

# Feedback Definition for Named Errors

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## Summary

During CAT processing, Inter-venue linkage<sup>1</sup> occurs for routes between two Industry Members, routes between Industry Members and Exchanges, and between CAT Trade Events and the related TRF Trade Reports.

When such events are unlinked, CAT will provide feedback to both the CAT Reporter and the entity identified as the routing, receiving or reporting party.

## 1. Named Errors

**Named Errors** represent feedback provided to the Industry Member or Plan Participant named on an Unlinked Event. Unlinked events occur when:

- Information within any field of the Linkage Key is missing or incorrect,
- The event submitted by the Routing/Receiving/Reporting party fails Ingestion validations, or
- The Routing/Receiving/Reporting party does not report the event to CAT

**CAT delivers Named Errors** with Linkage Discovery Feedback and includes a subset of fields contained in the unlinked event submitted by the CAT Reporter. These fields include:

- Error Code – the specific code assigned to the Named Error
- Linkage Key – fields participating in the linkage criteria including the sender and receiver
- Additional attributes to support the identification of the event

Named errors are considered repaired when the unlinked event is repaired.

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<sup>1</sup> Implementation dates for Inter-venue linkages are based on the published Timelines found on [www.catnmsplan.com/timelines/index.html](http://www.catnmsplan.com/timelines/index.html)

## 2. Feedback Definition

Four types of Named Errors will be provided in feedback:

- Named on an Unlinked Industry Member Order Event (ERRIM)
- Named on an Unlinked Industry Member Quote Event (ERRQT)
- Named on an Unlinked Exchange Event (ERREX)
- Named on an Unlinked Trade Report (ERRTRF)

### 2.1. Named on Unlinked Industry Member Order Event

An unlinked Industry member order event occurs when any of the following linkages fail:

- Industry Member routes an order to another Industry Member or Exchange
- Industry Member receives an order from another Industry Member or Exchange

Seq	Name	Data Type (Length)	Description
1	errorCode	Array	The CAT Error Codes associated with the Named Error. One errorCode will be assigned.  Refer to Appendix E. of the CAT Reporting Technical Specifications for Industry Members for the definition of Trade Linkage Named Error Codes.
2	errorType	Message Type	Named Error Type; Set equal to <b>ERRIM</b>
3	errorROEID	Numeric (20)	Not applicable for Named Errors.
4	firmROEID	Text(64)	firmROEID of the unlinked event as assigned by the CAT Reporter.
5	type	Message Type	Event Type of the unlinked event.
6	symbol	Symbol	Symbol when populated on the unlinked event.
7	optionID	Text(22)	OptionID when populated on the unlinked event.
8	eventTimestamp	Timestamp	Timestamp as populated on the unlinked event.
9	side	Choice	Side as populated on the unlinked event.
10	price	Price	Price as populated on the unlinked event.
11	quantity	Real Quantity	Quantity as populated on the unlinked event.
12	senderIMID	Industry Member ID / Exchange ID	senderIMID when populated on the unlinked event.
13	receiverIMID	Industry Member ID	receiverIMID when populated on the unlinked event.
14	destination	Industry Member ID / Exchange ID	destination when populated on the unlinked event.
15	routedOrderID	Text (64)	The routedOrderID as populated on the unlinked

Seq	Name	Data Type (Length)	Description
			event.
16	reservedForFutureUse		Field is Reserved for Future Use.
17	reservedForFutureUse		Field is Reserved for Future Use.

## 2.2. Named on Unlinked Industry Member Quote Event

An unlinked Industry member quote event occurs when any of the following linkages fail:

- Industry Member sends a quote to an Inter-dealer Quotation System
- Inter-dealer Quotation System receives a quote from an Industry Member

Seq	Name	Data Type (Length)	Description
1	errorCode	Array	The CAT Error Codes associated with the Named Error. One errorCode will be assigned.  Refer to Appendix E. of the CAT Reporting Technical Specifications for Industry Members for the definition of all Error Codes.
2	errorType	Message Type	Named Error Type; Set equal to <b>ERRQT</b>
3	errorROEID	Numeric (20)	Not applicable for Named Errors.
4	firmROEID	Text(64)	firmROEID of the unlinked event as assigned by the CAT Reporter.
5	type	Message Type	Event Type of the unlinked event.
6	symbol	Symbol	Symbol when populated on the unlinked event.
7	eventTimestamp	Timestamp	Timestamp as populated on the unlinked event.
8	bidPrice	Price	bidPrice as populated on the unlinked event.
9	bidQty	Whole Quantity	bidQty as populated on the unlinked event.
10	askPrice	Price	askPrice as populated on the unlinked event.
11	askQty	Whole Quantity	askQty as populated on the unlinked event.
12	senderIMID	Industry Member ID	senderIMID as populated on the unlinked event.
13	receiverIMID	Industry Member ID	receiverIMID when populated on the unlinked event.
14	destination	Industry Member ID	<i>destination</i> when populated on the unlinked event.
15	routedQuoteID	Text (64)	<i>routedQuoteID</i> as populated on the unlinked event.
16	receivedQuoteID	Text (64)	<i>receivedQuoteID</i> as populated on the unlinked event.
17	reservedForFutureUse		Field is Reserved for Future Use.
18	reservedForFutureUse		Field is Reserved for Future Use.

### 2.3. Named on Unlinked Exchange Event

An unlinked Exchange Event occurs when any of the following linkages fail:

- Exchange receives an order from an Industry Member
- Exchange routes an order to an Industry Member

Seq	Name	Data Type (Length)	Description
1	errorCode	Array	The CAT Error Codes associated with the Named Error. One errorCode will be assigned.  Refer to Appendix E. of the CAT Reporting Technical Specifications for Industry Members for the definition of Exchange Linkage Named Error Codes.
2	errorType	Message Type	Named Error Type; Set equal to <b>ERREX</b>
3	errorROEID	Numeric (20)	Not applicable for Named Errors.
4	recordID	Text(64)	Unique identifier of the unlinked exchange event as assigned by the Plan Participant
5	type	Message Type	Event Type of the unlinked event.
6	symbol	Symbol	Symbol when populated on the unlinked event.
7	optionID	Text(22)	OptionID when populated on the unlinked event.
8	eventTimestamp	Timestamp	Timestamp as populated on the unlinked event.
9	side	Choice	Side as populated on the unlinked event.
10	price	Price	Price as populated on the unlinked event.
11	quantity	Real Quantity	Quantity as populated on the unlinked event.
12	routingParty	Text(20)	RoutingParty as populated on the unlinked event.  Populated to represent the identifier used to enter the order into the exchange.
13	exchange	Exchange ID	Plan Participant Exchange Identifier.
14	routedOrderID	Text (64)	The routedOrderID when populated on the unlinked event.  Populated using identifier from Exchange Data that includes the Order Identifier for the respective exchange used as part of the linkage key.
15	session	Text (40)	Session as populated on the unlinked event.  Populated using identifier from Exchange Data that includes the Session Identifier for the respective exchange used as part of the linkage key.
16	capacity	Choice	Capacity as populated on the unlinked event.
17	reservedForFutureUse		Field is Reserved for Future Use.

Seq	Name	Data Type (Length)	Description
18	reservedForFutureUse		Field is Reserved for Future Use.

## 2.4. Named on Unlinked Trade Report

An unlinked Trade Report occurs when the following linkage fails:

- Transaction reporting system receives a trade report from an Industry Member

Seq	Name	Data Type (Length)	Description
1	errorCode	Array	The CAT Error Codes associated with the Named Error. One errorCode will be assigned.  Refer to Appendix E. of the CAT Reporting Technical Specifications for Industry Members for the definition of all Error Codes.
2	errorType	Message Type	Named Error Type Set equal to <b>ERRTRF</b>
3	errorROEID	Numeric (20)	Not applicable for Named Errors.
4	errorRecordID	Text(64)	Control Number of the unlinked Trade Report as assigned by the FINRA transaction reporting system.
5	symbol	Symbol	Symbol on the unlinked event.
6	eventTimestamp	Timestamp	Execution Timestamp as populated on the unlinked event.
7	quantity	Real Quantity	Execution Quantity on the unlinked event.
8	price	Price	Execution price on the unlinked event.
9	rptngExctgMPID	Text (5)	Reporting Side Executing MPID from the unlinked Trade Report.
10	rptngSideTradeID	Text (40)	Reporting Side Trade ID from the unlinked Trade Report.  Populated with Compliance ID in ORF and ADF; Branch Sequence Number in FINRA/NQ TRF and FINRA/NYSE TRF
11	rptngCapacity	Text (1)	Reporting Side Executing Capacity Code from the unlinked Trade Report.
12	rptngSideCode	Text (1)	Reporting Side Code from the unlinked Trade Report.
13	rptngSideShortCode	Text (1)	Reporting Side Short Code from the unlinked Trade Report.
14	contraExctgMPID	Text (5)	Contra Side Executing MPID from the unlinked Trade Report.

Seq	Name	Data Type (Length)	Description
15	contraSideTradeID	Text (40)	Contra Side Trade ID from the unlinked Trade Report. Populated with Compliance ID in ORF and ADF; Branch Sequence Number in FINRA/NQ TRF and FINRA/NYSE TRF
16	contraCapacity	Text (1)	Contra Side Executing Capacity Code from the unlinked Trade Report.
17	contraSideCode	Text (1)	Contra Side Code from the unlinked Trade Report.
18	marketCenterID	Text (2)	FINRA transaction reporting system identifier.
19	reservedForFutureUse		Field is Reserved for Future Use.
20	reservedForFutureUse		Field is Reserved for Future Use.