
Industry Checkpoint Call

July 13, 2021

Agenda

- Production Statistics
- Open Issues
- SIFMA Test
- General Announcements and Reminders
- Upcoming Key Dates
- Phase 2d Updates
- Q&A
- Appendix- Phase 2d Cutover: Schema Changes

Production Statistics

Equities – Rolling Five Day Period

Initial T+1 vs. T+5 8 am Data Ready for Regulators

June 24, 2021 – July 7, 2021

Trade Date	Late%	Rejection Initial	Rejection Adjusted	Intrafirm Initial	Intrafirm Adjusted	Interfirm Sent Initial	Interfirm Sent Adjusted	Interfirm Received Initial	Interfirm Received Adjusted	Exchange Initial	Exchange Adjusted	TRF Initial	TRF Adjusted	Overall Error Rate Initial	Overall Error Rate Adjusted
6/24/2021	.0209%	.0028%	.0010%	.0093%	.0071%	.0255%	.0134%	.0449%	.0233%	.0063%	.0007%	2.0295%	1.9835%	.0425%	.0338%
6/25/2021	.3414%	.0023%	.0002%	.0066%	.0042%	.0053%	.0006%	.7901%	.0057%	.0077%	.0019%	2.4323%	2.3570%	.4555%	.3484%
6/28/2021	.0258%	.0022%	.0002%	.0057%	.0041%	.0020%	.0011%	.0508%	.0063%	.0069%	.0007%	2.8847%	2.8499%	.0434%	.0334%
6/29/2021	.0101%	.0094%	.0074%	.0037%	.0033%	.0021%	.0012%	.0444%	.0246%	.0065%	.0006%	2.1891%	2.1463%	.0319%	.0259%
6/30/2021	.0047%	.0144%	.0001%	.0109%	.0098%	.0548%	.0540%	.0663%	.0569%	.0071%	.0012%	2.2931%	2.2483%	.0458%	.0295%
7/1/2021	.0067%	.0106%	.0001%	.0042%	.0038%	.0016%	.0011%	.0484%	.0383%	.0066%	.0006%	2.2885%	2.2570%	.0306%	.0173%
7/2/2021	.0105%	.0025%	.0002%	.0043%	.0041%	.0025%	.0019%	.0150%	.0080%	.0061%	.0006%	2.5035%	2.4742%	.0222%	.0177%
7/6/2021	.5892%	.0017%	.0001%	.0054%	.0038%	.0035%	.0021%	.9697%	.0065%	.0065%	.0006%	3.0528%	3.0262%	.7257%	.5961%
7/7/2021	.0036%	.0019%	.0001%	.0030%	.0028%	.0021%	.0016%	.0050%	.0038%	.3141%	.0006%	2.1502%	2.1292%	.0658%	.0085%

Options - Rolling Five Day Period

Initial T+1 vs. T+5 8 am Data Ready for Regulators

June 24, 2021 - July 7, 2021

Trade Date	Late%	Rejection Initial	Rejection Adjusted	Intrafirm Initial	Intrafirm Adjusted	Interfirm Sent Initial	Interfirm Sent Adjusted	Interfirm Received Initial	Interfirm Received Adjusted	Exchange Initial	Exchange Adjusted	Overall Error Rate Initial	Overall Error Rate Adjusted
6/24/2021	.0027%	.0056%	.0049%	.0086%	.0074%	.0716%	.0710%	.0796%	.0549%	.0107%	.0106%	.0199%	.0180%
6/25/2021	.0003%	.0072%	.0065%	.0092%	.0063%	.0747%	.0742%	.0581%	.0540%	.0106%	.0106%	.0192%	.0166%
6/28/2021	.0001%	.0032%	.0031%	.0062%	.0040%	.0667%	.0657%	.0617%	.0554%	.0139%	.0076%	.0138%	.0101%
6/29/2021	.0039%	.0044%	.0036%	.0085%	.0066%	.0630%	.0612%	.0649%	.0539%	.0110%	.0110%	.0177%	.0154%
6/30/2021	.0102%	.0124%	.0069%	.0159%	.0052%	.0642%	.0629%	.1335%	.1263%	.0096%	.0093%	.0389%	.0262%
7/1/2021	.0485%	.0056%	.0046%	.0070%	.0043%	.0618%	.0606%	.1037%	.0632%	20.0357%	.0065%	6.8162%	.0597%
7/2/2021	.0105%	.0106%	.0104%	.0090%	.0062%	.0830%	.0803%	.0756%	.0683%	.0086%	.0085%	.0320%	.0298%
7/6/2021	.3305%	.0081%	.0080%	.0085%	.0062%	.0736%	.0709%	6.4495%	.0599%	.0092%	.0091%	.4232%	.3472%
7/7/2021	.0164%	.0109%	.0108%	.0089%	.0057%	.0613%	.0596%	.1467%	.0576%	.0155%	.0154%	.0408%	.0375%

Open Issues (2c)

FINRA CAT File Submission and Data Integrity 2c

Open Issues List – As of 7/13/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
1	Open	N/A	Successful file delete submissions are incorrectly getting counted in the rejected files count in the statistics. Does not impact Compliance Error Rate.	Code Release	Low	2021	2021	Statistics
2	Open	N/A	FINRA CAT did not recognize the early close and improperly marked events that occurred between 1:15 and 4:15 pm ET and were reported by 8 am ET on the next CAT Trading Day as late events. Impact is limited to two days - 11/27/2020 & 12/24/2020.	Code Release	Low	2021	2021	Statistics
3	NEW-Open	N/A	File statistics screen is incorrectly displaying a blank integrity status in instances where the failure was due to a timeout or a duplicate file submission.	Code Release	Low	2021	2021	Reporter Portal
4	NEW-Open	N/A	Industry Members are intermittently experiencing a delayed display of file submissions and status in the File statistics screen on the Reporter Portal. This issue does not impact file feedback files.	Code Release	Low	2021	2021	Reporter Portal

FINRA CAT File Submission and Data Integrity 2c

Open Issues List – As of 7/13/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
5	NEW-Open	2129	FINRA CAT is incorrectly accepting firmDetails with no firmDesignatedID populated on Fulfillment and Fulfillment Amendment Events.	Code Release	Low	To be scheduled	To be scheduled	Ingestion Validations
6	NEW-Open	2121 2122	FINRA CAT is incorrectly accepting clientDetails with no orderID populated on Fulfillment and Fulfillment Amendment Events.	Code Release	Low	To be scheduled	To be scheduled	Ingestion Validations
7	NEW-Open	2098 2060	FINRA CAT is incorrectly rejecting allocation events when the symbol was effective on the tradeDate but not effective on the event date on the allocation event.	Code Release	Medium	To be scheduled	To be scheduled	Ingestion Validations

FINRA CAT Linkage 2c

Open Issues List – As of 7/13/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
1	Open	3504	FINRA CAT is generating an incorrect parent not found error for representative orders originated to aggregate other representative orders.	Code Release	Medium	Update: 8/2/2021	Update: 8/2/2021	Intrafirm Linkage Feedback
2	Open	N/A	Parent not found and Named errors that are reconciled continue to be displayed as 'U' (Unrepaired) in Error Summary & Error Search screens. Feedback & Reporting Summary statistics are not impacted by this issue.	Code Release	High	Update: Currently evaluating alternative approach	Update: Currently evaluating alternative approach	Error Summary & Error Search Reporter Portal
3	Open	3601	Out of Sequence Errors that are caused by an incorrect Time Stamp on the parent event are not being properly reconciled when the parent Time Stamp is corrected. Repaired counts and Adjusted Unlinked Rate are impacted by this issue.	Code Release	High	Update: 1Q 2022	Update: 1Q 2022	Intrafirm Statistics
4	Open	Multiple	Parent not found errors are being generated for open option orders when the option symbol changes due to corporate action.	Code Release	Low	Update: 2021 Note that this issue only impacts Options Intravenue Exchange Errors	Update: 2021 Note that this issue only impacts Options Intravenue Exchange Errors	Intrafirm Linker Feedback & Statistics

FINRA CAT Linkage 2c

Open Issues List – As of 7/13/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
5	Open	9004 8004 7004 5004	FINRA CAT did not recognize the early close and improperly marked as unlinked, certain events that occurred between 1:15 and 4:15 pm ET and were reported by 8 am ET on the next CAT Trading Day. Any events that were marked as unlinked were automatically reconciled the following day. Impact is limited to two days - 11/27/2020 & 12/24/2020.	Code Release	Low	2021	2021	Interfirm Exchange Trade Linker Feedback
6	Open	396	FINRA CAT is incorrectly generating warnings on secondary events in instances where the parent DAY order was subsequently modified to a GTC order.	Code Release	Medium	Update: 2Q 2022	Update: 2Q 2022	Intrafirm Linker Feedback
7	Updated-Open	8003 8004 9003 9004 4003 5004	FINRA CAT is incorrectly generating an unlinked error for the first time on T+4 for previously linked events in scenarios when the two events that were initially linked occurred on two separate trade dates. For example, an order routed at 6 pm on one calendar day and is reported as accepted by the receiving firm at 8 am on the next calendar day.	Code Release	Medium	Update: 3Q 2021	Update: 3Q 2021	Interfirm & TRF Linker Feedback
8	Open	6003	Industry Members are incorrectly receiving options exchange unlinked errors for subsequent day order modifications/ adjustments to long lived orders previously routed to the exchange. Options exchanges must report modifications in these instances. Nine firms impacted.	N/A	Medium	3Q 2021	3Q 2021	Options Exchange Linker Feedback

FINRA CAT Linkage 2c

Recently Closed Issues

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
1	Closed	6003 7004 8003 8004 9003 9004	FINRA CAT is generating an incorrect unlinked error when the date portion of the Route Event timestamp is on a weekend and the date portion of the Accept/Modify Event timestamp is for the next business day.	Code Release	High	6/21/2021	6/21/2021	Interfirm & Exchange Linkage Feedback
2	Closed	3501	Due to a Reference Data issue involving a corporate action for symbol IAC some incorrect linkage errors were generated the week of 5/25. The issue continues to impact open GTC Orders in IAC.	Reference Data Update	Medium	6/18/2021	6/18/2021	Intrafirm Linkage Feedback

FINRA CAT Open Issues List 2c

Planned Enhancements

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date	Production Environment Targeted Release Date	Area
1	Open	2122	Incorrect error code is generated when an array field (e.g., clientDetails) is populated as a Name/Value pair.	Code Release	Low	To be scheduled	To be scheduled	Ingestion Validations
2	Open	2027	Incorrect error code is being generated when eventTimestamp is a future date (2027- eventTimestamp must be in the correct format instead of 2139 - eventTimestamp is greater than the current date and time).	Code Release	Low	To be scheduled	To be scheduled	Ingestion Validations
3	NEW-Open	2060	Enhance OSI symbol validations to accept symbols that are on the CAT Reportable Securities list even if event date is prior to effective date.	Code Release	Low	To be scheduled	To be scheduled	Ingestion Validations
4	NEW-Open	2101	Accept, rather than reject, routes to a foreign destination when the date in the name/value pair for timeInForce values of 'DAY' and 'GTX' is T+2 to accommodate orders routed on a foreign holiday.	Code Release	Low	To be scheduled	To be scheduled	Ingestion Validations

Planned Industry Member Technical Specification Updates

#	Status	Summary	Publish Date	Spec Version
1	Open	Update section 3.4 to clarify requirements for options prior to Phase 2d outlined in Scenario 3.7.3.	TBD	TBD
2	Open	Clarify description of <i>solicitationFlag</i> field to be consistent with new FAQ C8.	TBD	TBD
3	Open	Change the <i>TIDType</i> field from Required to Optional and note that <i>TIDType</i> may be required at a future date no sooner than July 11, 2022.	8/2/21	4.0.0 r10
4	Open	Remove <i>leavesQty</i> from Route Modification and Route Cancellation events.	8/2/21	4.0.0 r10
5	Open	Correct <i>priorOrderID</i> on MOOM event from Required to Conditional.	8/2/21	4.0.0 r10
6	Open	Split Error Code 6025 into two error codes: 6025 - <i>side</i> in <i>buyDetails</i> did not match 6027 - <i>side</i> in <i>sellDetails</i> did not match	8/2/21	4.0.0 r10
7	Open	Clarify in Section 3.7 that <i>pairedOrderID</i> is also on Order Accepted events.	8/2/21	4.0.0 r10

Planned Industry Member Technical Specification Updates

#	Status	Summary	Publish Date	Spec Version
8	Open	Revert language changes to <i>netPrice</i> field - cannot be populated if the order is traded at a formula such as a specific Delta. The relevant tied-to instruction would still be required.	8/2/21	4.0.0 r10
9	Open	Clarify that allocation events are required for bookings to Customer accounts as opposed to Client accounts, as defined in the data dictionary.	8/2/21	4.0.0 r10
10	Open	Add <i>timeInForce</i> field to MOOMR and MLOMR to be consistent with MEOMR event.	8/2/21	4.0.0 r10

SIFMA Test

About CAT SIFMA Test

FINRA CAT, along with selected CAT Reporters, will participate in the 2021 SIFMA test in similar fashion to its participation in the 2020 SIFMA test. However, for the 2021 test, FINRA CAT plans to use its Enhanced Disaster Recovery environment (EDR) in AWS East-2 Region

- ▶ This annual test will occur on Saturday 10/23/2021 (8AM to 2PM EST).
- ▶ FINRA CAT will conduct this test out of its EDR region and will utilize the Industry Test Production Mirror environment in that region.
 - *Please utilize the connectivity guides for additional network connectivity configurations.*
- ▶ CAT submitters are encouraged to test their network connectivity to this new region beginning 9/1/2021 and complete this pre-test on or before 9/25/2021.
- ▶ This test will require both CAIS and Transaction submissions.
- ▶ Selected CAT Reporters have been notified and will receive additional instructions and test scripts.
- ▶ FINRA CAT will host a SIFMA Test meeting with selected submitters on Tuesday 10/19/21.
 - *Meeting invite will be distributed in September 2021.*

Firm Selection Criteria

The following selection criteria was used to select participating entities:

Plan Participants

- All Plan Participants will be required to submit one day of transaction data

IM Transaction Submitters

- CAT Submitters who account for at least 5% or more of CAT reportable events in the six-month period immediately preceding the designation, and whose cumulative activity represents at least 50% of the reportable events for the designated period

IM CAIS Submitters

- CAT Submitters who account for at least 5% or more of CAT reportable events in the six-month period immediately preceding the designation, and whose cumulative activity represents at least 50% of the reportable events for the designated period

Submission Patterns

Plan Participants

- Machine to Machine submission

10/20/21
Production data

Submitted on

10/23/21 Test
date

IM Transaction Submitters

- SFTP submission
- Web File Upload
- Web Manual Entry (minimum of five order events)

10/20/21
Production data

Submitted on

10/23/21 Test
date

IM CAIS Submitters

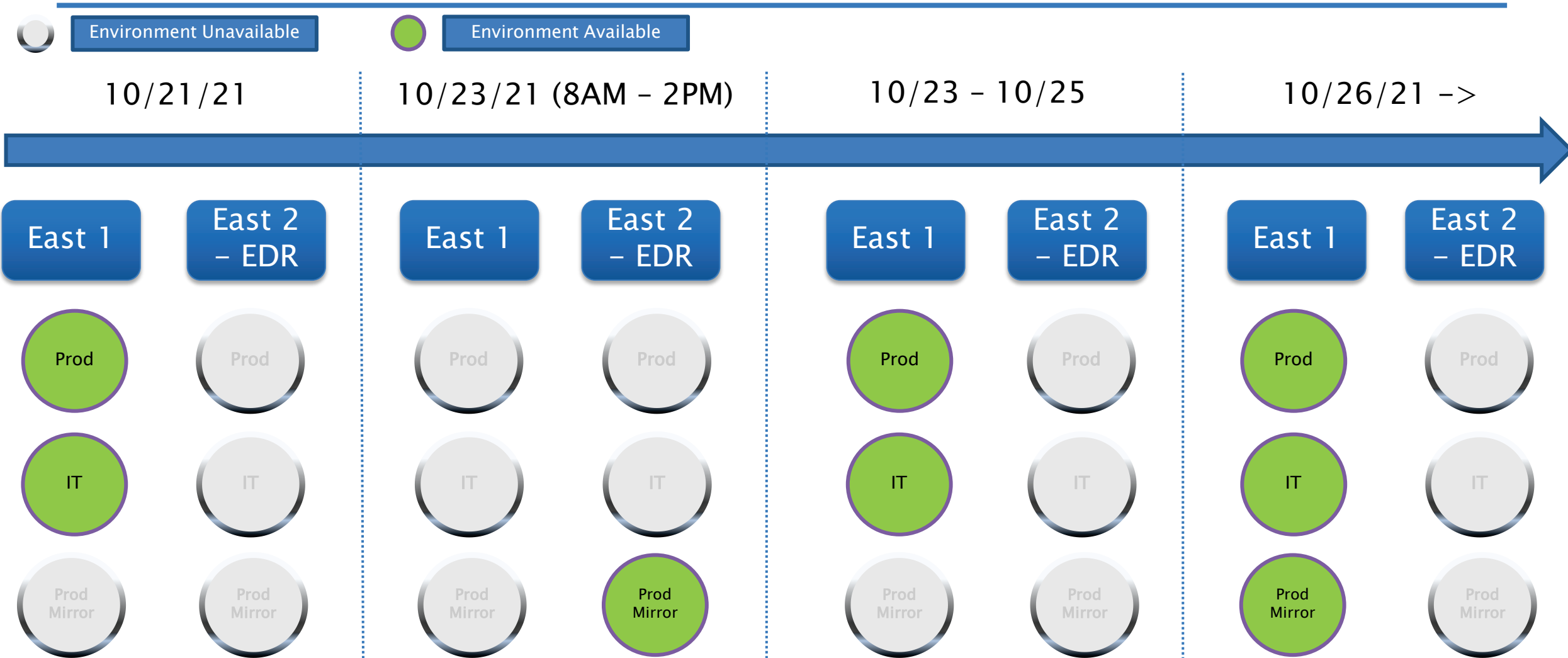
- SFTP submission
- Web File Upload
- Web Manual Entry (minimum of five update events)

10/20/21
Production data

Submitted on

10/23/21 Test
date

SIFMA Test Roadmap



Note: Industry Member testing for Phase 2d is only impacted on the day of the SIFMA test 10/23/21 8AM - 2PM ET

General Announcements and Reminders

Announcements

- **Technical Specifications:**
 - Updated Phase 2d Tech Spec was published on June 18, 2021
 - Updates were highlighted during the June 22, 2021 CAT Technical Specification Working Group (recording and presentation are posted to www.catnmsplan.com)
 - Corresponding Schema for v4.0.0 r9 was published on June 23, 2021
- Updated Phase 2d Reporting Scenarios were also published on June 18, 2021
- New document, Options Exchanges Trade Field Mapping, was published on June 21, 2021
 - Provides guidance outlining how Industry Members should populate each field required for Exchange Trade Linkage

Other General Reminders

- Recordings and presentations from the following webinars are posted to www.catnmsplan.com
 - Phase 2d Industry Webinar (June 24, 2021)
 - Monthly CAT Implementation Update and FINRA (SRO) Status Update on OATS Retirement (June 17, 2021)
 - Phase 2d CAT Reporting Requirements for Open Outcry Trades (June 15, 2021)
 - Small Firms Roadmap to December 13, 2021 (June 10, 2021)

Upcoming Webinars

- July 15, 2021 at 4:15 ET: Monthly CAT Implementation Update. FINRA (SRO) will provide an update on the status of OATS retirement.
- July 21, 2021 at 4:15 pm ET: Multi-Leg/Complex Option Order Webinar.
- August 10 2021 at 4:15 pm ET: Industry Testing Checkpoint Call.
- September 14, 2021 at 10:00 am ET: Phase 2d Cutover Webinar.

Upcoming Key Dates

Upcoming Key Dates for Phase 2d

Topic	Event	Date
Industry Call: Industry Testing Checkpoint	Periodic Industry Testing Checkpoint Calls – Designated Tuesdays at 4:15 pm (ET)	January 7, 2020 until further notice
Compliance Go-Live	Production Go-Live for Phase 2d reporting requirements	December 13, 2021

Phase 2d Updates

Industry Member 2d Release Rollout

Release 2d1

Industry Test – 6/28/2021

Ingestion

Industry Test Open for Machine-to-Machine File & Data Integrity Validations & Feedback

- Syntax Validations
- Conditional Validations

CAT Reporter Portal

- Manual File Upload
- Reporting Summary Statistics

Release 2d2

Industry Test – 7/19/2021

Intrafirm Linkage

Industry Test Open for Machine-to-Machine Intrafirm Linkage Validations & Feedback

- Reference Data Validations on senderIMID, receiverIMID, destination and legDetails OptionID/Symbol

CAT Reporter Portal

- Linkage File feedback
- Linkage Statistics
- Error Summary and Error Search including Error Correction
- Direct Data Entry

Release 2d3

Industry Test – 8/2/2021

Interfirm Linkage

Industry Test Open for Machine-to-Machine Interfirm/Exchange Linkage Validations & Feedback

- Interfirm Quote Linkage
- Interfirm/Exchange linkage for Route Modification Events including Unlinked feedback for Routed Order ID Mismatch

CAT Reporter Portal

- Support Clearing Firm View of Correspondent Reporting Feedback submitted by Third-Party Vendor

Release 2d4

Industry Test – 8/23/2021

Multi-leg Linkage

Industry Test Open for Machine-to-Machine Multi-leg Linkage Validations & Feedback

- Interfirm & Exchange for Multi-leg Events
- Firm to Exchange Trade Linkage

CAT Reporter Portal

- Reconciliation Statistics

2d Go-live

Production – 12/13/2021

Ingestion & All Linkage

Production Open for Machine-to-Machine File, Data Integrity and **All** Linkage Validations & Feedback

CAT Reporter Portal

- Manual File Upload
- Reporting Summary Statistics including reconciliation
- Linkage File Feedback
- Error Summary and Error Search including Error Correction
- Direct Data Entry
- Support Clearing Firm View of Correspondent Reporting Feedback submitted by Third-Party Vendor

Phase 2d Compliance Date – 12/13/2021

2d Statistics & Observations

Item	Statistic																								
Total Unique Firms in Industry Test	224																								
Total Unique Submitters in Industry Test	37																								
File Rejection Rate	43%																								
Ingestion Rejection Rate	<table border="1"> <thead> <tr> <th>Process Date</th> <th>Processed Ct</th> <th>Rejected Ct</th> <th>Rejection %</th> </tr> </thead> <tbody> <tr> <td>2-Jul</td> <td>244,675,498</td> <td>3,535,970</td> <td>1.45%</td> </tr> <tr> <td>6-Jul</td> <td>24,350,770</td> <td>157,957</td> <td>0.65%</td> </tr> <tr> <td>7-Jul</td> <td>25,931,261</td> <td>144,264</td> <td>0.56%</td> </tr> <tr> <td>8-Jul</td> <td>53,580,403</td> <td>4,744,322</td> <td>8.85%</td> </tr> <tr> <td>9-Jul</td> <td>33,909,375</td> <td>2,705,651</td> <td>7.98%</td> </tr> </tbody> </table> <p><i>** ~4% of submissions are New 2d Events; 0.05% of submissions are Multi-leg Events</i></p>	Process Date	Processed Ct	Rejected Ct	Rejection %	2-Jul	244,675,498	3,535,970	1.45%	6-Jul	24,350,770	157,957	0.65%	7-Jul	25,931,261	144,264	0.56%	8-Jul	53,580,403	4,744,322	8.85%	9-Jul	33,909,375	2,705,651	7.98%
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Top Rejection Errors	<p>File Rejection Reason</p> <ul style="list-style-type: none"> • Invalid schema <p>Ingestion Rejection Reason(s)</p> <ul style="list-style-type: none"> • Invalid handlingInstructions • Combination of destination and destinationType is Invalid • Missing or Invalid tradingSession • Invalid combination of orderID and orderID in aggregatedOrders • Missing or invalid manualFlag 																								

Phase 2d Cutover Resources

- On June 24, 2021, FINRA CAT published CAT Alert 2021-03-Phase 2d: Transitioning from Phase 2c and Coordinated Industry Tests.
- On Tuesday, September 14, 2021 at 10:00 am ET, Consolidated Audit Trail, LLC and FINRA CAT, LLC will host an industry webinar focused on the transition from Phase 2c to Phase 2d CAT reporting as it relates to schema changes, timing, reporting requirements and other related items.

Phase 2d Coordinated Industry Test

- FINRA CAT, LLC will facilitate six coordinated industry tests.
- Industry Members are encouraged to submit a full day of production data to the Test Environment.
- FINRA CAT will perform intrafirm, intrafirm and exchange linkage on Phase 2d reporting requirements and provide feedback.
- A list of participating CAT Reporter IMIDs will be posted to the Reference Data page.

<u>Test Number</u>	CAT Trading Day of the Coordinated Industry Test	Data Due to Industry Test	List of Participating IMIDs Posted as Reference Data on the CAT Website
1	9/10/21	By 8 am on 9/13/21	By 9 am on 9/15/21
2	10/1/21	By 8 am on 10/4/21	By 9 am on 10/6/21
3	10/15/21	By 8 am on 10/18/21	By 9 am on 10/20/21
4	10/29/21	By 8 am on 11/1/21	By 9 am on 11/3/21
5	11/12/21	By 8 am on 11/15/21	By 9 am on 11/17/21
6	11/26/21	By 8 am on 11/29/21	By 9 am on 12/1/21

FINRA CAT Helpdesk

Questions may be directed to the FINRA CAT Helpdesk at 888-696-3348 or help@finracat.com

How to Ask a Question during Today's Call

- **For participants using computer audio:**
 - Click the “Raise Hand” button at the bottom of the participant’s window.
 - A visual prompt will indicate that your line has been unmuted.
- **For participants using phone audio:**
 - Enter *9 on your phone keypad.
 - An audio prompt will indicate that your line has been unmuted.

Appendix

Phase 2d Cutover: Schema Changes

Changes to Existing Phase 2c Events

Event Type Code	Change Description	Seq# and Field Name
MENO	New conditional field added	46. netPrice
MEOR	New required field added	32. multiLegInd
	New conditional field added	33. pairedOrderID
	New conditional field added	34. infoBarrierID
	New conditional field added	35. netPrice
	New conditional field added	36. quoteKeyDate
	New conditional field added	37. quoteID
MEIR	New required field added	26. multiLegInd
	New conditional field added	27. netPrice
MEIM	New conditional field added	28. requestTimestamp
	New conditional field added	29. netPrice
MEIC	New conditional field added	16. requestTimestamp
	New conditional field added	17. infoBarrierID
MECO	New required field added	32. multiLegInd
	New conditional field added	33. infoBarrierID
	New conditional field added	34. netPrice

Changes to Existing Phase 2c Events

Event Type Code	Change Description	Seq# and Field Name
MECOM	New conditional field added	33. netPrice
MEOM	New conditional field added to <i>reserved for future</i> use position	22. requestTimestamp
	New conditional field added	53. netPrice
MEOMR	New conditional field added	43. netPrice
MEOJ	New conditional field added	32. netPrice
MEOC	New conditional field added	17. requestTimestamp
	New conditional field added	18. infoBarrierID
MEOCR	New conditional field added	15. infoBarrierID
MENQ	New required field added	27. manualFlag
	New conditional field added	28. electronicTimestamp
MEQR	New required field added	25. dupROIDCond
	New required field added	26. manualFlag
	New conditional field added	27. electronicTimestamp
MEQC	New required field added	15. manualFlag
	New conditional field added	16. electronicTimestamp

Changes to Existing Phase 2c Events

Event Type Code	Change Description	Seq# and Field Name
MEOT	New required field added	35. multiLegInd
	New conditional field added	36. infoBarrierID
MEOTS	New required field added	12. multiLegInd
MEOF	New conditional field added	20. infoBarrierID
MEPA	New required field added	25. TIDType
MEAA	New required field added	27. TIDType
MEOE	New conditional field added	33. netPrice
MONO	New required field added to <i>reserved for future</i> use position	28. solicitationFlag
	New conditional field added	32. RFQID
	New conditional field added	33. netPrice
MOOR	New required field added to <i>reserved for future</i> use position	30. multiLegInd
	New conditional field added	34. pairedOrderID
	New conditional field added	35. netPrice

Changes to Existing Phase 2c Events

Event Type Code	Change Description	Seq# and Field Name
MOOA	New required field added to <i>reserved for future</i> use position	29. solicitationFlag
	New conditional field added to <i>reserved for future</i> use position	30. pairedOrderID
	New conditional field added	34. netPrice
MOIR	New required field added	28. multiLegInd
	New conditional field added	29. netPrice
MOCO	New required field added	24. multiLegInd
	New conditional field added	25. netPrice
MOCOM	New conditional field added	25. netPrice
MOOM	New conditional field added to <i>reserved for future</i> use position	33. requestTimestamp
	New conditional field added	39. netPrice
MOOJ	New required field added to	22. timeInForce
	New conditional field added	23. netPrice
MOOC	New conditional field added	17. requestTimestamp

Changes to Allowed Values

Field Name	Allowed Values Added	Allowed Values Removed
handlingInstructions	AIP, CASH, CTR, GP, NCTR, OCP, OFF, QCC, TTU, DLVF, DLVT	CNH, GVWAP, J3, SR, SMT
marketCenterID	ARCAOP, AMEROP, BOX, BZXOP, C2, CBOE, CHX, EDGXOP, EMLD, GEMX, ISE, MIAMI, MRX, NOBO, NOM, PEARL, PHLX	
allocationType	AVP	FCUS, FDVP, FCSF, FDVF
timeInForce	GFD	
representativeInd	OS, OML, OMS	
fulfillmentLinkType	OS, OML	
side	S	

New Validations for Existing 2c Events

Field Name	Validations	Applicable Event Types
receivedQuoteID	receivedQuoteID must be populated when manualFlag is false.	MEQR
netPrice	If netPrice is populated, the price must be blank or zero	MENO,MEOR,MEOA,MEIR,MEIM,MECO,MECOM,MEOM,MEOJ,MEOE,MONO,MOOR,MOOA,MOCO,MOOM,MOOJ
aggregatedOrders	The aggregatedOrders must be populated when representativeInd = 'O'. The aggregatedOrders is optional when representativeInd = 'OS'	MONO, MOOM
firmDetails	The firmDetails must be populated if fulfilmentLinkType is in ('O'). The firmDetails must not be populated if fulfilmentLinkType is in ('OS')	MOOF
seqNum	Must be populated	MEQR
routeRejectedFlag	Must be populated	MOOR

Changes to Existing Phase 2c Events – Retired Fields

Event Type Code	Key	Event
quoteKeyDate	Optional	MEOT
quoteID	Optional	MEOT
quotingIDQS	Optional	MEOT
<Side Details>.quantity	Required	MEFA, MOFA
	Optional	MEOT, MEOF, MOOF
custType	Optional	MEPA, MEAA
priorUnlinked	Conditional	MONOS, MOIR, MOOC, MOCOC, MOOJ, MOCOM, MOOR, MOOA, MOOM, MOOF, MOFA, MOCO
nextUnlinked	Conditional	MONOS, MOIR, MOOJ, MOCOM, MONO, MOOR, MOOA, MOOM, MOCO