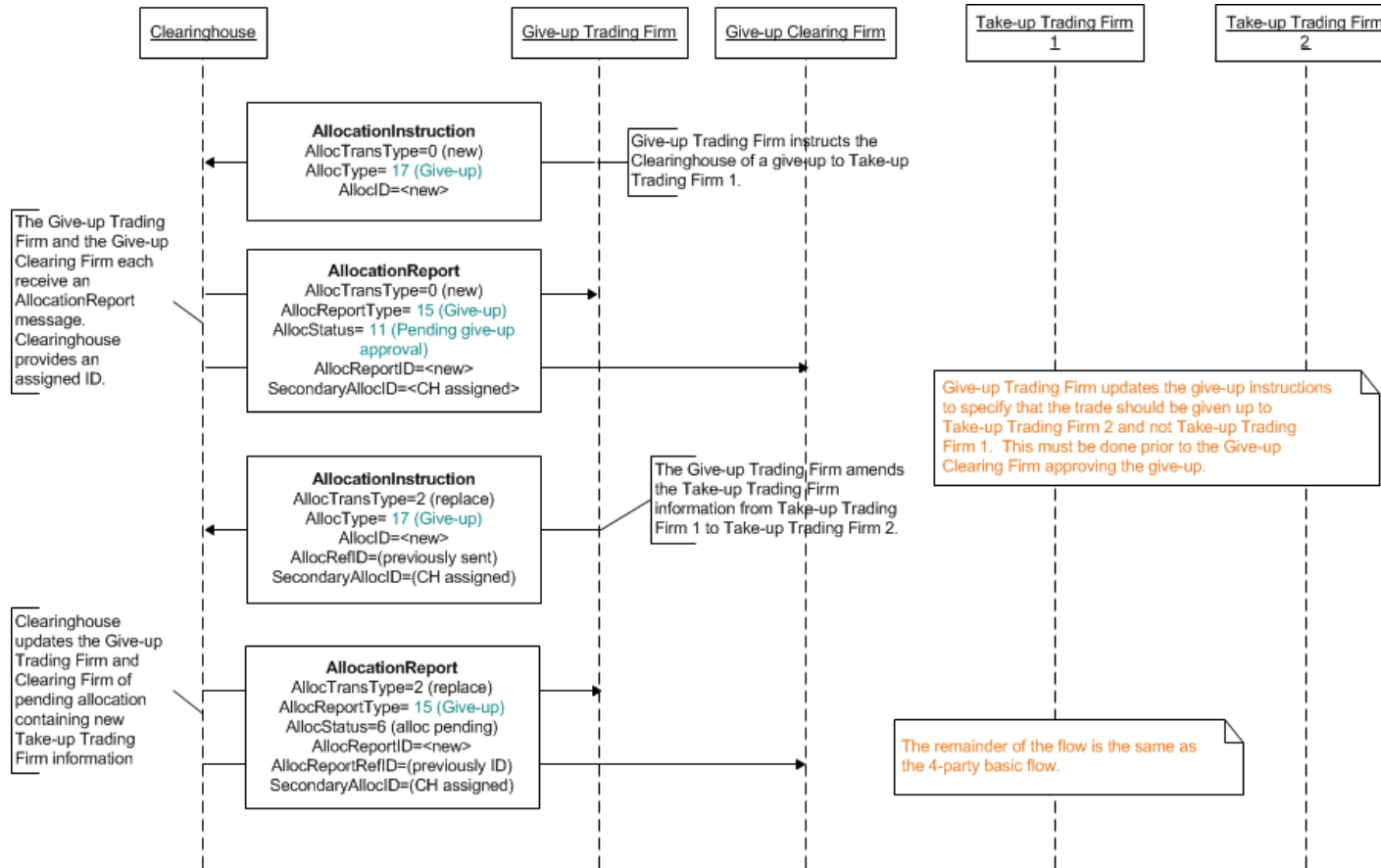
The diagram above illustrates the workflow when the Give-up Trading Firm decides to cancel a previously issued give-up. This can be done before the Clearinghouse has notified the Give-up Clearing Firm, as shown in the top half

of the diagram, or after the Clearinghouse has notified the Give-up Clearing Firm, as shown in the bottom half of the diagram.

It should be noted that this diagram illustrates the cancellation as being allowed only before the Give-up Clearing Firm has not approved the give-up. It is possible that other Clearinghouses may allow such a cancellation after the Give-up Clearing Firm approves the give-up but before the Take-up side responds to the pending take-up.

4.3.5 Give-up Trading Firm amends Take-up information

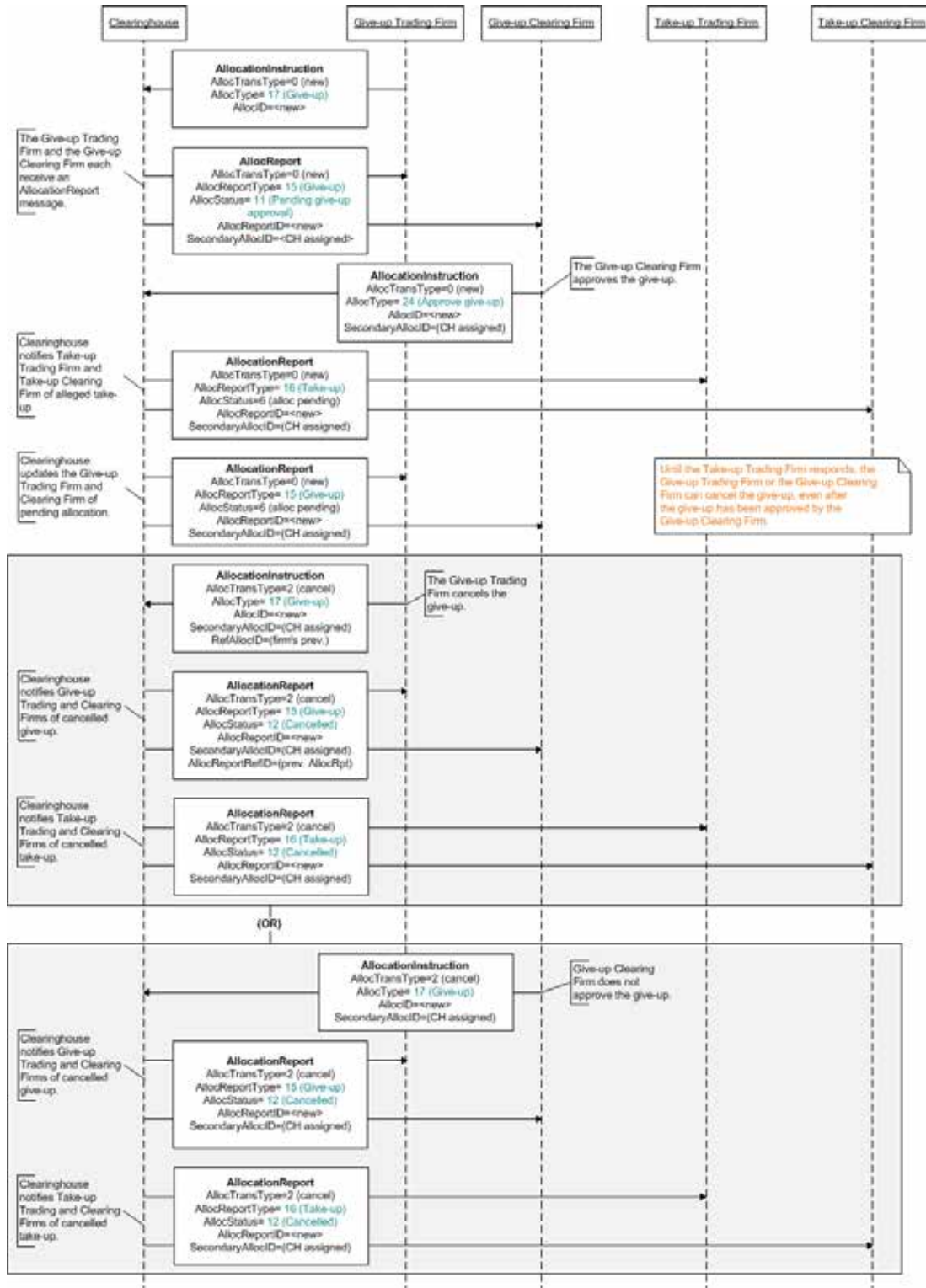
Figure 21: 4-Party Give-up Trading Firm amends Take-up information



Prior to a give-up being approved by the Give-up Clearing Firm, the Give-up Trading Firm may update or amend the intended Take-up Trading Firm. This is illustrated in the diagram above. Notice that the Clearinghouse notifies the Give-up Clearing Firm with an AllocationReport of "replace" to replace the previously sent AllocationReport.

4.3.6 Cancellation of Take-up after Give-up Approval

Figure 22: 4-Party Cancellation of Take-up after Give-up Approval



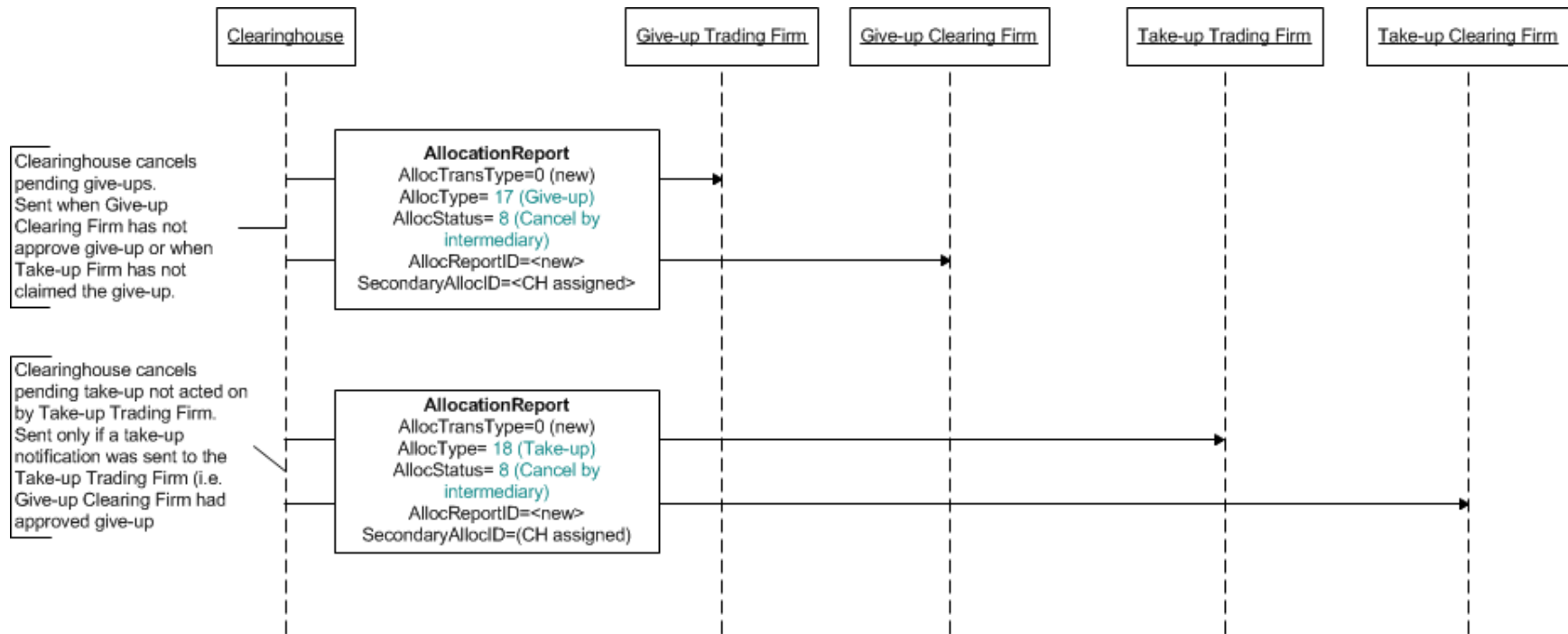
The diagram above illustrates the scenario where either the Give-up Trading Firm or Give-up Clearing Firm cancels the pending take-up prior to any response from the Take-up Trading Firm.

The Give-up Clearing Firm has "approved" the give-up, however, after notification is sent to the Take-up Trading Firm and Take-up Clearing Firm, the Give-up Trading Firm cancels the give-up, as shown by the set of flows in the first grey box. Alternatively, the Give-up Clearing Firm can also initiate the cancellation prior to any response from the Take-up Trading Firm, as shown by the set of flows in the second grey box.

In both case, the Clearinghouse, upon successful cancellation of the give-up/take-up, notifies the Take-up Trading Firm and Take-up Clearing Firm of the cancellation.

4.3.7 Clearinghouse Initiated Cancellation

Figure 23: 4-Party Clearinghouse initiated cancellation



In situations where the Clearinghouse has a process that will "clear out" any incomplete give-up/take-up transactions, the Clearinghouse may send out a cancellation notice to all parties that the pending give-up/take-up has been cancelled by the Clearinghouse. As illustrated above, the Clearinghouse sends an AllocationReport of "new" and an AllocStatus of "cancel by intermediary". This clearly indicates that the give-up/take-up has been cancelled by the Clearinghouse as oppose to the give-up parties.

4.4 3-Party Process Message Flow Model

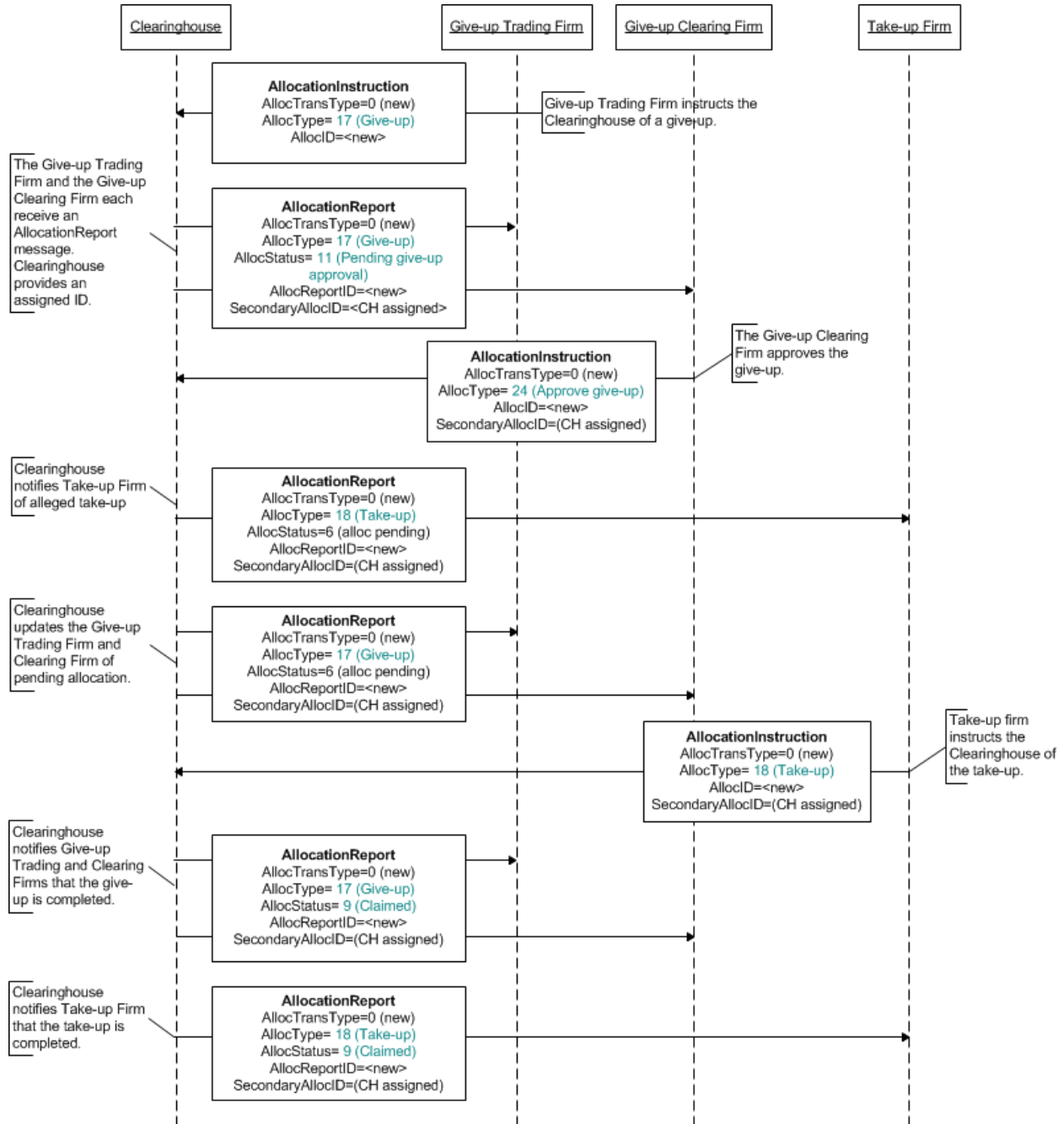
The following diagrams are the 3-party flow diagrams, illustrating the various workflows and the FIX messages uses to support those workflows.

As described in Section 2.1.2, the 4-party process model involves the following roles: Clearinghouse, Give-up Trading Firm, Give-up Clearing Firm, and Take-up Firm. The Clearinghouse serves as the central facilitator and arbiter of the state of the give-up/take-up.

The 3-Party process model can be viewed as a hybrid between the 2-party and 4-party process model. As with the 4-Party process model, in the 3-Party process model, the Give-up Clearing Firm first need to "approve" the give-up prior to any pending take-up notification is sent to the Take-up Firm.

4.4.1 Basic Give-up

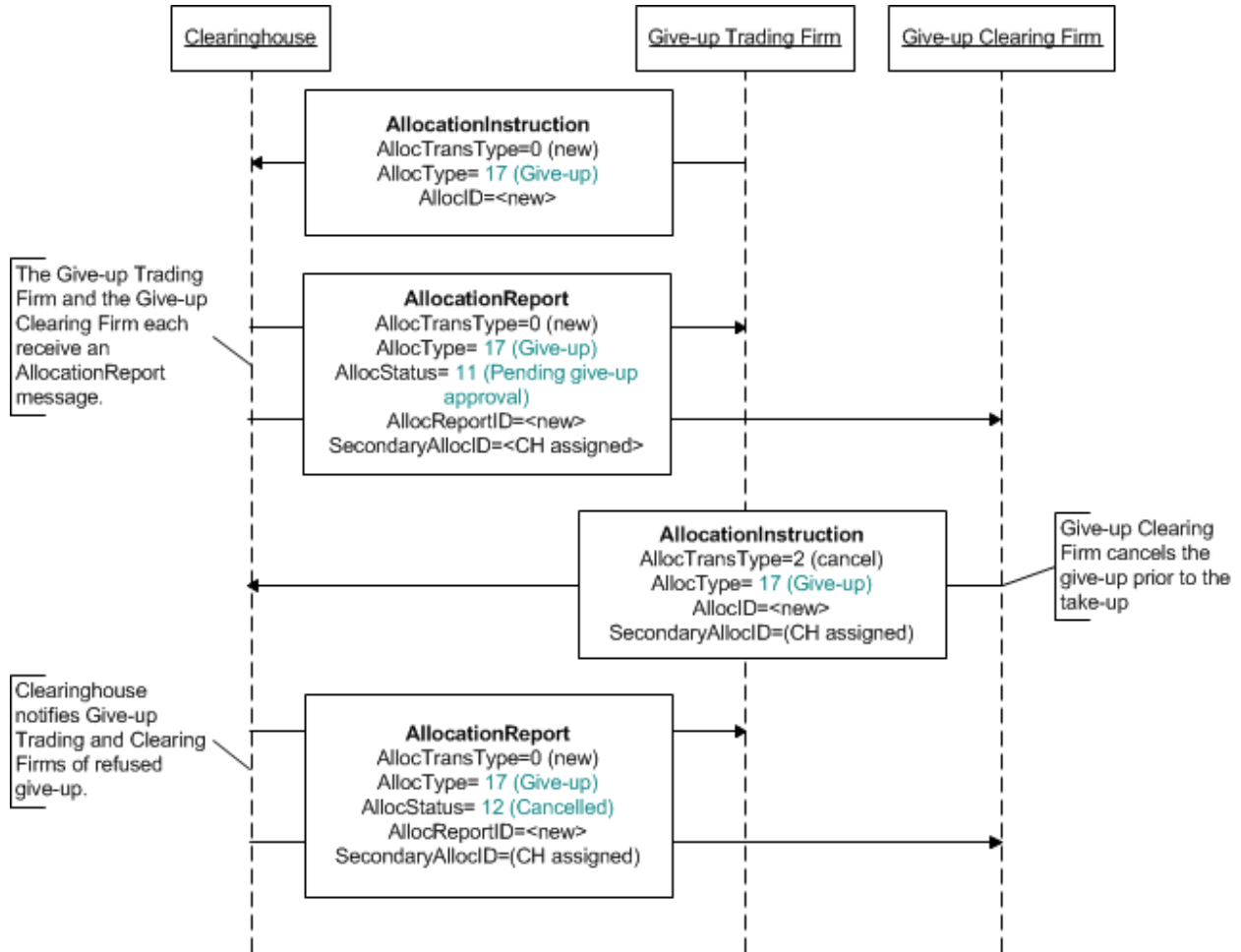
Figure 24: 3-Party Basic Give-up/Take-up



The diagram above illustrates the flow of the give-up process being initiated by the Give-up Trading Firm. The Give-up Clearing Firm is notified and "approves" the give-up. Once the Take-up Firm is notified, it agrees to take-up the trade. The Clearinghouse notifies all parties of the successful give-up/take-up.

4.4.2 Cancellation by Give-up Clearing Firm

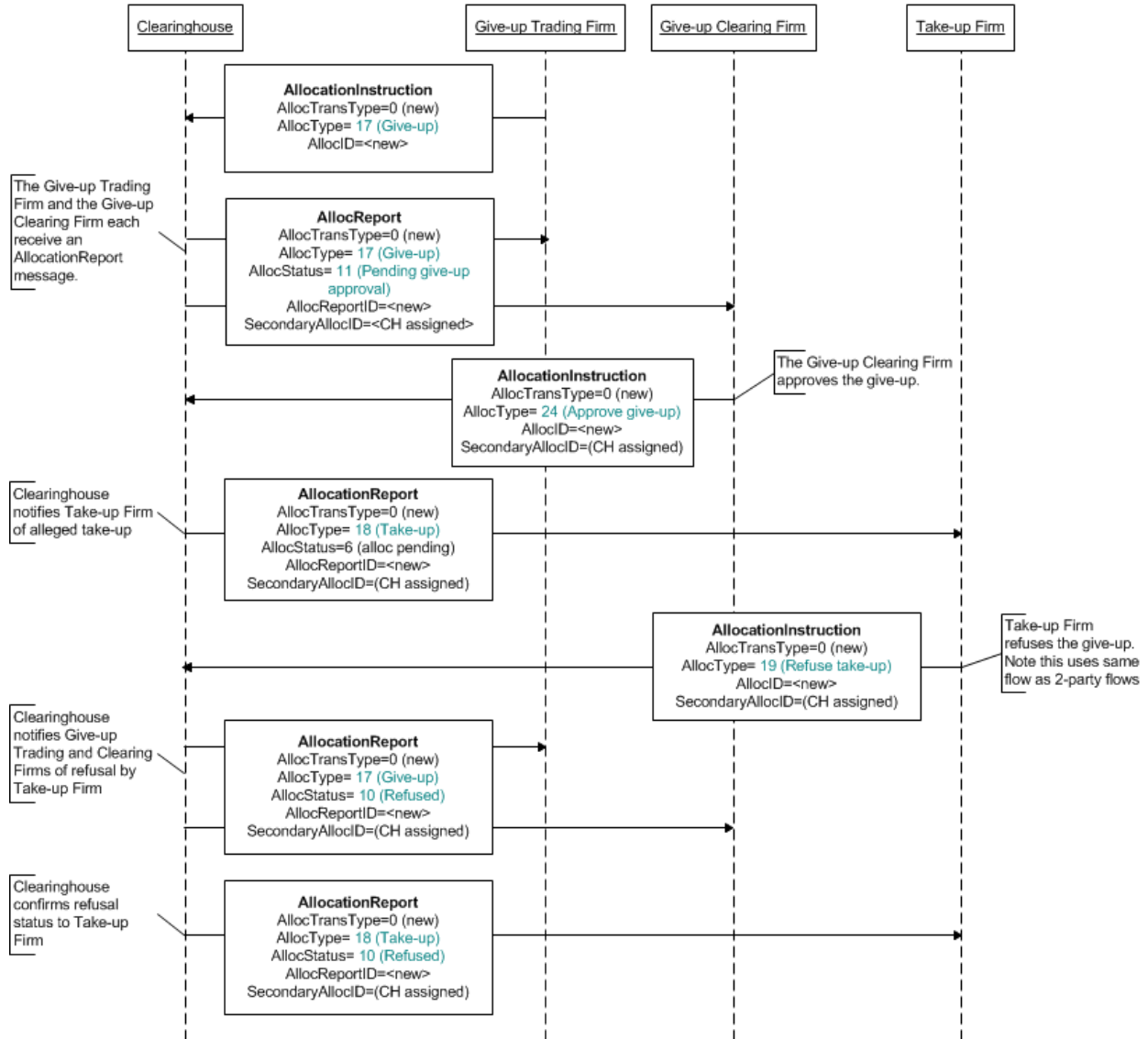
Figure 25: 3-Party Cancellation of Give-up prior to take-up



The diagram above illustrates the workflow when the Give-up Clearing Firm does not approve of the give-up. The Give-up Clearing Firm simply "cancels" the give-up. The Give-up Trading Firm is notified of this.

4.4.3 Take-up Refused by Take-up Firm

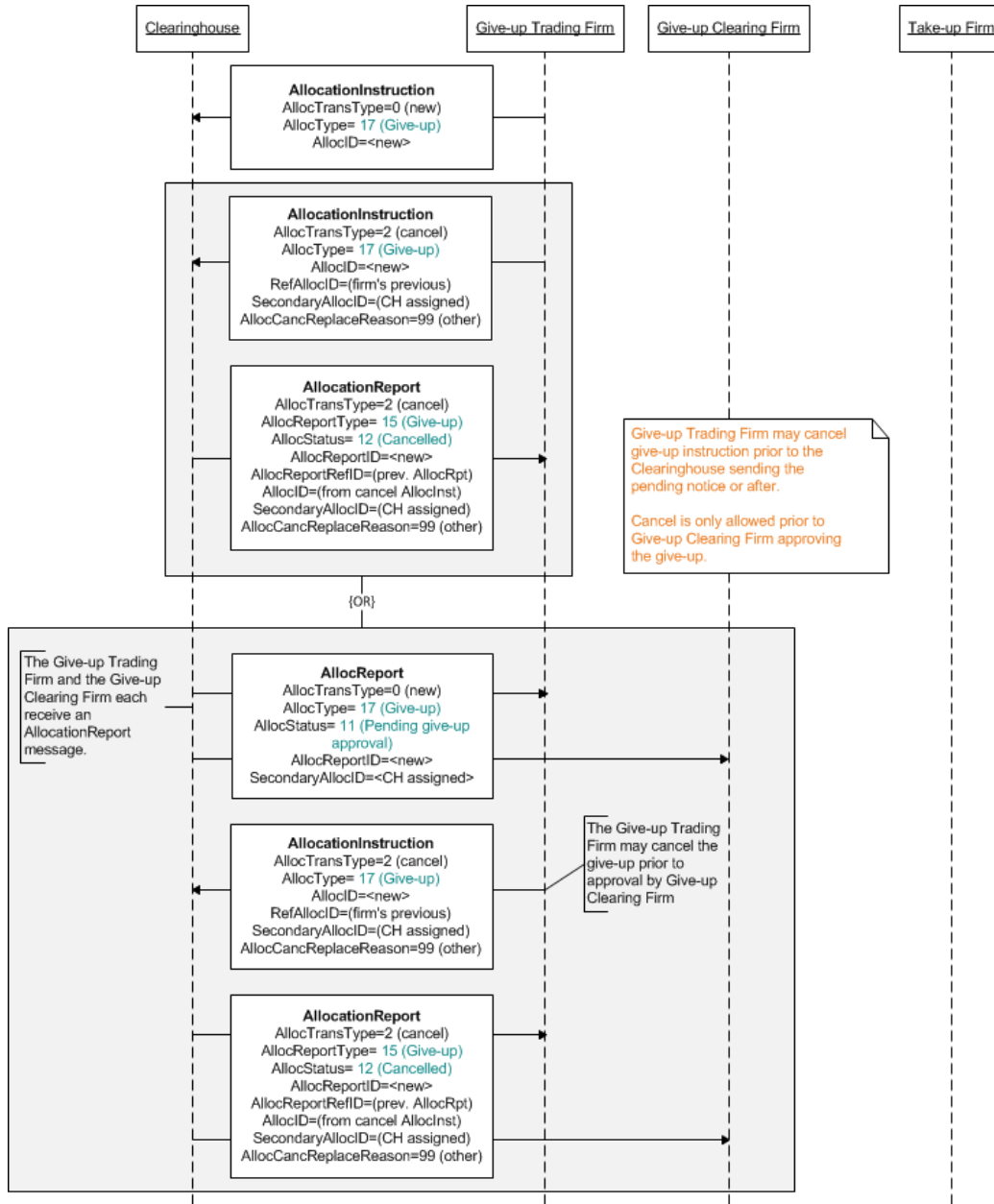
Figure 26: 3-Party Take-up Refused by Take-up Firm



In the diagram above the Take-up Firm has refused the pending take-up. The Clearinghouse notifies all parties of the status.

4.4.4 Cancellation by Give-up Trading Firm

Figure 27: 3-Party Cancellation of Give-up prior to approval



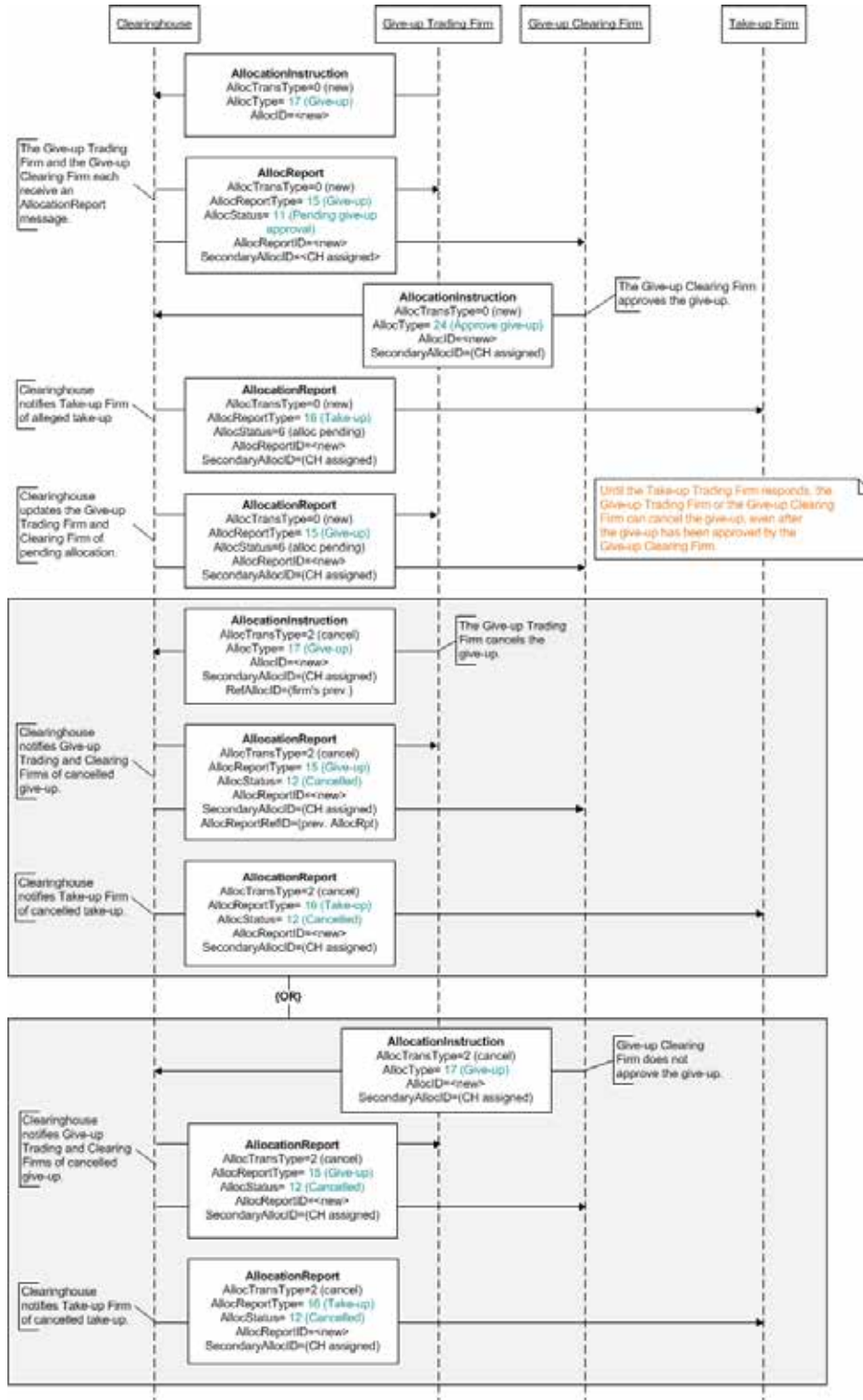
The diagram above illustrates the case where the Give-up Trading Firm cancels the previously sent give-up prior to the Give-up Clearing Firm being notified, as shown in the top half, or immediately after the Give-up Clearing Firm is notified, as shown in the bottom half.

In both cases, the Clearinghouse notifies both parties of the status.

(Note: this flow is the same as the 4-party process flow, and included here for completeness to the 3-party flow).

4.4.5 Cancellation of Take-up after Give-up Approval

Figure 28: 3-Party Cancellation of Take-up after Give-up Approval



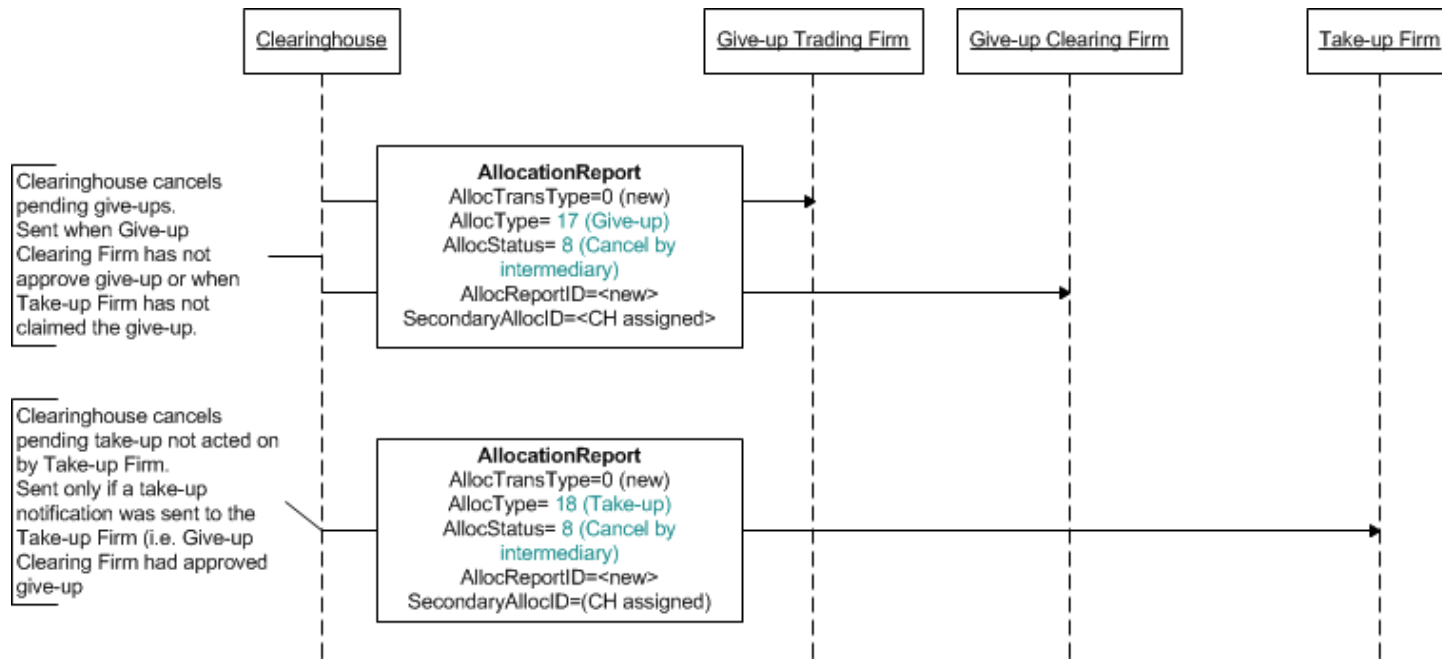
The diagram above illustrates the scenario where either the Give-up Trading Firm or Give-up Clearing Firm cancels the pending take-up prior to any response from the Take-up Firm.

The Give-up Clearing Firm has "approved" the give-up, however, after notification is sent to the Take-up Firm, the Give-up Trading Firm cancels the give-up, as shown by the set of flows in the first grey box. Alternatively, the Give-up Clearing Firm can also initiate the cancellation prior to any response from the Take-up Firm, as shown by the set of flows in the second grey box.

In both case, the Clearinghouse, upon successful cancellation of the give-up/take-up, notifies the Take-up Firm of the cancellation.

4.4.6 Clearinghouse Initiated Cancellation

Figure 29: 3-Party Clearinghouse initiated cancellation



In situations where the Clearinghouse has a process that will "clear out" any incomplete give-up/take-up transactions, the Clearinghouse may send out a cancellation notice to all parties that the pending give-up/take-up has been cancelled by the Clearinghouse. As illustrated above, the Clearinghouse sends an AllocationReport of "new" and an AllocStatus of "cancel by intermediary". This clearly indicates that the give-up/take-up has been cancelled by the Clearinghouse as oppose to the give-up parties.

(Note that this flow is similar to the one illustrated for the 4-party process, with the exception of the number of parties that are notified for each transaction).

4.5 Average Pricing and Give-up Workflow

The diagrams below illustrate the business workflow and specific FIXML Message Flows for Average Pricing and Give-up processing.

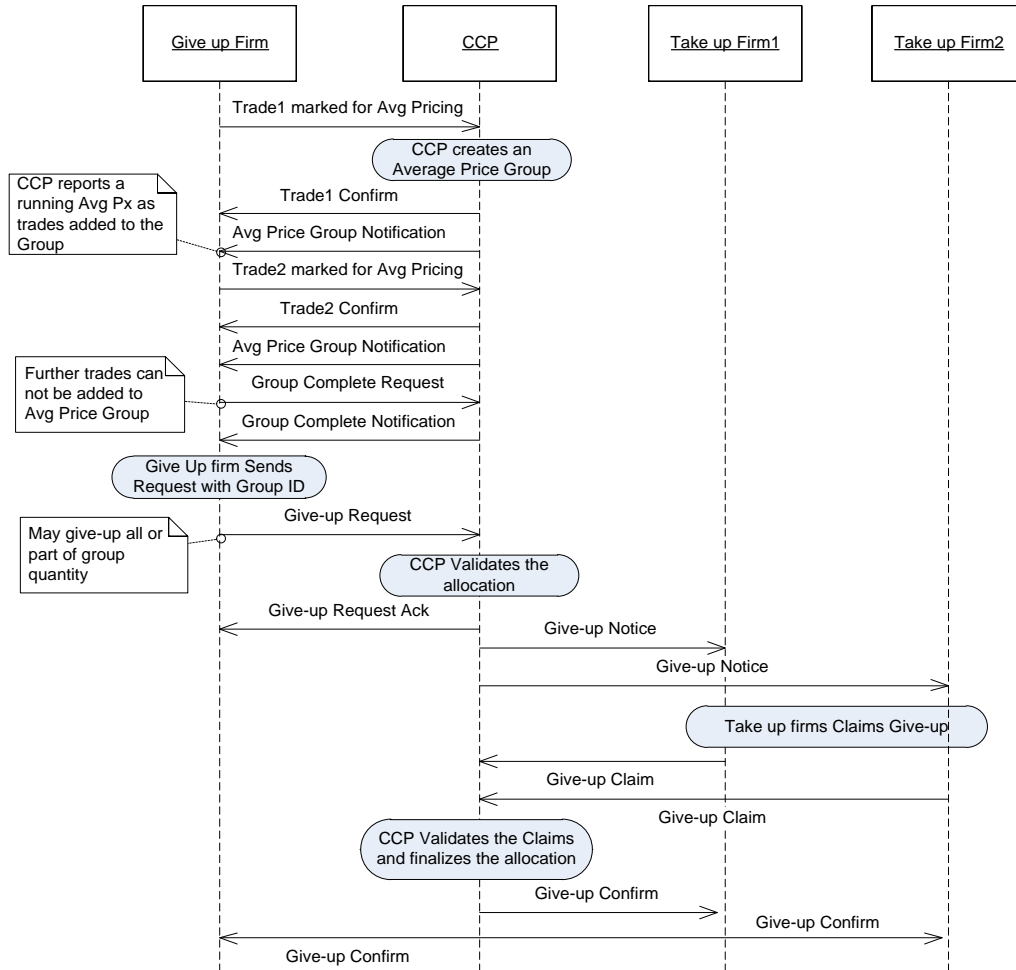


Figure 30 - Average Pricing Give-up Workflow

The activities of Average Pricing and Give-up workflow include:

- Give-up Firm submits a set of trades (Trade1 and Trade2) “marked for Average Pricing”
- CCP confirms the trades
- CCP creates an Average Price Group and assigns an Average Price Group ID
- CCP notifies the Give-up Firm that Average Price Group has been created and reports the current average price
- Give-up Firm sends a Group Complete Request which closes the Average Price Group
- CCP sends notification that the group is complete and reports final average price
- Give-up firm sends in a Give-up Requests for Take-up Firm 1 and Take-up Firm 2
- CCP adds a Give-up to the group, assigns an individual Give-up ID and responds to Give-up Firm

The figure below illustrates the FIXML message exchange to support Average Pricing and Give-up workflow for multiple take-up firms.

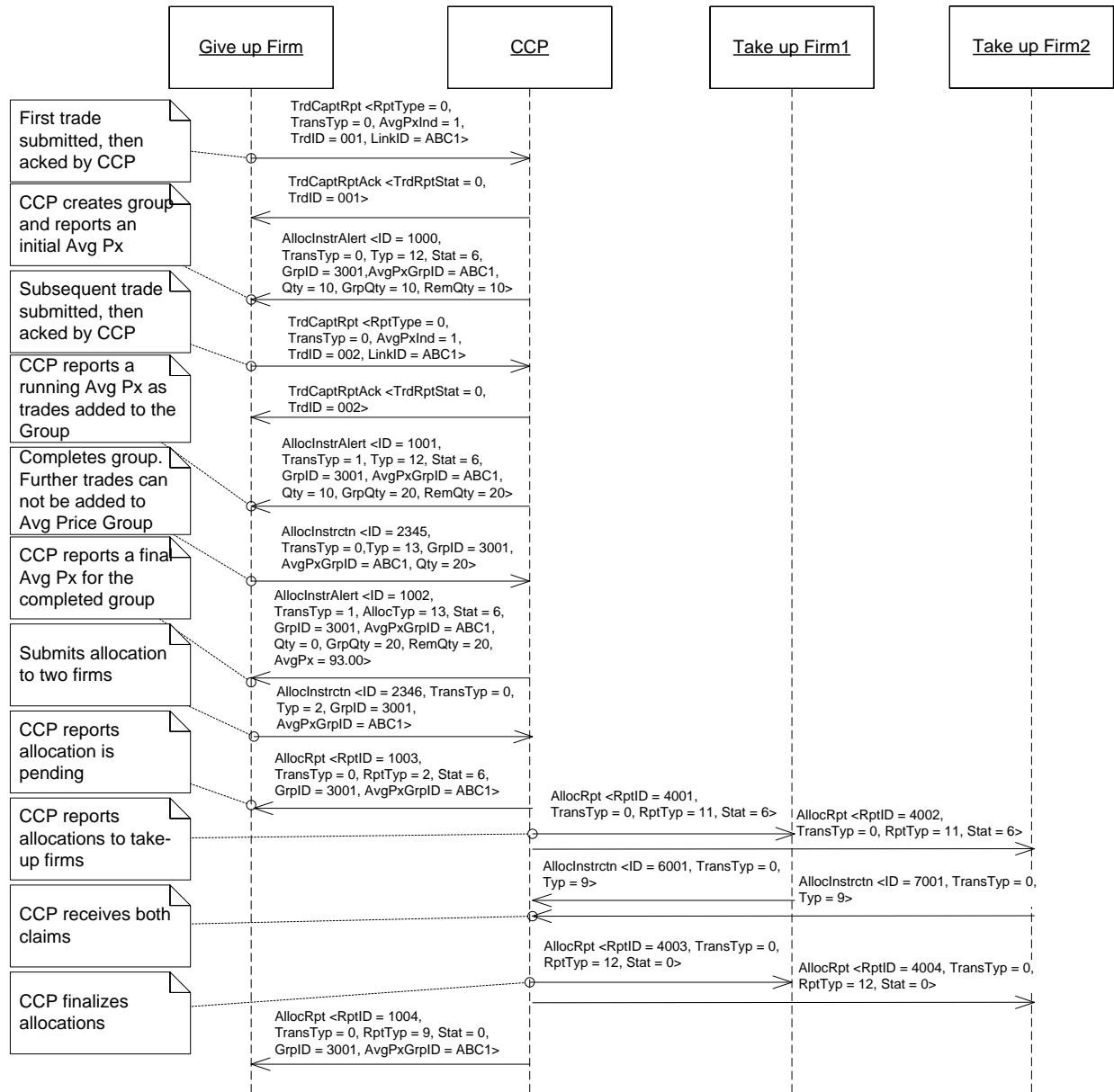


Figure 31 - FIX Message Flow for Average Pricing Give-up

4.6 Trade Marked For Give-up

Trade submissions from the electronic market venue or exchanges may be submitted to the Clearinghouse marked for give-up. There are two distinct styles of processes that has been documente and illustrated below.

The first style of marking trades for give-up is to mark trades for give-up "post-execution" and is a model that CME Group follows. This is illustrated in Sections 4.6.1 and 4.6.2.

The second style of marking trades for give-up is to mark trades for give-up "pre-execution" and is a model that Eurex follows. This is illustrated in Section 4.6.3 and 4.6.4.

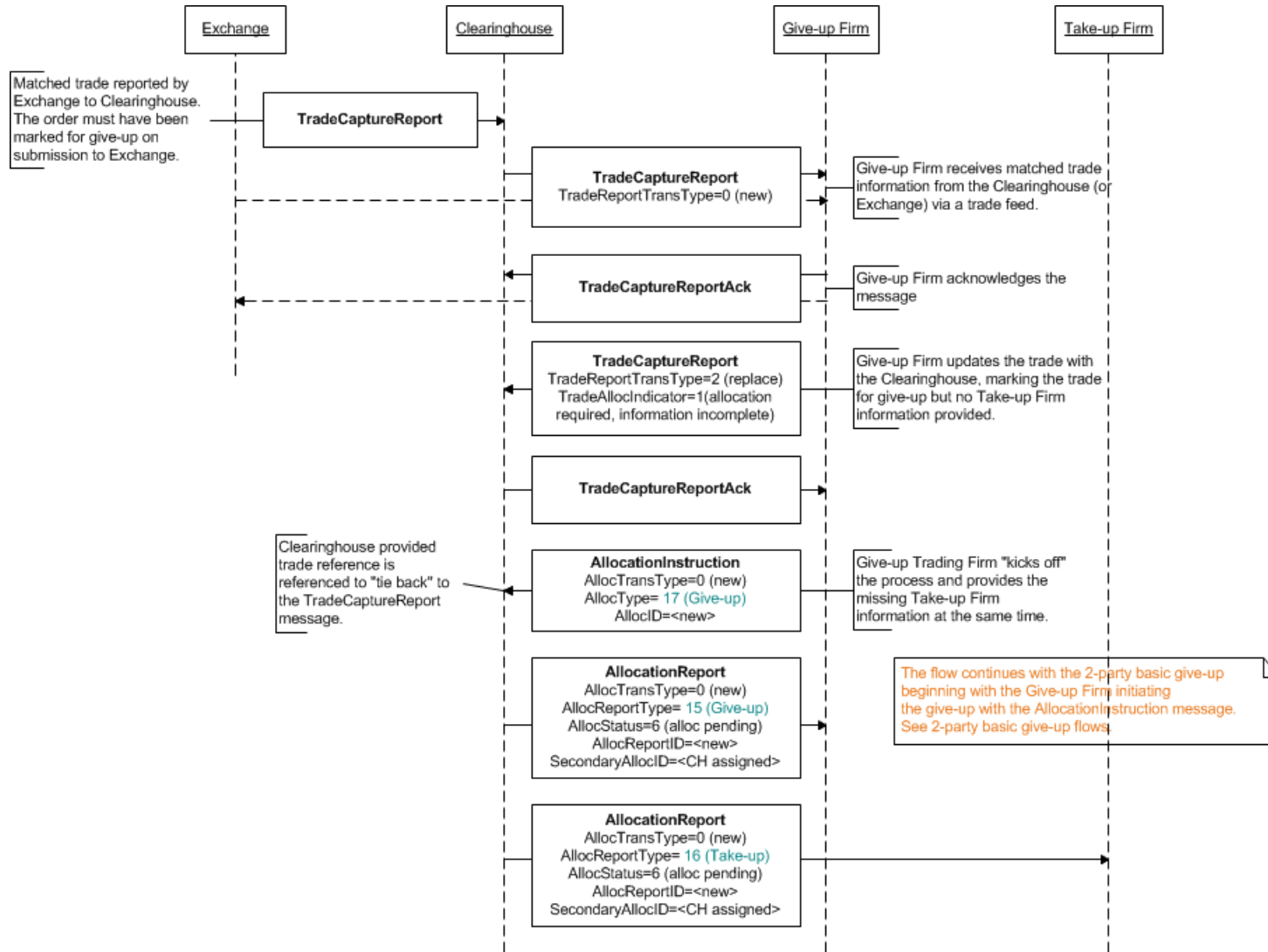
4.6.1 Trade Marked for Give-up with Incomplete Information (post-execution)

The diagram below illustrates the flow where a trade has been matched and completed on the exchange. The exchange reports the trade to the Clearinghouse. The Clearinghouse notifies the parties to the trade of the trade report (in the diagram below, for the purposes of this illustration this is being identified as the Give-up Firm). The Give-up Firm proceeds to amend this trade report with the Clearinghouse indicating that this trade will be given-up to another party, however the firm has not provided information on the Take-up Firm. This is being communicated via the TradeCaptureReport in the diagram below.

As the Give-up Firm had not provided the Clearinghouse with information of the Take-up Firm, the Give-up Firm, when ready, initiates the give-up process by providing the Clearinghouse information of the Take-up Firm in the AllocationInstruction message. In the message a reference to the trade identifier of the trade marked for give-up would also need to be referenced.

Following that the normal 2-party basic give-up flow is followed.

Figure 32: Trade marked for give-up with incomplete information (post-execution)



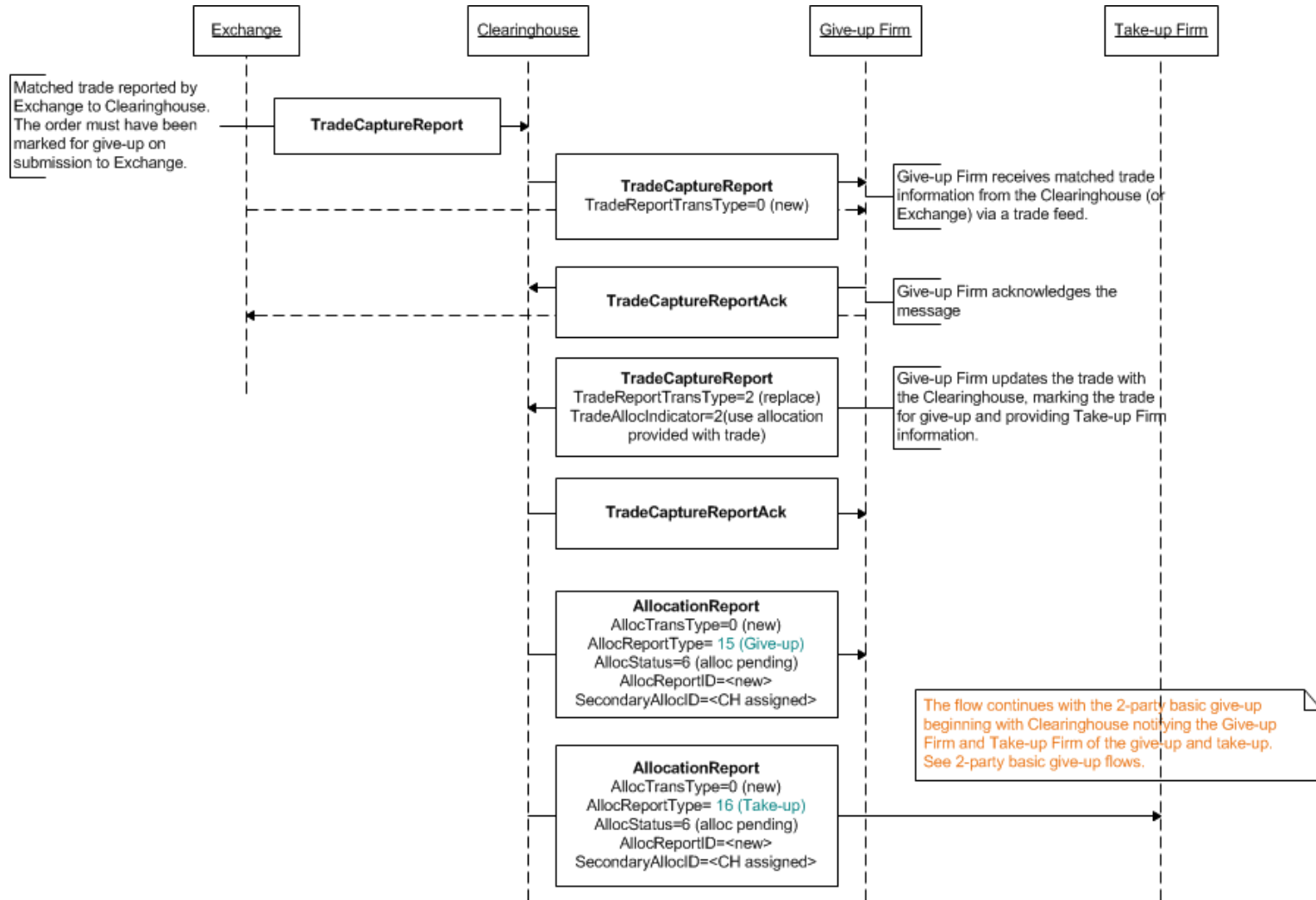
4.6.2 Trade Marked for Give-up with Complete Information (post-execution)

The diagram below illustrates the flow where a trade has been matched and completed on the exchange. The exchange reports the trade to the Clearinghouse. The Clearinghouse notifies the parties to the trade of the trade report (in the diagram below, for the purposes of this illustration this is being identified as the Give-up Firm). The Give-up Firm proceeds to amend this trade report with the Clearinghouse indicating that this trade will be given-up to the identified Take-up Firm. This is being communicated via the TradeCaptureReport in the diagram below.

As the Give-up Firm has provided the Clearinghouse with the Take-up Firm information in the trade update, the Clearinghouse proceeds immediately to notifying the Take-up Firm of a pending take-up. The Give-up Firm is also provided with a status update via the AllocationReport message.

Following that the normal 2-party basic give-up flow is followed.

Figure 33: Trade marked for give-up with complete information (post-execution)



4.6.3 Trade Marked for Give-up with Incomplete Information (pre-execution)

The diagram below illustrates the flow where a trade has been matched and completed on the exchange. The exchange reports the trade to the Clearinghouse. The Clearinghouse notifies the parties to the trade of the trade report (in the diagram below, for the purposes of this illustration this is being identified as the Give-up Trading Firm).

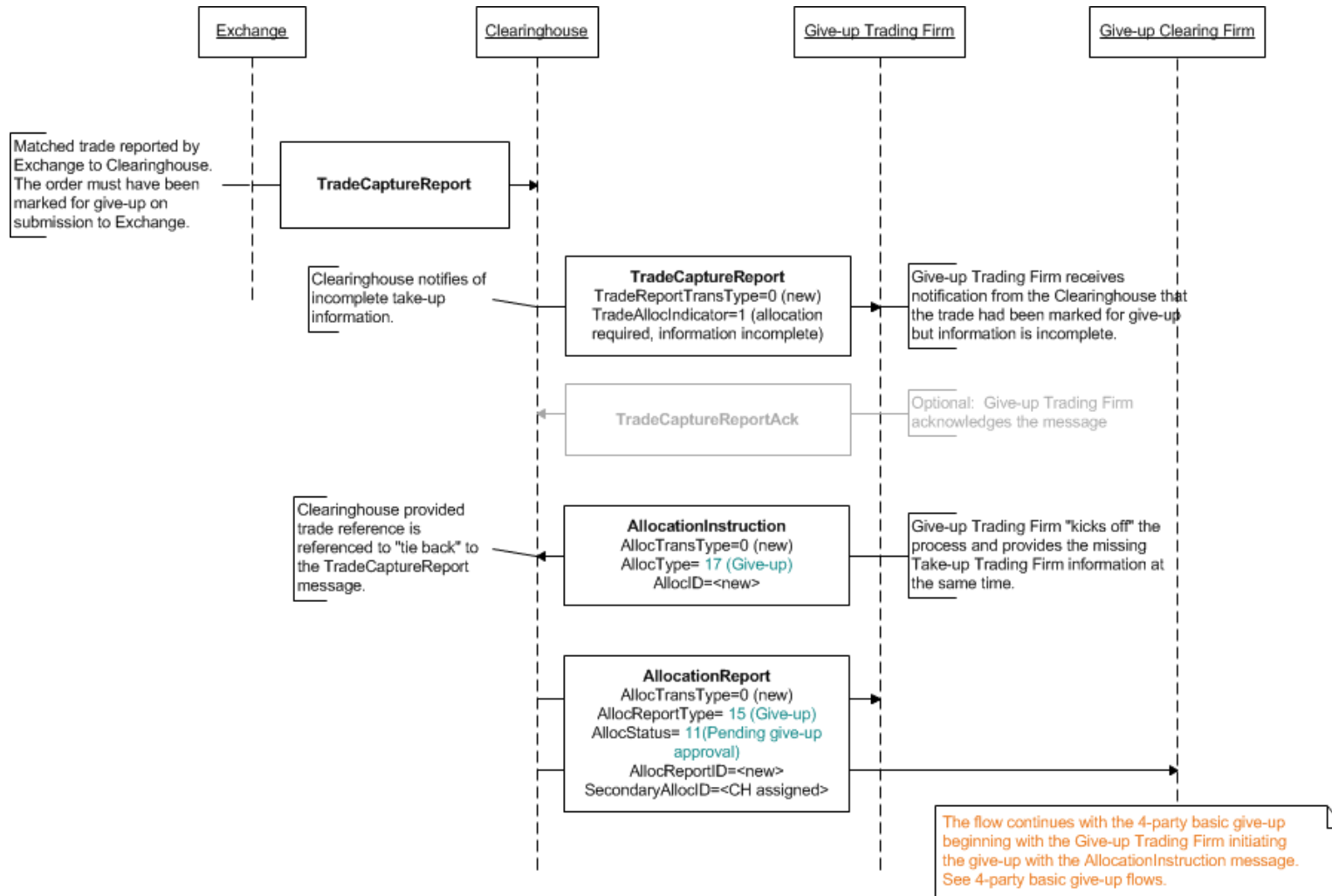
Under this process, information that this trade will be given-up has been provided during order entry into the exchange. This information will flow through into the trade that is reported to the Clearinghouse. The trade report from the Clearinghouse to the Give-up Trading Firm would indicate that the trade is marked for give-up but without take-up information.

As the Give-up Trading Firm had not provided the Clearinghouse with information of the Take-up Trading Firm, the Give-up Trading Firm, when ready, initiates the give-up process by providing the Clearinghouse information of the Take-up Trading Firm in the AllocationInstruction message. In the message a reference to the trade identifier of the trade marked for give-up would also need to be referenced.

Following that the normal 4-party basic give-up flow is followed.

NOTE: The difference between this style versus the one documented in Section 4.6.1 is that under this process it is known at the time of order submission that the trade will be given-up and has been marked as such by the trading firm. It was marked "pre-execution".

Figure 34: Trade marked for give-up with incomplete information (pre-execution)



4.6.4 Trade Marked for Give-up with Complete Information (pre-execution)

The diagram below illustrates the flow where a trade has been matched and completed on the exchange. The exchange reports the trade to the Clearinghouse. The Clearinghouse notifies the parties to the trade of the trade report (in the diagram below, for the purposes of this illustration this is being identified as the Give-up Trading Firm).

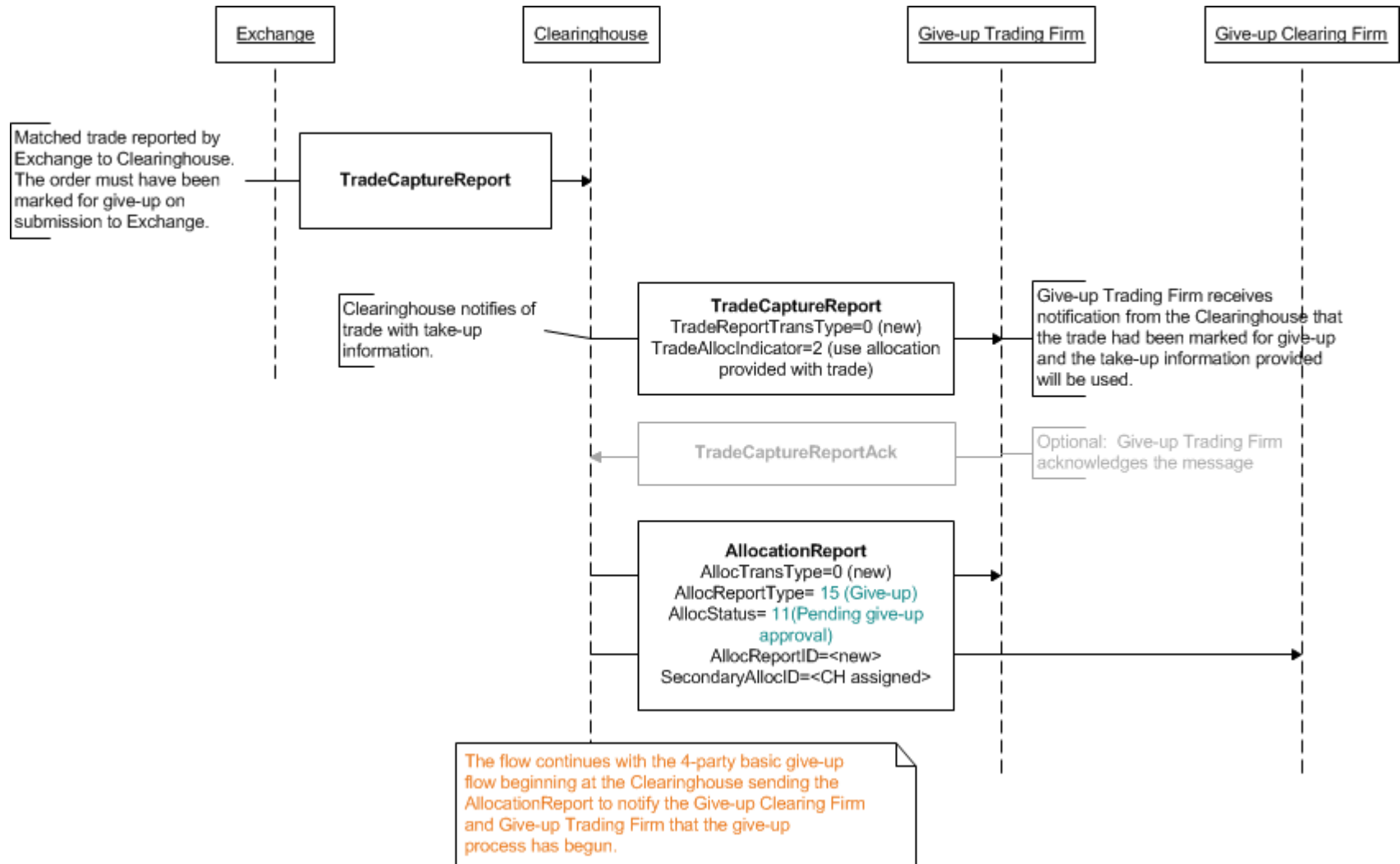
Under this process, information that this trade will be given-up has been provided during order entry into the exchange. This information will flow through into the trade that is reported to the Clearinghouse. The trade report from the Clearinghouse to the Give-up Trading Firm would indicate that the trade is marked for give-up and take-up information has been provided.

As the Take-up Trading Firm's information has been provided, the Clearinghouse proceeds immediately to notifying the Give-up Clearing Firm of a give-up that is pending approval.

Following that the normal 4-party basic give-up flow is followed.

NOTE: The difference between this style versus the one documented in Section 4.6.2 is that under this process it is known at the time of order submission that the trade will be given-up and has been marked as such by the trading firm and the Take-up Trading Firm's information was also provided with the order. It was marked "pre-execution".

Figure 35: Trade marked for give-up with complete information (pre-execution)



5 FIX message tables

5.1 AllocationInstruction

<i>Tag</i>	<i>Field Name</i>	<i>Req'd</i>	<i>XMLName</i>	<i>FIX Spec Comments</i>	<i>Action</i>	<i>Mappings and Usage Comments</i>
	Component <StandardHeader>	Y		MsgType = J		
70	AllocID	Y	AllocID	Unique identifier for this allocation instruction message		
71	AllocTransType	Y	TransTyp	i.e. New, Cancel, Replace		
626	AllocType	Y	AllocType	Specifies the purpose or type of Allocation message	enum Add	Added an enum for Re-open Group.
793	SecondaryAllocID		AllocID2	Optional second identifier for this allocation instruction (need not be unique)		
72	RefAllocID		RefAllocID	Required for AllocTransType = Replace or Cancel		
796	AllocCancReplaceReason		CxlRplcRsn	Required for AllocTransType = Replace or Cancel Gives the reason for replacing or cancelling the allocation instruction		
808	AllocIntermedReqType		IntermedReqTyp	Required if AllocType = 8 (Request to Intermediary) Indicates status that is requested to be transmitted to counterparty by the intermediary (i.e. clearing house)		
196	AllocLinkID		LinkID	Can be used to link two different Allocation messages (each with unique AllocID) together, i.e. for F/X "Netting" or "Swaps"		
197	AllocLinkType		LinkTyp	Can be used to link two different Allocation messages and identifies the type of link. Required if AllocLinkID is specified.		
1730	AllocGroupID		GrpID	Group identifier assigned by the clearing house	New	Used by the CCP to group allocations.
1728	FirmGroupID		FirmGrpID	Firm assigned entity identifier for the allocation.	New	Used by the firm to group allocations
466	BookingRefID		BkngRefID	Can be used with		

			D	AllocType=" Ready-To-Book "		
857	AllocNoOrdersType		NoOrdsType	Indicates how the orders being booked and allocated by an Allocation Instruction or Allocation Report message are identified, e.g. by explicit definition in the OrdAllocGrp or ExecAllocGrp components , or not identified explicitly.	Change	Former Description "Indicates how the orders being booked and allocated by an Allocation Instruction or Allocation Report message are identified, i.e. by explicit definition in the NoOrders group or not."
<i>Component <OrdAllocGrp></i>			<i>OrdAlloc</i>	<i>Indicates number of orders to be combined for allocation. If order(s) were manually delivered set to 1 (one).Required when AllocNoOrdersType = 1</i>		
<i>Component <ExecAllocGrp></i>			<i>AllExc</i>	<i>Indicates number of individual execution or trade entries. Absence indicates that no execution or trade entries are included. Primarily used to support step-outs.</i>	Change	Former Description "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."
570	PreviouslyReported		PrevllyRpted			
700	ReversalIndicator		ReversalInd			
574	MatchType		MtchTyp			
54	Side	Y	Side			
<i>Component <Instrument></i>		<i>Y</i>	<i>Instrmt</i>	<i>Insert here the set of "Instrument" (sybology) fields defined in "Common Components of Application Messages". For NDFs fixing date and time can be optionally specified using MaturityDate and MaturityTime.</i>		
<i>Component <InstrumentExtension></i>			<i>InstrmtExt</i>	<i>Insert here the set of "InstrumentExtension" fields defined in "Common Components of Application Messages"</i>		
<i>Component <FinancingDetails></i>			<i>FinDetls</i>	<i>Insert here the set of "FinancingDetails" fields defined in "Common Components of Application Messages"</i>		
<i>Component <UndInstrmtGrp></i>			<i>Undly</i>			

Component <InstrmtLegGrp>			Leg			
53	Quantity	Y	Qty	Total quantity (e.g. number of shares) allocated to all accounts, or that is Ready-To-Book		
854	QtyType		QtyTyp			
30	LastMkt		LastMkt	Market of the executions.		
229	TradeOriginationDate		OrignDt			
336	TradingSessionID		SesID			
625	TradingSessionSubID		SesSub			
423	PriceType		PxTyp			
6	AvgPx		AvgPx	For FX orders, should be the "all-in" rate (spot rate adjusted for forward points), expressed in terms of Currency(15). For 3rd party allocations used to convey either basic price or averaged price Optional for average price allocations in the listed derivatives markets where the central counterparty calculates and manages average price across an allocation group.		
860	AvgParPx		AvgParPx			
Component <SpreadOrBenchmarkCurveData>			SprdBnch mkCurve	Insert here the set of "SpreadOrBenchmarkCurveData" fields defined in "Common Components of Application Messages"		
15	Currency		Ccy	Currency of AvgPx. Should be the currency of the local market or exchange where the trade was conducted.		
74	AvgPxPrecision		AvgPxPrcsn	Absence of this field indicates that default precision arranged by the broker/institution is to be used		
Component <Parties>			Pty	Insert here the set of "Parties" (firm identification) fields defined in "Common Components of Application Messages"		
75	TradeDate	Y	TrdDt			
60	TransactTime		TxnTm	Date/time when allocation is generated		

63	SettlType		SettlTyp		
64	SettlDate		SettlDt	Takes precedence over SettlType value and conditionally required/omitted for specific SettlType values. Required for NDFs to specify the "value date".	
775	BookingType		BkngTyp	Method for booking. Used to provide notification that this is to be booked out as an OTC derivative (e.g. CFD or similar). Absence of this field implies regular booking.	
381	GrossTradeAmt		GrossTrd Amt	Expressed in same currency as AvgPx(6). (Quantity(53) * AvgPx(6) or AvgParPx(860)) or sum of (AllocQty(80) * AllocAvgPx(153) or AllocPrice(366)). For Fixed Income, AvgParPx(860) is used when AvgPx(6) is not expressed as "percent of par" price.	
238	Concession		Concessio n		
237	TotalTakedown		TotTaked own		
118	NetMoney		NetMny	Expressed in same currency as AvgPx. Sum of AllocNetMoney. For FX, if specified, expressed in terms of Currency(15).	
77	PositionEffect		PosEfct		
754	AutoAcceptIndicator		AutoAcce ptInd	Indicates if Allocation has been automatically accepted on behalf of the Take-up Firm by the Clearing House	
58	Text		Txt		
354	EncodedTextLen		EncTxtLe n	Must be set if EncodedText field is specified and must immediately precede it.	
355	EncodedText		EncTxt	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.	

157	NumDaysInterest		NumDays Int	Applicable for Convertible Bonds and fixed income		
158	AccruedInterestRate		AcrdIntRt	Applicable for Convertible Bonds and fixed income		
159	AccruedInterestAmt		AcrdIntAmt	Applicable for Convertible Bonds and fixed income		
540	TotalAccruedInterestAmt		TotAcrdIntAmt			
738	InterestAtMaturity		IntAtMat			
920	EndAccruedInterestAmt		EndAcrdIntAmt	For repurchase agreements the accrued interest on termination.		
921	StartCash		StartCsh	For repurchase agreements the start (dirty) cash consideration		
922	EndCash		EndCsh	For repurchase agreements the end (dirty) cash consideration		
650	LegalConfirm		LegalCnf m			
<i>Component <Stipulations></i>			<i>Stip</i>			
<i>Component <YieldData></i>			<i>Yield</i>			
<i>Component <PositionAmountData></i>			<i>Amt</i>	<i>Insert here here the set of "Position Amount Data" fields defined in "Common Components of Application Messages"</i>		
892	TotNoAllocs		TotNoAllocs	Indicates total number of allocation groups (used to support fragmentation). Must equal the sum of all NoAllocs values across all message fragments making up this allocation instruction. Only required where message has been fragmented.		
893	LastFragment		LastFragment	Indicates whether this is the last fragment in a sequence of message fragments. Only required where message has been fragmented.		
<i>Component <AllocGrp></i>			<i>Alloc</i>	<i>Conditionally required except when AllocTransType = Cancel, or when AllocType = "Ready-to-book" or "Warehouse instruction"</i>		
819	AvgPxIndicator		AvgPxInd	Indicates if an allocation is to be average priced. Is		

				also used to indicate if average price allocation group is complete or incomplete.		
1731	AvgPxGroupID		AvgPxGrpID	Firm designated group identifier for average pricing.	New	Used by firms to group allocations for average pricing.
715	ClearingBusinessDate		BizDt	Indicates Clearing Business Date for which transaction will be settled.		
828	TrdType		TrdTyp	Indicates Trade Type of Allocation.		
829	TrdSubType		TrdSubTyp	Indicates TradeSubType of Allocation. Necessary for defining groups.		
582	CustOrderCapacity		CustCpcty	Indicates CTI of original trade marked for allocation.		
578	TradeInputSource		InptSrc	Indicates input source of original trade marked for allocation.		
442	MultiLegReportingType		MLegRptTyp	Indicates MultiLegReportType of original trade marked for allocation.		
1011	MessageEventSource		MsgEvtSrc	Used to identify the event or source which gave rise to a message.		
991	RndPx		RndPx	Specifies the rounded price to quoted precision.		
<i>Component <RateSource></i>			<i>RtSrc</i>			
<i>Component <StandardTrailer></i>		<i>Y</i>				

5.2 AllocationInstructionAck

Tag	Field Name	Req'd	XMLName	FIX Spec Comments	Action	Mappings and Usage Comments
Component <StandardHeader>		Y		<i>MsgType = P</i>		
70	AllocID	Y	AllocID			
Component <Parties>			<i>Pty</i>	<i>Insert here the set of "Parties" (firm identification) fields defined in "Common Components of Application Messages"</i>		
793	SecondaryAllocID		AllocID2	Optional second identifier for the allocation instruction being acknowledged (need not be unique)		
1730	AllocGroupID		GrpID	Group identifier assigned by the clearing house	New	Used by the CCP to group allocations.
1728	FirmGroupID		FirmGrpID	Firm assigned entity identifier for the allocation.	New	Used by the firm to group allocations
1731	AvgPxGroupID		AvgPxGrpID	Firm designated group identifier for average pricing.	New	Used by firms to group allocations for average pricing.
75	TradeDate		TrdDt			
60	TransactTime		TxnTm	Date/Time Allocation Instruction Ack generated		
87	AllocStatus	Y	Stat	Denotes the status of the allocation instruction; received (but not yet processed), rejected (at block or account level) or accepted (and processed).	enum Add	Added several new conditions to accommodate average price and grouping give-up processing.
88	AllocRejCode		RejCode	Required for AllocStatus = 1 (block level reject) and for AllocStatus 2 (account level reject) if the individual accounts and reject reasons are not provided in this message		
626	AllocType		AllocType		enum Add	Added an enum for Re-open Group.
808	AllocIntermedReqType		IntermedReqType	Required if AllocType = 8 (Request to Intermediary) Indicates status that is requested to be transmitted to counterparty by the intermediary (i.e. clearing house)		

573	MatchStatus		MtchStat	Denotes whether the financial details provided on the Allocation Instruction were successfully matched.		
460	Product		Prod			
167	SecurityType		SecTyp			
58	Text		Txt	Can include explanation for AllocRejCode = 7 (other)		
354	EncodedTextLen		EncTxtLen	Must be set if EncodedText field is specified and must immediately precede it.		
355	EncodedText		EncTxt	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.		
Component <AllocAckGrp>			AllocAck	<i>This repeating group is optionally used for messages with AllocStatus = 2 (account level reject) to provide details of the individual accounts that caused the rejection, together with reject reasons. This group should not be populated when AllocStatus has any other value. Indicates number of allocation groups to follow.</i>		
Component <StandardTrailer>		Y				

5.3 AllocationReport

<i>Tag</i>	<i>Field Name</i>	<i>Req'd</i>	<i>XMLName</i>	<i>FIX Spec Comments</i>	<i>Action</i>	<i>Mappings and Usage Comments</i>
	Component <StandardHeader>	Y		MsgType = AS		
755	AllocReportID	Y	RptID	Unique identifier for this message		
70	AllocID		AllocID			
71	AllocTransType	Y	TransTyp	i.e. New, Cancel, Replace		
795	AllocReportRefID		RptRefID	Required for AllocTransType = Replace or Cancel		
796	AllocCancReplaceReason		CxlRplcRsn	Required for AllocTransType = Replace or Cancel Gives the reason for replacing or cancelling the allocation report		
793	SecondaryAllocID		AllocID2	Optional second identifier for this allocation instruction (need not be unique)		
1730	AllocGroupID		GrpID	Group identifier assigned by the clearinghouse	New	Used by the CCP to group allocations.
1728	FirmGroupID		FirmGrpID	Firm assigned entity identifier for the allocation.	New	Used by the firm to group allocations
794	AllocReportType	Y	RptTyp	Specifies the purpose or type of Allocation Report message		
87	AllocStatus	Y	Stat		enum Add	Added several new conditions to accommodate average price and grouping give-up processing.
88	AllocRejCode		RejCode	Required for AllocStatus = 1 (rejected)		
72	RefAllocID		RefAllocID	Required for AllocTransType = Replace or Cancel		
1738	AllocReversalStatus		RvslStat	Can be used for reporting on status of reversal transaction when AllocReportType(794) is 18 (Alleged reversal) or 17 (Reversal).	New	Used only for reporting on status of the reversal transaction by the CCP.
808	AllocIntermedReqType		IntermedReqTyp	Required if AllocReportType = 8 (Request to Intermediary) Indicates status that is requested to be transmitted to counterparty by the intermediary (i.e. clearing house)		

196	AllocLinkID		LinkID	Can be used to link two different Allocation messages (each with unique AllocID) together, i.e. for F/X "Netting" or "Swaps"		
197	AllocLinkType		LinkTyp	Can be used to link two different Allocation messages and identifies the type of link. Required if AllocLinkID is specified.		
466	BookingRefID		BkngRefID			
715	ClearingBusinessDate		BizDt	Indicates Clearing Business Date for which transaction will be settled.		
828	TrdType		TrdTyp	Indicates Trade Type of Allocation.		
829	TrdSubType		TrdSubTyp	Indicates TradeSubType of Allocation. Necessary for defining groups.		
442	MultiLegReportingType		MLegRptType	Indicates MultiLegReportType of original trade marked for allocation.		
582	CustOrderCapacity		CustCpcty	Indicates CTI of original trade marked for allocation.		
578	TradeInputSource		InptSrc	Indicates input source of original trade marked for allocation.		
991	RndPx		RndPx	Specifies the rounded price to quoted precision.		
101	MessageEventSource1		MsgEvtSrc	Used to identify the event or source which gave rise to a message.		
579	TradeInputDevice		InptDev	Specific device number, terminal number or station where trade was entered		
819	AvgPxIndicator		AvgPxInd	Indicates if an allocation is to be average priced. Is also used to indicate if average price allocation group is complete or incomplete.		
1731	AvgPxGroupID		AvgPxGrpID	Firm designated group identifier for average pricing.	New	Used by firms to group allocations for average pricing.
857	AllocNoOrdersType		NoOrdsTyp	Indicates how the orders being booked and allocated by an Allocation Instruction or Allocation Report message are identified, e.g. by explicit definition in the OrdAllocGrp or ExecAllocGrp	Change	Former Description "Indicates how the orders being booked and allocated by an Allocation Instruction or Allocation Report message are identified, i.e. by explicit definition"

				components , or not identified explicitly.		in the NoOrders group or not."
Component <OrdAllocGrp>			OrdAlloc	<i>Indicates number of orders to be combined for allocation. If order(s) were manually delivered set to 1 (one).Required when AllocNoOrdersType = 1</i>		
Component <ExecAllocGrp>			AllExc	<i>Indicates number of individual execution or trade entries. Absence indicates that no individual execution or trade entries are included. Primarily used to support step-outs.</i>	Change	Former Description "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."
570	PreviouslyReported		PrevllyRpted			
700	ReversalIndicator		ReversalInd			
574	MatchType		MtchTyp			
54	Side	Y	Side			
Component <Instrument>		Y	Instrmt	<i>Components of Application Messages". For NDFs, fixing date (specified in MaturityDate(541)) is required. Fixing time (specified in MaturityTime(1079)) is optional.</i>		
Component <InstrumentExtension>			InstrmtExt	<i>Insert here the set of "InstrumentExtension" fields defined in "Common Components of Application Messages"</i>		
Component <FinancingDetails>			FinDetls	<i>Insert here the set of "FinancingDetails" fields defined in "Common Components of Application Messages"</i>		
Component <UndInstrmtGrp>			Undly			
Component <InstrmtLegGrp>			Leg			
53	Quantity	Y	Qty	Total quantity (e.g. number of shares) allocated to all accounts, or that is Ready-To-Book		
854	QtyType		QtyTyp			
1736	AllocGroupQuantity		GrpQty		New	
1737	AllocGroupRemainingQuantity		RemQty		New	

30	LastMkt		LastMkt	Market of the executions.		
229	TradeOriginationDate		OrignDt			
336	TradingSessionID		SesID			
625	TradingSessionSubID		SesSub			
423	PriceType		PxTyp			
6	AvgPx	Y	AvgPx	For FX orders, should be the "all-in" rate (spot rate adjusted for forward points), expressed in terms of Currency(15).		
860	AvgParPx		AvgParPx			
Component <SpreadOrBenchmarkCurveData>			SprdBnmkCurve	Insert here the set of "SpreadOrBenchmarkCurveData" fields defined in "Common Components of Application Messages"		
15	Currency		Ccy	Currency of AvgPx. Should be the currency of the local market or exchange where the trade was conducted.		
74	AvgPxPrecision		AvgPxPrecision	Absence of this field indicates that default precision arranged by the broker/institution is to be used		
Component <Parties>			Pty	Insert here the set of "Parties" (firm identification) fields defined in "Common Components of Application Messages"		
75	TradeDate	Y	TrdDt			
60	TransactTime		TxnTm	Date/time when allocation is generated		
63	SettlType		SettlTyp			
64	SettlDate		SettlDt	Takes precedence over SettlType value and conditionally required/omitted for specific SettlType values. Required for NDFs to specify the "value date".		
775	BookingType		BkngTyp	Method for booking. Used to provide notification that this is to be booked out as an OTC derivative (e.g. CFD or similar). Absence of this field implies regular booking.		

381	GrossTradeAmt		GrossTrd Amt	Expressed in same currency as AvgPx(6). (Quantity(53) * AvgPx(6) or AvgParPx(860)) or sum of (AllocQty(80) * AllocAvgPx(153) or AllocPrice(366)). For Fixed Income, AvgParPx(860) is used when AvgPx(6) is not expressed as "percent of par" price.		
238	Concession		Concession			
237	TotalTakedown		TotTakedown			
118	NetMoney		NetMny	Expressed in same currency as AvgPx. Sum of AllocNetMoney. For FX expressed in terms of Currency(15).		
77	PositionEffect		PosEfct			
754	AutoAcceptIndicator		AutoAcceptInd	Indicates if Allocation has been automatically accepted on behalf of the Carry Firm by the Clearing House		
58	Text		Txt			
354	EncodedTextLen		EncTxtLen	Must be set if EncodedText field is specified and must immediately precede it.		
355	EncodedText		EncTxt	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.		
157	NumDaysInterest		NumDaysInt	Applicable for Convertible Bonds and fixed income		
158	AccruedInterestRate		AcrdIntRt	Applicable for Convertible Bonds and fixed income		
159	AccruedInterestAmt		AcrdIntAmt	Sum of AllocAccruedInterestAmt within repeating group.		
540	TotalAccruedInterestAmt		TotAcrdIntAmt			
738	InterestAtMaturity		IntAtMat			
920	EndAccruedInterestAmt		EndAcrdIntAmt	For repurchase agreements the accrued interest on termination.		
921	StartCash		StartCsh	For repurchase agreements the start (dirty) cash consideration		

922	EndCash		EndCsh	For repurchase agreements the end (dirty) cash consideration		
650	LegalConfirm		LegalCnf m			
<i>Component <Stipulations></i>			<i>Stip</i>			
<i>Component <YieldData></i>			<i>Yield</i>			
<i>Component <PositionAmountData></i>			<i>Amt</i>	<i>Insert here here the set of "Position Amount Data" fields defined in "Common Components of Application Messages"</i>		
892	TotNoAllocs		TotNoAll ocs	Indicates total number of allocation groups (used to support fragmentation). Must equal the sum of all NoAllocs values across all message fragments making up this allocation instruction. Only required where message has been fragmented.		
893	LastFragment		LastFragm ent	Indicates whether this is the last fragment in a sequence of message fragments. Only required where message has been fragmented.		
<i>Component <AllocGrp></i>			<i>Alloc</i>	<i>Conditionally required except when AllocTransType = Cancel, or when AllocType = "Ready-to-book" or "Warehouse instruction"</i>		
<i>Component <RateSource></i>			<i>RtSrc</i>			
<i>Component <StandardTrailer></i>		Y				

5.4 AllocationReportAck

Tag	Field Name	Req'd	XMLName	FIX Spec Comments	Action	Mappings and Usage Comments
Component <StandardHeader>		Y		MsgType = AT		
755	AllocReportID	Y	RptID			
70	AllocID		AllocID			
715	ClearingBusinessDate		BizDt	Indicates Clearing Business Date for which transaction will be settled.		
819	AvgPxIndicator		AvgPxInd	Indicates if an allocation is to be average priced. Is also used to indicate if average price allocation group is complete or incomplete.		
53	Quantity		Qty			
71	AllocTransType		TransTyp			
Component <Parties>			Pty	Insert here the set of "Parties" (firm identification) fields defined in "Common Components of Application Messages"		
793	SecondaryAllocID		AllocID2	Optional second identifier for the allocation report being acknowledged (need not be unique)		
1730	AllocGroupID		GrpID	Group identifier assigned by the clearing house	New	Used by the CCP to group allocations.
1728	FirmGroupID		FirmGrpID	Firm assigned entity identifier for the allocation.	New	Used by the firm to group allocations
1731	AvgPxGroupID		AvgPxGrpID	Firm designated group identifier for average pricing.	New	Used by firms to group allocations for average pricing.
75	TradeDate		TrdDt			
60	TransactTime		TxnTm	Date/Time Allocation Report Ack generated		
87	AllocStatus		Stat	Denotes the status of the allocation report; received (but not yet processed), rejected (at block or account level) or accepted (and processed). AllocStatus will be conditionally required in a 2-party model when used by a counterparty to convey a change in	enum Add	Added several new conditions to accommodate average price and grouping give-up processing.

				status. It will be optional in a 3-party model in which only the central counterparty may issue the status of an allocation		
88	AllocRejCode		RejCode	Required for AllocStatus = 1 (block level reject) and for AllocStatus 2 (account level reject) if the individual accounts and reject reasons are not provided in this message		
794	AllocReportType		RptTyp			
808	AllocIntermedReqType		IntermedReqTyp	Required if AllocReportType = 8 (Request to Intermediary) Indicates status that is requested to be transmitted to counterparty by the intermediary (i.e. clearing house)		
573	MatchStatus		MtchStat	Denotes whether the financial details provided on the Allocation Report were successfully matched.		
460	Product		Prod			
167	SecurityType		SecTyp			
58	Text		Txt	Can include explanation for AllocRejCode = 7 (other)		
354	EncodedTextLen		EncTxtLen	Must be set if EncodedText field is specified and must immediately precede it.		
355	EncodedText		EncTxt	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.		
Component <AllocAckGrp>			AllocAck	<i>This repeating group is optionally used for messages with AllocStatus = 2 (account level reject) to provide details of the individual accounts that caused the rejection, together with reject reasons. This group should not be populated where AllocStatus has any other value. Indicates number of allocation groups to follow.</i>		

<i>Component</i> <StandardTrailer>	<i>Y</i>				
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5.5 AllocationInstructionAlert

Tag	Field Name	Required	XMLName	FIX Spec Comments	Action	Mappings and Usage Comments
	Component <StandardHeader>	Y		MsgType = BM		
70	AllocID	Y	AllocID	Unique identifier for this allocation instruction alert message		
71	AllocTransType	Y	TransTyp	i.e. New, Cancel, Replace		
626	AllocType	Y	AllocType	Specifies the purpose or type of Allocation message	enum Add	Added an enum for Re-open Group.
793	SecondaryAllocID		AllocID2	Optional second identifier for this allocation instruction (need not be unique)		
72	RefAllocID		RefAllocID	Required for AllocTransType = Replace or Cancel		
796	AllocCancReplaceReason		CxlRplcRsn	Required for AllocTransType = Replace or Cancel Gives the reason for replacing or cancelling the allocation instruction		
808	AllocIntermedReqType		IntermedReqTyp	Required if AllocType = 8 (Request to Intermediary) Indicates status that is requested to be transmitted to counterparty by the intermediary (i.e. clearing house)		
196	AllocLinkID		LinkID	Can be used to link two different Allocation messages (each with unique AllocID) together, i.e. for F/X "Netting" or "Swaps"		
197	AllocLinkType		LinkTyp	Can be used to link two different Allocation messages and identifies the type of link. Required if AllocLinkID is specified.		
1730	AllocGroupID		GrpID	Group identifier assigned by the clearing house	New	Used by the CCP to group allocations.
1728	FirmGroupID		FirmGrpID	Firm assigned entity identifier for the allocation.	New	Used by the firm to group allocations
466	BookingRefID		BkngRefID	Can be used with AllocType=" Ready-To-Book "		
857	AllocNoOrdersType		NoOrdsTyp	Indicates how the orders being booked and	Change	Former Description

				allocated by an Allocation Instruction or Allocation Report message are identified, e.g. by explicit definition in the OrdAllocGrp or ExecAllocGrp components , or not identified explicitly.		"Indicates how the orders being booked and allocated by an Allocation Instruction or Allocation Report message are identified, i.e. by explicit definition in the NoOrders group or not."
<i>Component</i> <OrdAllocGrp>			<i>OrdAlloc</i>	<i>Indicates number of orders to be combined for allocation. If order(s) were manually delivered set to 1 (one).Required when AllocNoOrdersType = 1</i>		
<i>Component</i> <ExecAllocGrp>			<i>AllExc</i>	<i>Indicates number of individual execution or trade entries. Absence indicates that no individual execution or trade entries are included. Primarily used to support step-outs.</i>	Change	Former Description "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."
570	PreviouslyReported		PrevllyRpted			
700	ReversalIndicator		ReversalInd			
574	MatchType		MtchTyp			
54	Side	Y	Side			
<i>Component</i> <Instrument>		Y	<i>Instrmt</i>	<i>Insert here the set of "Instrument" (sybology) fields defined in "common components of application messages"</i>		
<i>Component</i> <InstrumentExtension>			<i>InstrmtExt</i>	<i>Insert here the set of "InstrumentExtension" fields defined in "common components of application messages"</i>		
<i>Component</i> <FinancingDetails>			<i>FinDetls</i>	<i>Insert here the set of "FinancingDetails" fields defined in "common components of application messages"</i>		
<i>Component</i> <UndInstrmtGrp>			<i>Undly</i>			
<i>Component</i> <InstrmtLegGrp>			<i>Leg</i>			
53	Quantity	Y	Qty	When not using allocation groups, this is the total quantity (e.g. number of shares) allocated to all accounts, or that is Ready-To-Book. When using	Change	Old: Total quantity (e.g. number of shares) allocated to all accounts, or that is Ready-To-Book

				allocation groups, this is the quantity added or removed when trades are added to or removed from an allocation group. To remove quantity from the allocation group a negative value is specified in Quantity(53). When the allocation group quantity is unchanged, such as when AllocType(626) changes from 12(Incomplete group) to 13(Complete group) , the value for Quantity(53) should be zero (0).		
854	QtyType		QtyTyp			
173 6	AllocGroupQuantity		GrpQty	Indicates the total quantity of an allocation group. Includes any allocated quantity.	New	
173 7	AllocGroupRemainingQuantity		RemQty	Indicates the remaining quantity of an allocation group that has not yet been allocated.	New	
30	LastMkt		LastMkt	Market of the executions.		
229	TradeOriginationDate		OrignDt			
336	TradingSessionID		SesID			
625	TradingSessionSubID		SesSub			
423	PriceType		PxTyp			
6	AvgPx		AvgPx	For F/X orders, should be the "all-in" rate (spot rate adjusted for forward points). For 3rd party allocations used to convey either basic price or averaged price Optional for average price allocations in the listed derivatives markets where the central counterparty calculates and manages average price across an allocation group.		
860	AvgParPx		AvgParPx			
<i>Component <SpreadOrBenchmarkCurveData></i>			<i>SprdBnchmkCurve</i>	<i>Insert here the set of "SpreadOrBenchmarkCurveData" fields defined in "common components of</i>		

				<i>application messages"</i>		
15	Currency		Ccy	Currency of AvgPx. Should be the currency of the local market or exchange where the trade was conducted.		
74	AvgPxPrecision		AvgPxPrecision	Absence of this field indicates that default precision arranged by the broker/institution is to be used		
Component <Parties>			Pty	<i>Insert here the set of "Parties" (firm identification) fields defined in "common components of application messages"</i>		
75	TradeDate	Y	TrdDt			
60	TransactTime		TxnTm	Date/time when allocation is generated		
87	AllocStatus		Stat	Identifies status of allocation.	Add	Adding this field at the request of CCP firms to provide more complete communication. Do we need to add AllocReversalStatus to this msg?
63	SettlType		SettlTyp			
64	SettlDate		SettlDt	Takes precedence over SettlType value and conditionally required/omitted for specific SettlType values.		
775	BookingType		BkngTyp	Method for booking. Used to provide notification that this is to be booked out as an OTC derivative (e.g. CFD or similar). Absence of this field implies regular booking.		
381	GrossTradeAmt		GrossTrdAmt	Expressed in same currency as AvgPx. Sum of (AllocQty * AllocAvgPx or AllocPrice).		
238	Concession		Concession			
237	TotalTakedown		TotTakedown			
118	NetMoney		NetMny	Expressed in same currency as AvgPx. Sum of AllocNetMoney.		
77	PositionEffect		PosEfct			
754	AutoAcceptIndicator		AutoAcceptInd	Indicates if Allocation has been automatically accepted on behalf of the Carry Firm by the		

				Clearing House		
58	Text		Txt			
354	EncodedTextLen		EncTxtLen	Must be set if EncodedText field is specified and must immediately precede it.		
355	EncodedText		EncTxt	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.		
157	NumDaysInterest		NumDaysInt	Applicable for Convertible Bonds and fixed income		
158	AccruedInterestRate		AcrdIntRt	Applicable for Convertible Bonds and fixed income		
159	AccruedInterestAmt		AcrdIntAmt	Applicable for Convertible Bonds and fixed income (REMOVED FROM THIS LOCATION AS OF FIX 4.4, REPLACED BY AllocAccruedInterest)		
540	TotalAccruedInterestAmt		TotAcrdIntAmt	(Deprecated) use AccruedInterestAmt Sum of AccruedInterestAmt within repeating group.		
738	InterestAtMaturity		IntAtMat			
920	EndAccruedInterestAmt		EndAcrdIntAmt	For repurchase agreements the accrued interest on termination.		
921	StartCash		StartCsh	For repurchase agreements the start (dirty) cash consideration		
922	EndCash		EndCsh	For repurchase agreements the end (dirty) cash consideration		
650	LegalConfirm		LegalCnf m			
Component <Stipulations>			Stip			
Component <YieldData>			Yield			
Component <PositionAmountData>			Amt	Insert here here the set of "Position Amount Data" fields defined in "Common Components of Application Messages"		
892	TotNoAllocs		TotNoAll ocs	Indicates total number of allocation groups (used to support fragmentation). Must equal the sum of all NoAllocs values across		

				all message fragments making up this allocation instruction. Only required where message has been fragmented.		
893	LastFragment		LastFragment	Indicates whether this is the last fragment in a sequence of message fragments. Only required where message has been fragmented.		
Component <AllocGrp>			Alloc	Indicates number of allocation groups to follow. Not required for AllocTransType=Cancel Not required for AllocType="Ready-To-Book" or "Warehouse instruction".		
819	AvgPxIndicator		AvgPxInd	Indicates if an allocation is to be average priced. Is also used to indicate if average price allocation group is complete or incomplete.		
1731	AvgPxGroupID		AvgPxGrpID	Firm designated group identifier for average pricing	New	Used by firms to group allocations for average pricing.
715	ClearingBusinessDate		BizDt	Indicates Clearing Business Date for which transaction will be settled.		
828	TrdType		TrdTyp	Indicates Trade Type of Allocation.		
829	TrdSubType		TrdSubTyp	Indicates TradeSubType of Allocation. Necessary for defining groups.		
582	CustOrderCapacity		CustCpcty	Indicates CTI of original trade marked for allocation.		
578	TradeInputSource		InptSrc	Indicates input source of original trade marked for allocation.		
442	MultiLegReportingType		MLegRptType	Indicates MultiLegReportType of original trade marked for allocation.		
1011	MessageEventSource		MsgEvtSrc	Used to identify the event or source which gave rise to a message.		
991	RndPx		RndPx	Specifies the rounded price to quoted precision.		
Component <StandardTrailer>		Y				

6 FIX component blocks

6.1 AllocGrp

Tag	Field Name	Req'd	XML Name	Comments	Action	Mappings and Usage Comments
78	NoAllocs					
à	79 <i>AllocAccount</i>		Acct	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. Conditionally required except when for AllocTransType="Cancel", or when AllocType="Ready-To-Book" or "Warehouse instruction".		
à	661 <i>AllocAcctIDSource</i>		ActIDSrc			
à	573 <i>MatchStatus</i>		MtchStat			
à	366 <i>AllocPrice</i>		Px	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.		
à	80 <i>AllocQty</i>		Qty	Conditionally required except when for AllocTransType="Cancel", or when AllocType="Ready-To-Book" or "Warehouse instruction".		
à	467 <i>IndividualAllocID</i>		IndAllocID			

à	1729	FirmMnemonic		FirmMnemonic	Allocation identifier assigned by the Firm submitting the allocation for an individual allocation instruction (as opposed to the overall message level identifier)	New	Optional field used by the firm to provide an identifier, such as a mnemonic that is used by the giveup firm and possibly the takeover firm.
à	1593	ParentAllocID		ParentAllocID			
à	81	ProcessCode		ProcCode			
à	989	SecondaryIndividualAllocID		IndAllocID2	Can be used by an intermediary to specify an allocation ID assigned by the intermediary's system.		
à	1002	AllocMethod		Meth	Specifies the method under which a trade quantity was allocated.		
à	1735	AllocationRollupInstruction		AllocRollupInst		New	Used to automate rollup processing.
à	993	AllocCustomerCapacity		CustCpcty	Can be used for granular reporting of separate allocation detail within a single trade report or allocation message.		
à	1047	AllocPositionEffect		AllocPosEfct			
à	992	IndividualAllocationType		Typ			
Component <NestedParties>				Alloc/Pty (Repeating)	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, ClientID, Settlement location (PSET), etc. Note: this field can be used for settlement location (PSET) information.		
à	208	NotifyBrokerOfCredit		NotifyBrokerOfCredit			
à	209	AllocHandInst		HandInst			
à	161	AllocText		Txt	Free format text field related to this AllocAccount		

à	360	<i>EncodedAllocTextLen</i>		EncAllocTextLen	Must be set if EncodedAllocText field is specified and must immediately precede it.		
à	361	<i>EncodedAllocText</i>		EncAllocText	Encoded (non-ASCII characters) representation of the AllocText field in the encoded format specified via the MessageEncoding field.		
à	1732	<i>FirmAllocText</i>		<i>FirmText</i>		New	Provided for use by firms to submit internal reference information for the allocation that will not be passed onto the takeup firm.
à	1733	<i>EncodedFirmAllocTextLen</i>				New	
à	1734	<i>EncodedFirmAllocText</i>				New	
<i>Component <CommissionData></i>				<i>Alloc/Comm</i>	<i>Insert here the set of "CommissionData" fields defined in "Common Components of Application Messages"</i>		
à	153	<i>AllocAvgPx</i>		AvgPx	AvgPx for this AllocAccount. For F/X orders, should be the "all-in" rate (spot rate adjusted for forward points) for this allocation, expressed in terms of Currency(15). For Fixed Income always express value as "percent of par".		
à	154	<i>AllocNetMoney</i>		NetMny	NetMoney for this AllocAccount ((AllocQty * AllocAvgPx) - Commission - sum of MiscFeeAmt + AccruedInterestAmt) if a Sell. ((AllocQty * AllocAvgPx) + Commission + sum of MiscFeeAmt + AccruedInterestAmt) if a Buy. For FX, if specified, expressed in terms of Currency(15).		
à	119	<i>SettlCurrAmt</i>		SettlCurrAmt	Replaced by AllocSettlCurrAmt		

à	737	<i>AllocSettlCurrAmt</i>		AllocSettlCurrAmt	AllocNetMoney in AllocSettlCurrency for this AllocAccount if AllocSettlCurrency is different from "overall" Currency		
à	120	<i>SettlCurrency</i>		SettlCcy	Replaced by AllocSettlCurrency SettlCurrency for this AllocAccount if different from "overall" Currency. Required if SettlCurrAmt is specified.		
à	736	<i>AllocSettlCurrency</i>		AllocSettlCcy	AllocSettlCurrency for this AllocAccount if different from "overall" Currency. Required if AllocSettlCurrAmt is specified. Required for NDFs.		
à	155	<i>SettlCurrFxRate</i>		SettlCurrFxRt	Foreign exchange rate used to compute AllocSettlCurrAmt from Currency to AllocSettlCurrency		
à	156	<i>SettlCurrFxRateCalc</i>		SettlCurrFxRtCalc	Specifies whether the SettlCurrFxRate should be multiplied or divided		
à	742	<i>AllocAccruedInterestAmt</i>		AcrdIntAmt	Applicable for Convertible Bonds and fixed income		
à	741	<i>AllocInterestAtMaturity</i>		IntAtMat	Applicable for securities that pay interest in lump-sum at maturity		
<i>Component <MiscFeesGrp></i>				<i>Alloc/MiscFees (Repeating)</i>			
<i>Component <ClrInstGrp></i>				<i>Alloc/ClrInst (Repeating)</i>			
à	635	<i>ClearingFeeIndicator</i>		ClrFeeInd			
à	780	<i>AllocSettlInstType</i>		SettlInstTyp	Used to indicate whether settlement instructions are provided on this message, and if not, how they are to be derived. Absence of this field implies use of default instructions.		

Component <SettlInstructionsData>		Alloc/Set Instr	Insert here the set of "SettlInstructionsData" fields defined in "Common Components of Application Messages" Used to communicate settlement instructions for this AllocAccount detail. Required if AllocSettlInstType = 2 or 3.		
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6.2 AllocAckGrp

Tag	Field Name	Req'd	XML Name	Comments	Action	Mappings and Usage Comments
78	NoAllocs			This repeating group is optionally used for messages with AllocStatus = 2 (account level reject), AllocStatus = 0 (accepted), to provide details of the individual accounts that were accepted or rejected. In the case of a reject, the reasons for the rejection should be specified. This group should not be populated where AllocStatus has any other value. Indicates number of allocation groups to follow.		
à	79		AllocAccount	Acct	Required if NoAllocs > 0. Must be first field in repeating group.	
à	661		AllocAcctIDS	ActIDSr ource		
à	366		AllocPrice	Px	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.	
à	1047		AllocPosition	AllocPos Efct		

à	467	<i>IndividualAllocID</i>		IndAllocID			
à	1593	<i>ParentAllocID</i>		ParentAllocID	Contains the IndividualAllocId (tag 467) value of the allocation that is being offset as a result of a new allocation. This would be an optional field that would only be populated in the case of an allocation of an allocation (as well as any subsequent allocations). This would not be populated for an initial allocation since an allocation id is not supplied on default (initial) allocations.		
à	1729	<i>FirmMnemonic</i>		FirmMnemonic		New	Optional field used by the firm to provide an identifier, such as a mnemonic that is used by the giveup firm and possibly the takeup firm.
à	776	<i>IndividualAllocRejCode</i>		IndAllocRejCode	Required if NoAllocs > 0.		
<i>Component <NestedParties></i>				<i>AllocAck/Pty (Repeating)</i>			
à	161	<i>AllocText</i>		Txt	Free format text field related to this AllocAccount (can be used here to hold text relating to the rejection of this AllocAccount)		
à	360	<i>EncodedAllocTextLen</i>		EncAllocTextLen	Must be set if EncodedAllocText field is specified and must immediately precede it.		
à	361	<i>EncodedAllocText</i>		EncAllocText	Encoded (non-ASCII characters) representation of the AllocText field in the encoded format specified via the MessageEncoding field.		
à	1732	<i>FirmAllocText</i>		FirmTxt		New	Provided for use by firms to submit internal reference information for the allocation that will not be passed onto the takeup firm.
à	1734	<i>EncodedFirmAllocTextLen</i>				New	

à	1735	EncodedFirmAllocText				New	
à	989	SecondaryIndividualAllocID		IndAllocID2	Will allow the intermediary to specify an allocation ID generated by the system		
à	993	AllocCustomerCapacity		CustCpcty	Will allow for granular reporting of separate allocation detail within a single trade report or allocation message.		
à	992	IndividualAllocType		Typ	Identifies whether the allocation is to be sub-allocated or allocated to a third party.		
à	80	AllocQty		Qty	Quantity to be allocated to specific sub-account		

6.3 ExecAllocGrp

Tag	Field Name	Req'd	XML Name	Comments	Action	Mappings and Usage Comments
124	NoExecs			Indicates number of individual execution or trade entries. Absence indicates that no individual execution or trade entries are included. Primarily used to support step-outs.	Change	Former Description "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."
à	32	LastQty		LastQty	Amount of quantity (e.g. number of shares) in individual execution. Required if NoExecs > 0	
à	17	ExecID		ExecID		
à	527	SecondaryExecID		ExecID2		
à	31	LastPx		LastPx	Price of individual execution. Required if NoExecs > 0. For FX, if specified, expressed in terms of Currency(15).	

à	669	<i>LastParPx</i>		LastParPx	Last price expressed in percent-of-par. Conditionally required for Fixed Income trades when LastPx is expressed in Yield, Spread, Discount or any other price type		
à	29	<i>LastCapacity</i>		LastCpcty	Used to identify whether the trade was executed on an agency or principal basis.		
à	1003	<i>TradeID</i>		TrdID			
à	1041	<i>FirmTradeID</i>		FirmTrdID			

7 Appendix A - Data Dictionary

Tag	Field Name	FIXML Abbreviation	Data type	Description	Enumerations	Action	Add to / Deprecate from Message type or Component block
87	AllocStatus	Stat	int	Identifies status of allocation.	0 = Accepted (successfully processed) 1 = Block level reject 2 = Account level reject 3 = Received (received, not yet processed) 4 = Incomplete 5 = Rejected by intermediary 6 = Allocation pending 7 = Reversed 9 = Claimed 10= Refused 12 = Cancelled 8 = Cancelled by intermediary 14 = Reversal pending 11 = Pending give-up approval 13 = Pending take-up approval	enum Add	
124	NoExecs		NumInGroup	Number of executions or trades.		Change	Former Description in SP2 Errata

							No of execution repeating group entries to follow.
626	AllocType	AllocType	int	Describes the specific type or purpose of an Allocation message (i.e. "Buyside Calculated") (see Volume : "Glossary" for value definitions) *** SOME VALUES HAVE BEEN REPLACED - See "Replaced Features and Supported Approach" ***	1 = Calculated (includes MiscFees and NetMoney) 2 = Preliminary (without MiscFees and NetMoney) 3 = Sellside calculated using preliminary (includes MiscFees and NetMoney) (Replaced) 4 = Sellside calculated without preliminary (sent unsolicited by sellside, includes MiscFees and NetMoney) (Replaced) 5 = Ready-To-Book - single order 6 = Buyside Ready-To-Book - combined set of orders (Replaced) 7 = Warehouse instruction 8 = Request to intermediary 9 = Accept - propose to deprecate 10 = Reject - propose to deprecate 11 = Accept Pending - propose to deprecate 12 = Incomplete group 13 = Complete group 14 = Reversal Pending - propose to deprecate 17 = Give-up 18= Take-up 19= Refuse take-up	enum Add	

					20= Initiate reversal 21 = Reverse 22 = Refuse reversal 15 = Re-open group 23 = Sub-allocation give-up 16 = Cancel group 24 =Approve give-up 25 = Approve take-up		
794	AllocReportType	RptType	int	Describes the specific type or purpose of an Allocation Report message	2 - Preliminary request to intermediary 3 - Sellside calculated using preliminary (includes MiscFees and NetMoney) 4 - Sellside calculated without preliminary (sent unsolicited by sellside, includes MiscFees and NetMoney) 5 - Warehouse recap 8 - Request to intermediary 9 - Accept - propose to deprecate 10 - Reject - propose to deprecate 11 - Accept Pending - propose to deprecate 12 - Complete - propose to deprecate 14 - Reverse Pending - propose to deprecate 15 = Give-up 16 = Take-up 17 = Reversal 18 = Alleged reversal 19 = Sub-allocation give-up	enum Add	

796	AllocCancRepl aceReason	CxlRplcR sn	int	Reason for cancelling or replacing an AllocationInstruction or AllocationReport message.	1 = Original details incomplete/incorrect 2 = Change in underlying order details 99 = Other 3 = Cancelled by give-up firm		
857	AllocNoOrders Type	NoOrdsTy p	int	Indicates how the orders being booked and allocated by an AllocationInstruction or AllocationReport message are identified, e.g. by explicit definition in the OrdAllocGrp or ExecAllocGrp components , or not identified explicitly.	0 = Not specified 1 = Explicit list provided	Change	Former Description "Indicates how the orders being booked and allocated by an Allocation Instruction or Allocation Report message are identified, i.e. by explicit definition in the NoOrders group or not."
452	PartyRole		int		14 = Give-up Clearing Firm (firm to which trade is given up - [deprecate] 95 = Give-up (trading) firm 96 = Take-up (trading) firm 97 = Give-up clearing firm 98 = Take-up clearing firm	Deprecate one existing value New enums	
1728	FirmGroupID	FirmGrpI D	String	Firm assigned group allocation entity identifier.		New	AllocationInstruction AllocationInstructionAlert AllocationReport AllocationReportAck

1729	FirmMnemonic	FirmMnemonic	String	Allocation identifier assigned by the Firm submitting the allocation for an individual allocation instruction (as opposed to the overall message level identifier)		New	AllocGrp AllocAckGrp
1730	AllocGroupID	GrpID	String	Intended to be used by a central counterparty to assign an identifier to allocations of trades for the same instrument traded at the same price.		New	AllocationInstruction AllocationInstructionAlert AllocationReport AllocationReportAck
1731	AvgPxGroupID	AvgPxGrpID	String	Used by submitting firm to group trades being allocated into an average price group. The trades in average price group will be used to calculate an average price for the group.		New	AllocationInstruction AllocationInstructionAlert AllocationReport AllocationReportAck
1732	FirmAllocText	FirmTxt	String	Firm reference information, usually internal information, that is part of the initial message. The information would not be carried forward (e.g. to Take-up Firm) and preserved with the transaction		New	AllocGrp AllocAckGrp
1733	EncodedFirmAllocTextLen	EncFirmTextLen	Length	Byte length of encoded (non-ASCII characters) EncodedFirmAllocText (1734) field.		New	AllocGrp AllocAckGrp
1734	EncodedFirmAllocText	EncFirmText	data	Encoded (non-ASCII characters) representation of the FirmAllocText(1732) field in the encoded format specified via the MessageEncoding (347) field. If used, the ASCII (English) representation should also be specified in FirmAllocText (1732) field.		New	AllocGrp AllocAckGrp
1735	AllocationRollupInstruction	AllocRollupInst	int	An indicator to override the normal procedure to roll up allocations for the same Take-up Firm.	0 = Roll up 1 = Do not roll up	New	AllocGrp

1736	AllocGroupQuantity	GrpQty	Qty	Indicates the total quantity of an allocation group. Includes any allocated quantity.		New	AllocationInstructionAlert AllocationReport
1737	AllocGroupRemainingQuantity	RemQty	Qty	Indicates the remaining quantity of an allocation group that has not yet been allocated.		New	AllocationInstructionAlert AllocationReport
1738	AllocReversalStatus	RvrslStat	int	Identifies the status of a reversal transaction.	0 = Completed 1 = Refused 2 = Cancelled	New	AllocationReport

8 Appendix B - Glossary Entries

Term	Definition	Field where used
Mnemonic	A mnemonic is a recognizable label that two counter parties use to relate information. It is separate from IDs and would not normally be used by the CCP but must be made available through the CCP as in the case of Give-up Processing.	Firm Mnemonic
Carry Firm	(need a definition)	

9 Appendix C – Abbreviations

Term	Proposed Abbreviation	Proposed Messages, Components, Fields where used
Mnemonic	Mnem	

10 Appendix D – State Change and ID field usage Matrices

NOTE: PRINTING THIS APPENDIX REQUIRES LEGAL SIZE (8.5 X 14 IN.) PAPER!

These tables primarily illustrate the flows documented under Sections 4.2 and 4.5

Legend:

- Bold rows are messages sent from a Firm (Executing or Carry) to the central counterparty (CCP).
- Non-bold row(s) are the CCP's response in the normal (accepted) case, or, where noted, messages triggered by events outside the allocation messaging flow.
- Red shaded rows are the CCP's response to an inbound (bold) message in the error case.
- Anything highlighted in yellow is a new enumeration requested by this Gap Analysis.

10.1 Create Allocation for give-up

Submitted by the Give-up Firm to give-up a trade to the Take-up Firm

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroupID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (CIRG assigned Alloc ID)
1.1	Create Allocation	GU Firm	CCP	Allocation Instruction (J)	0=New	17=Give-up			Rules of Engagement: Conditionally Required (when responding to an Alloc Instr Alert that specifies GrpID)	Rules of Engagement: Optionally filled for Vanilla Give-ups	<AllocID> Required (New)	N/A	Rules of Engagement: Optionally filled for Avg Px Allocations	N/A	Optionally filled	Not Present
1.2	Create Allocation Confirm to Give-up Firm	CCP	GU Firm	Allocation Report (AS)	0=New		15=Give-up	6=Allocation pending	Rules of Engagement	Rules of Engagement: Optionally filled (Initiator's Firm Group ID)	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>. Not present if the allocation was created thru a GUT) see comment below	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (New unique ID assigned by clearinghouse)	Optionally filled (Initiator's firm Allocation ID)	Rules of Engagement (New unique Id clearinghouse assigned for the transaction)
1.3	Create Allocation Error Confirm	CCP	GU Firm	AllocationInstructionAck (P)				5=Rejected by intermediary	Rules of Engagement	Rules of Engagement: Optionally	<AllocID> Reference AllocID		Optionally filled if provided in	Rules of Engagement (New unique)	Optionally filled (Initiator's)	N/A

	to Exec									filled (Initiator's Firm Group ID)	being rejected		the inbound	ID assigned by clearinghouse)	firm Allocation ID)	
1.4	Create Allocation Notification to Take-up Firm	CCP	TU Firm	Allocation Report (AS)	0=New		16=Take-up	6=Allocation pending	N/A	N/A	<RptID> Required (New)	N/A	N/A	Rules of Engagement (New unique ID assigned by clearinghouse)	N/A	Rules of Engagement (New unique Id clearinghouse assigned for the transaction)

The usage commented for AllocReportRefID isn't right. For AllocTransType=New in an AllocationReport this field is not required. It is only needed when sending an AllocationReport with AllocTransType=cancel or replace, and then it would only reference the prior AllocationReport that is being cancelled or replaced. Reference to Give-up firm's ID is done in the AllocID field of the AllocationReport.

10.2 Update Pre-claimed Allocation

Submitted by Give-up Firm to amend a previously sent give-up instruction prior to Take-up Firm taking action.

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	RefAllocID (72) / AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Clr assigned Alloc ID)
2.1	Update Allocation	GU Firm	CCP	Allocation Instruction (J)	1=Replace	17=Give-up			Rules of Engagement (sent in the Alloc Instr Alert)	Rules of Engagement: Optionally filled	<AllocID> Required (New)	<RefAllocID> Ref prior AllocID being updated	Rules of Engagement: Optionally filled for Avg Px Allocations	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation create confirm was sent)
2.2	Update Allocation Confirm to Give-up Firm	CCP	GU Firm	Allocation Report (AS)	1=Replace		15=Give-up	6=Allocation pending	Rules of Engagement	Rules of Engagement: Optionally filled (Initiator's Firm Group ID)	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>. Not present if the allocation was created thru a GUI <RptRefID> Reference previous AllocationReport see comment	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Initiator's firm Allocation ID)	Rules of Engagement (Assigned when the allocation create notice was sent)

												below				
2.3	Update Allocation Error Confirm to Give-up Firm	CCP	GU Firm	Allocation Instructions Ack (P)				5=Rejected by intermediary	Rules of Engagement	Rules of Engagement Optionally filled (Initiator's Firm Group ID)	<AllocID> Reference AllocID being rejected		Optionally filled if provided in the inbound		Optionally filled (Initiator's firm Allocation ID)	Optionally filled (If it was sent in the inbound message)
2.4	Update Allocation Notification to Take-up Firm	CCP	TU Firm	Allocation Report (AS)	1=Replace		16=Take-up	6=Allocation pending	Rules of Engagement	N/A	<RptID> Required (New)	N/A	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	N/A	Rules of Engagement (Assigned when the allocation create notice was sent)

AllocReportRefID needs to be the value from AllocReportID of the prior AllocationReport based on proper usage of this field.

10.3 Delete or Cancel Pre-claimed Allocation

Submitted by Give-up Firm to cancel or delete a previously sent give-up instruction prior to Take-up firm Taking action.

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	RefAllocID (72) / AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Clrg assigned Alloc ID)
3.1	Delete Allocation	GU Firm	CCP	Allocation Instruction (J)	2=Cancel	17=Give-up			Rules of Engagement (sent in the Alloc Instr Alert)	Optionally filled	<AllocID> Required (New)	<RefAllocID> > Ref prior AllocID being updated	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled	Rules of Engagement (Assigned when the allocation create confirm was sent)
3.2	Delete Allocation Confirm to Give-up Firm	CCP	GU Firm	Allocation Report (AS)	2=Cancel		15=Give-up	12=Canceled	Rules of Engagement	Rules of Engagement Optionally filled (Initiator's Firm Group ID)	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>.. Not present if the allocation was created thru a GUI) <RptRefID> Reference previous AllocationReport see earlier	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Initiator's firm Allocation ID)	Required by Rules of Engagement (Assigned when the allocation create confirm was sent)

												comments				
3.3	Delete Allocation Error Confirm to Give-up Firm	CCP	GU Firm	AllocationInstructionAck (P)				5=Rejected by intermediary	Rules of Engagement	Rules of Engagement Optionally filled (Initiator's Firm Group ID)	<AllocID> Reference AllocID being rejected		Optionally filled if provided in the inbound		Optionally filled (Initiator's firm Allocation ID)	Optionally filled
3.4	Delete Allocation Notification to Take-up Firm	CCP	TU Firm	Allocation Report (AS)	2=Cancel		16=Take-up	12=Canceled	N/A	N/A	<RptID> Required (New)	N/A	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	N/A	Rules of Engagement (Assigned when the allocation Create notice was sent)

10.4 Accept or Claim an Allocation

Submitted by Take-up Firm to take-up the pending allocation

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroupID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Crg assigned Alloc ID)
4.1	Accept Allocation	TU Firm	CCP	Allocation Instruction (J)	0=New	18=Take-up			N/A	N/A	<AllocID> Required (New)	N/A	N/A	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation Create notice was sent)
4.2	Accept Allocation Confirm to Take-up Firm	CCP	TU Firm	Allocation Report (AS)	0=New		16=Take-up	9=Claimed	N/A	N/A	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>.. Not present if the allocation was claimed thru a GUI) see earlier comments	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Take-up firm's Allocation ID, if specified)	Rules of Engagement (Assigned when the allocation Create notice was sent)
4.3	Accept Allocation Error Confirm to Take-up Firm	CCP	TU Firm	AllocationInstructionAck				5=Rejected by intermediary	N/A	N/A	<AllocID> Reference AllocID being rejected		N/A		Optionally filled (Claiming firm's Allocation ID, if specified)	Optionally filled

4.4	Accept Allocation Notification to Give-up Firm	CCP	GU Firm	Allocation Report (AS)	0=New		15=Give-up	9=Claimed	Rules of Engagement	Optionally filled	<AllocID> Rules of Engagement: Optionally reference AllocID of Give-up Firm's AllocationInstruction <RptID> Required (New)	N/A	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (If sent when the allocation was initially created)	Rules of Engagement (Assigned when the allocation Create confirm was sent)
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10.5 Refuse or Decline an Allocation

Submitted by Take-up Firm to refuse a pending take-up

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Crg assigned Alloc ID)
5.1	Reject Allocation	TU Firm	CCP	Allocation Instruction (J)	0=New	19=Refuse take-up			N/A	N/A	<AllocID> Required (New)	N/A	N/A	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation Create notice was sent)
5.2	Reject Allocation Confirm to Carry	CCP	TU Firm	Allocation Report (AS)	0=New		16=Take-up	10=Refused	N/A	N/A	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>.. Not present if the allocation was rejected thru a GUI) see earlier comments	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Take-up firm's Allocation ID, if specified)	Rules of Engagement (Assigned when the allocation Create notice was sent)
5.3	Reject Allocation Error Confirm to Carry	CCP	TU Firm	AllocationInstructions Ack (P)				5=Rejected by intermediary	N/A	N/A	<AllocID> Reference AllocID being rejected		N/A		Optionally filled (Claiming firm's Allocation ID, if specified)	Optionally filled

5.4	Reject Allocation Notification to Exec	CCP	GU Firm	Allocation Report (AS)	0=New		15=Give-up	10=Refused	Rules of Engagement	Rules of Engagement Optionally filled	<AllocID> Rules of Engagement: Optionally reference AllocID of Give-up Firm's AllocationInstruction <RptID> Required (New)	N/A	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (If sent when the allocation was initially created)	Rules of Engagement (Assigned when the allocation Create confirm was sent)
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10.6 Update a claimed Allocation

Submitted by Take-up Firm

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	RefAllocID (72) / AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (CIRG assigned Alloc ID)
6.1	Update Accepted Allocation	TU Firm	CCP	Allocation Instruction (J)	1=Replace	18=Take-up			N/A	N/A	<AllocID> Required (New)	<RefAllocID > Ref prior AllocID being updated	N/A	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation Create notice was sent)
6.2	Update Accepted Allocation Confirm to Take-up Firm	CCP	TU Firm	Allocation Report (AS)	1=Replace		16=Take-up	9=Claimed	N/A	N/A	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>.. Not present if the allocation was updated thru a GUI) <RptRefID> Reference previous AllocationReport see earlier comments	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Take-up firm's Allocation ID, if specified)	Rules of Engagement (Assigned when the allocation Create notice was sent)

6.3	Update Accepted Allocation Error Confirm to Take-up Firm	CCP	TU Firm	AllocationInstructionAck				5=Rejected by intermediary	N/A	N/A	<AllocID> Reference AllocID being rejected		N/A		Optionally filled (Take-up firm's Allocation ID, if specified)	Optionally filled
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10.7 Reverse a claimed allocation

Can be initiated by either the Give-up or Take-up Firm. For the purpose of illustration the term "Initiator" will be used to indicate initiator of the reversal, while Respondent is the counterparty in the reversal.

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Crlg assigned Alloc ID)
7.1	Reversal Request from Initiator	Init	CCP	Allocation Instruction (J)	0 - New	20=Initiate reversal			N/A	N/A	<ID> Required (New)	N/A	N/A	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation Create notice was sent)
7.2	Reversal Request Confirm to Initiator	CCP	Init	Allocation Report (AS)	0 - New		17= Reversal	14=Reversal pending	N/A	N/A	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>. Not present if the allocation was reversed thru a GUI) see earlier comments	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Take-up firm's Allocation ID, if specified)	Rules of Engagement (Assigned when the allocation Create notice was sent)
7.3	Reversal Request Reject Confirm to Init	CCP	Init	AllocationInstructionAck				5=Rejected by intermediary	N/A	N/A	<AllocID> Reference AllocID being rejected		N/A		Optionally filled (Take-up firm's Allocation ID, if specified)	Optionally filled

7.4	Reversal Request Notification to Respondent	CCP	Resp	Allocation Report (AS)	0 - New		18=Alleged reversal	14=Reversal pending	Rules of Engagement	Rules of Engagement: Optionally filled	<RptID> Required (New)	N/A	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (If sent when the allocation was initially created)	Rules of Engagement (Assigned when the allocation Create confirm was sent)
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10.8 Accept a reversal

Following "Reverse a claimed allocation", submitted by the Respondent firm, agreeing to the reversal of a previously claimed give-up/take-up.

Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat) / AllocReversalStatus (1738) (@RvslStat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Crlg assigned Alloc ID)
8.1	Accept Reversal Request from Respondent	Resp	CCP	Allocation Instruction (J)	0 -New	21=Reverse		Rules of Engagement (sent in the Alloc Instr Alert)	Optionally filled	<ID> Required (New)	N/A	Optionally filled for Avg Px Allocations	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation create confirm was sent to the Respondent)
8.2	Accept Reversal Confirm to Respondent	CCP	Resp	Allocation Report (AS)	0 - New	18=Alleged reversal	<Stat> 7=Reversed <RvslStat> 0=Completed	Rules of Engagement	Rules of Engagement Optionally filled (if provided in AllocInstructions)	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>. Not present if the reversal was accepted thru a GUI) see earlier comments	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Respondent's firm Allocation ID)	Rules of Engagement (Assigned during the create allocation for the Respondent)
8.3	Accept Reversal Error Confirm to Respondent	CCP	Resp	AllocationInstructionAck (P)			5=Rejected by intermediary	Rules of Engagement	Rules of Engagement Optionally	<AllocID> Reference AllocID		Optionally filled if provided in		Optionally filled (Initiator's)	Optionally filled (If it was sent)

										filled (Respondent's Firm Group ID)	being rejected		the inbound		firm Allocation ID)	in the inbound message)
8.4	Accept Reversal Notification to Initiator	CCP	Init	Allocation Report (AS)	0 – New		17=Reversal	<Stat> 7=Reversed <RvslStat> 0=Completed	N/A	N/A	<RptID> Required (New)	N/A	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Respondent firm's Allocation ID, if specified)	Rules of Engagement (Assigned when the allocation create notice was sent to the Initiator)

10.9 Reject a Reversal

Following "Reverse a claimed allocation", submitted by Respondent Firm, refusing the reversal request.

Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat) / AllocReversalStatus (1738) (@RvslStat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Cllg assigned Alloc ID)	
9.1	Reject Reversal Request from Respondent	Resp	CCP	Allocation Instruction (J)	0 - New	22=Refuse reversal			Rules of Engagement (sent in the Alloc Instr Alert)	Optionally filled	<ID> Required (New)	N/A	Optionally filled for Avg Px Allocations	N/A	Optionally filled	Rules of Engagement (Assigned when the allocation create confirm was sent to the Executing Firm)
9.2	Reject Reversal Confirm to Respondent	CCP	Resp	Allocation Report (AS)	0 - New	18=Alleged reversal	<Stat> 9=Claimed <RvslStat> 1=Refused	Rules of Engagement	Optionally filled (Respondent's Firm Group ID)	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>. Not present if the reversal was rejected thru a GUI) see earlier comments	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Respondent's firm Allocation ID)	Rules of Egnagement (Assigned during the create allocation for the Exec Side)	

9.3	Reject Reversal Error Confirm to Respondent	CCP	Exec	AllocationInstructionAck				5=Rejected by intermediary	Rules of Engagement	Optionally filled (Respondent's Firm Group ID)	<AllocID> Reference AllocID being rejected		Optionally filled if provided in the inbound	Optionally filled (Respondent's firm Allocation ID)	Optionally filled (If it was sent in the inbound message)	
9.4	Reject Reversal Notification to Carry	CCP	Init	Allocation Report (AS)	0 – New	17 = Reversal	<Stat> 9 = Claimed <RvslStat> 1 = Refused	Required by Rules of Engagement		N/A	<RptID> Required (New)	N/A	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Respondent firm's Allocation ID, if specified)	Rules of Engagement (Assigned when the allocation create notice was sent to the Claim Firm)

10.10 Cancel a Reversal

Submitted by Carry firm. Can also be initiated by the submitter of the original reversal request.

Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)/ AllocReversalStatus (1738) (@RvslStat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	RefAllocID (72) / AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Crlg assigned Alloc ID)
10.1	Cancel Reversal Request from Initiator	Int	CCP	Allocation Instruction (J)	2 - Cancel	20=Initiate reversal		N/A	N/A	<ID> Required (New)	<RefAllocID > Ref prior AllocID being updated	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled	Rules of Engagement (Assigned when the allocation Create notice was sent to the Claim Firm)
10.2	Accept Cancel Reversal Confirm to Initiator	CCP	Init	Allocation Report (AS)	2 - Cancel	17= Reversal	14=Reversal pending	N/A	N/A	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message, this is the sender's <AllocID>. Not present if the reversal was cancelled thru a GUI) <RptRefID> Reference previous AllocationRe	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (Claiming firm's Allocation ID, if specified)	Required by Rules of Engagement (Assigned when the allocation Create notice was sent to the Claim Firm)

											port see earlier comments					
10.3	Reject Cancel Reversal Error Confirm to Initiato	CCP	Init	AllocationI nstruction (P)				5=Rejected by intermediary	N/A	N/A	<AllocID> Reference AllocID being rejected		N/A		Optionally filled (Initiator firm's Allocation ID, if specified)	Optionally filled
10.4	Accept Cancel Reversal Notification to Respondent	CCP	Resp	Allocation Report (AS)	2 - Cancel		18=Alleged reversal	<Stat> 9=Claimed <RvslStat> 2 = Cancelled	Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Rules of Engagement (Will be set to the Avg Px Grp ID for Avg Px Allocations)	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (If sent when the allocation was initially created)	Rules of Engagement (Assigned when the allocation Create confirm was sent to the Executing Firm)

10.11 Sub-allocate a claimed allocation

Initiated by Take-up firm. Once this process is initiated by the Take-up firm it becomes the Give-up firm.

Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	SecondaryAllocID (793) (@AllocID2)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (Cllg assigned Alloc ID)
11.1	Sub Allocate Accepted Allocation	Orig TU Firm	CCP	Allocation Instruction (J)	0=New	23=Sub-allocation give-up		N/A	N/A	<RptID> Required (New)	N/A	N/A	Rules of Engagement (ID assigned to original allocation by clearinghouse)	Optionally filled	Rules of Engagement (Original Allocation ID)
11.2	Sub Allocate Accepted Allocation Confirm the Give-up Firm (Old Take-up firm)	CCP	Orig TU Firm, new Give-up Firm	Allocation Report (AS)	0=New	19= Sub-allocation give-up	6=Allocation pending	Rules of Engagement	Rules of Engagement: Optionally filled (Initiator's Firm Group ID)	<AllocID> If the message is being sent in response to an Alloc Instruction message, sender's AllocID <RptID> Required (New)	Conditionally filled Initiator's message ID (If the message is being sent in response to an Alloc Instrctn message. Not present if the allocation was created thru a GUI) See earlier comments	N/A	Rules of Engagement (ID assigned during create allocation by clearinghouse)	Optionally filled (If sent on the Sub allocation instruction)	Rules of Engagement (New unique Id assigned for the transaction)
11.3	Allocation Notification to the New Take-up firm	CCP	New TU Firm	Allocation Report (AS)	0=New	16=Take-up	6=Allocation pending	N/A	N/A	<RptID> Required (New)	N/A	N/A		N/A	Required (New unique Id assigned for the Claim side)
11.4	Sub Allocate Accepted Allocation Error Confirm	CCP	GU Firm	AllocationInstructionAck (P)			5=Rejected by intermediary	Rules of Engagement	Rules of Engagement Optionally filled	<AllocID> Reference AllocID being		N/A	Rules of Engagement (ID assigned during create)	Optionally filled (Initiator's firm)	N/A

										(Initiator's Firm Group ID)	rejected			allocation by clearinghouse)	Allocation ID)	
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10.12 Group Summary Notification

Notifications are sent by the CCP to the Execution firm.

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroupID (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (CIRG assigned Alloc ID)
12.1	Create Group Confirm [Triggered when the CCP or Firm creates a group.]	CCP	Exec	Allocation Instruction Alert (BM)	0=New	12=Incomplete group OR 13=Complete group		6=Allocation pending	Required by Rules of Engagement	N/A	<RptID> Required (New)	N/A	Optionally filled if the Group is an Average Price Group	N/A	N/A
12.2	Update Incomplete Group Confirm [Triggered when a trade is added to an existing group.]	CCP	Exec	Allocation Instruction Alert (BM)	1=Replace	12=Incomplete group		6=Allocation pending	Required by Rules of Engagement	N/A	<RptID> Required (New)	N/A	Conditionally filled if the Group is an Average Price Group	N/A	N/A

10.13 Group Completion

Submitted by the Executing Firm

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (CIRG assigned Alloc ID)
13.1	Complete Group	Exec	CCP	Allocation Instruction (J)	0=New	13=Complete group			Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Optionally filled if the Group is an Average Price Group	N/A	N/A
13.2	Complete Group Confirm	CCP	Exec	Allocation Instruction Alert (BM)	1=Replace	13=Complete group		6=Allocation pending	Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Conditionally filled if the Group is an Average Price Group	N/A	N/A
13.3	Complete Group Error Confirm	CCP	Exec	Allocation Instruction Alert (BM)	1=Replace	13=Complete group		5=Rejected by intermediary	Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Conditionally filled if the Group is an Average Price Group	N/A	N/A

10.14 Reopening a Group

Submitted by Executing Firm

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (CIRG assigned Alloc ID)
14.1	Un-Complete / Re-Open Group	Exec	CCP	Allocation Instruction (J)	0=New	15=Reopen group			Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Optionally filled if the Group is an Average Price Group	N/A	N/A
14.2	Un-Complete / Re-Open Group Confirm	CCP	Exec	Allocation Instruction Alert (BM)	1=Replace	15=Reopen group		6=Allocation pending	Required by Rules of Engagement		<RptID> Required (New)	N/A	Conditionally filled if the Group is an Average Price Group	N/A	N/A
14.3	Un-Complete / Re-Open Group Error Confirm	CCP	Exec	Allocation Instruction Alert (BM)	1=Replace	15=Reopen group		5=Rejected by intermediary	Required by Rules of Engagement		<RptID> Required (New)	N/A	Conditionally filled if the Group is an Average Price Group	N/A	N/A

10.15 Cancel an incomplete group

Submitted by Executing Firm

	Event	Msg From	Msg To	MsgType (35)	AllocTrans Type (71) (@TransTyp)	AllocType (626) (@Typ)	Alloc Report Type (794) (@RptTyp)	Alloc Status (87) (@Stat)	AllocGroup Id (1730) (Clearing Assigned Grp ID)	FirmGroup ID (1728) (Firm assigned Grp ID)	AllocID (70) / AllocReportID (755) (Message ID)	AllocReportRefID (795) (Message Ref ID)	AvgPxGroupID (1731) (Firm assigned Avg Px Grp ID)	IndividualAllocID (467) (Firm assigned Alloc ID)	SecondaryIndividualAllocID (989) (CIRG assigned Alloc ID)
15.1	Cancel Incomplete Group	Exec	CCP	Allocation Instruction (J)	2=Cancel	16=Cancel group			Required by Rules of Engagement	N/A	<RptID> Required (New)	N/A	Optionally filled if the Group is an Average Price Group	N/A	N/A
15.2	Cancel Incomplete Group Confirm	CCP	Exec	Allocation Instruction Alert (BM)	2=Cancel	16=Cancel group		6=Allocation pending	Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Conditionally filled if the Group is an Average Price Group	N/A	N/A
15.3	Cancel Incomplete Group Error Confirm	CCP	Exec	Allocation Instruction Alert (BM)	2=Cancel	16=Cancel group		5=Rejected by intermediary	Required by Rules of Engagement	Optionally filled	<RptID> Required (New)	N/A	Optionally filled if the Group is an Average Price Group	N/A	N/A

11 Appendix D – State Change Diagrams

The diagrams below are state change diagrams that shows the specific states being used by CME, Eurex and MEFF.

Figure 36: CME state change diagram

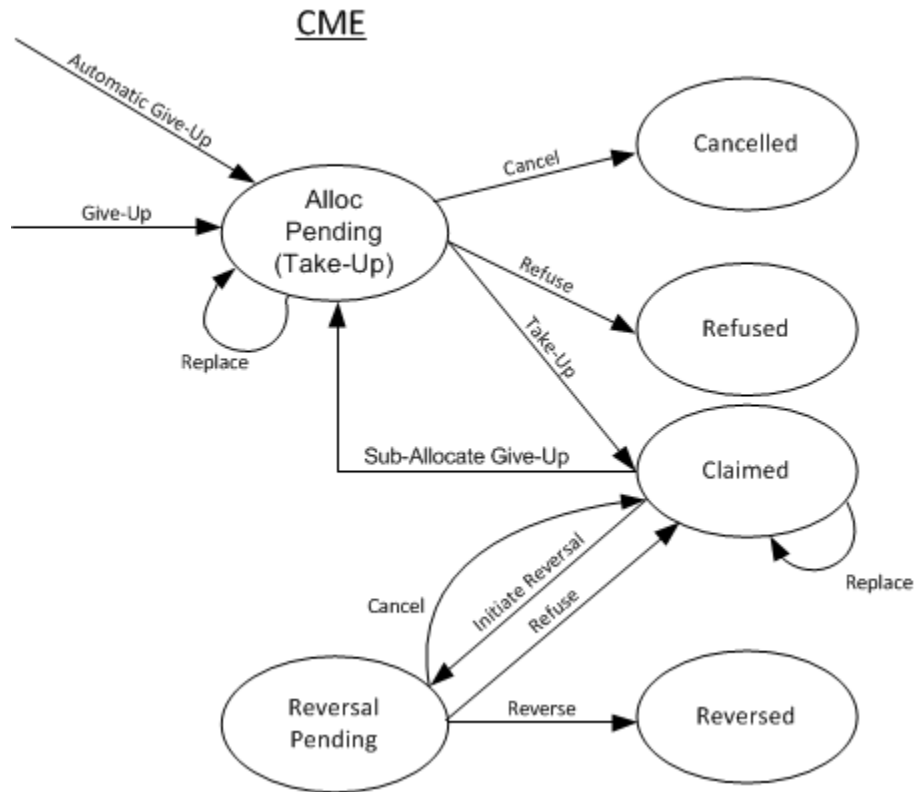


Figure 37: Eurex state change diagram

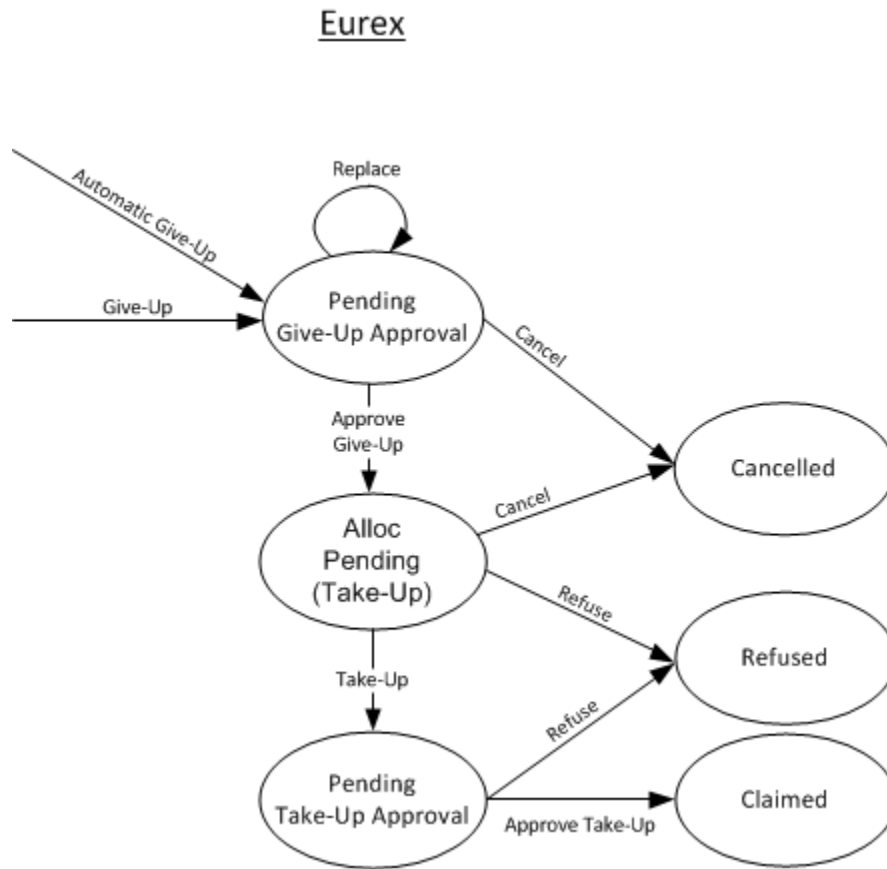


Figure 38: MEFF state change diagram

