
Industry Checkpoint Call

May 11, 2021

Agenda

- Production Statistics
- Phase 2c Updates
- Open Issues
- General Announcements and Reminders
- Upcoming Key Dates
- Q&A

Production Statistics

Equities – Rolling Five Day Period

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

April 22, 2021 – May 05, 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
4/22/2021	.0010%	.0010%	.0005%	.0024%	.0017%	.0860%	.0480%	.0818%	.0468%	.5204%	.5134%	.1857%	.1782%	.1162%	.1047%
4/23/2021	.1657%	.1149%	.1108%	.0880%	.0051%	.4670%	.0256%	.5031%	.1849%	.5412%	.0083%	.2115%	.1707%	.5576%	.3072%
4/26/2021	.8895%	.6801%	.1486%	1.5732%	.0684%	1.0608%	.0287%	2.4420%	.9296%	.5649%	.0058%	.2106%	.1657%	3.0683%	1.1788%
4/27/2021	.0245%	.1117%	.1051%	.0668%	.0127%	.0859%	.0205%	1.1574%	1.0519%	.5282%	.0024%	2.6794%	.1273%	.4312%	.2755%
4/28/2021	2.6073%	.1100%	.1055%	.0238%	.0154%	2.9555%	.0080%	2.5082%	1.1129%	.6779%	.0832%	2.5163%	.1191%	3.4151%	2.7667%
4/29/2021	.1494%	.1153%	.1017%	.0959%	.0074%	.1273%	.0086%	1.5132%	1.3963%	.5815%	.0024%	2.3590%	2.3123%	.6385%	.4394%
4/30/2021	1.2604%	.0098%	.0047%	.5471%	.0077%	.0657%	.0177%	3.1795%	.3526%	.5809%	.0082%	2.4633%	2.4109%	2.1447%	1.3207%
5/3/2021	.0391%	.0076%	.0068%	.0160%	.0105%	.1119%	.0193%	.5621%	.3697%	.5667%	.0107%	2.9711%	2.9239%	.2388%	.1008%
5/4/2021	.0070%	.0035%	.0030%	.0133%	.0083%	.0718%	.0168%	.2453%	.1964%	.6071%	.0101%	2.1141%	2.0853%	.1652%	.0457%
5/5/2021	.0044%	.0039%	.0032%	.0110%	.0078%	.0991%	.0515%	.0932%	.0433%	.5649%	.0099%	2.2265%	2.2020%	.1394%	.0278%

Options – Rolling Five Day Period

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

April 22, 2021 – May 05, 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
4/22/2021	.0003%	.0237%	.0231%	.0122%	.0083%	.0124%	.0108%	.0962%	.0912%	.0213%	.0174%	.0399%	.0355%
4/23/2021	.0385%	.1004%	.0416%	.0105%	.0098%	.0332%	.0138%	.1833%	.1092%	.4571%	.4560%	.3019%	.2410%
4/26/2021	.1433%	.0113%	.0046%	.0467%	.0434%	.2016%	.0433%	3.7698%	.4289%	1.3195%	.6056%	.6839%	.3872%
4/27/2021	.0008%	.0044%	.0025%	.0201%	.0123%	.0453%	.0137%	.3876%	.3196%	.5986%	.5979%	.2250%	.2167%
4/28/2021	.7877%	.0072%	.0053%	.0119%	.0090%	17.2777%	.0102%	.3911%	.2816%	.6413%	.6410%	1.2614%	1.0139%
4/29/2021	1.6242%	.0063%	.0048%	.0109%	.0048%	.0136%	.0105%	.2903%	.2840%	.6657%	.6640%	1.8603%	1.8544%
4/30/2021	1.8253%	.0056%	.0047%	.0100%	.0050%	.0139%	.0111%	.2552%	.0744%	.6485%	.6482%	2.0591%	2.0520%
5/3/2021	1.3500%	.0060%	.0045%	.0081%	.0033%	.0256%	.0220%	.3139%	.0917%	.1324%	.1301%	1.4101%	1.4016%
5/4/2021	.0730%	.0069%	.0054%	.0152%	.0056%	.0220%	.0198%	.2579%	.0803%	.1609%	.1594%	.1452%	.1347%
5/5/2021	.8609%	1.5663%	.7866%	.0112%	.0052%	.0274%	.0246%	.4180%	.0944%	.1340%	.1312%	2.4819%	1.6935%

Phase 2c Updates

2c Production – Statistics & Observations

April 26, 2021 – May 7, 2021

Item	Statistic
Representative Order Linkage Rate	99.91%
Fulfillment Order Linkage Rate	99.40%
Allocation Events Rejection Rate	1.74%
Top Allocation Events Rejection Errors	Missing or Invalid firmDesignatedID Missing or Invalid symbol Missing or Invalid allocationKeyDate Missing or Invalid tradeDate Missing or Invalid settlementDate Missing or Invalid allocationType Invalid correspondentCRD

Open Issues (2a/2b)

FINRA CAT File Submission and Data Integrity (2a/2b)

Open Issues List – As of 5/11/2021

#	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	2Q 2021	2Q 2021	Statistics
2	Open	N/A	FINRA CAT did not recognize the early close and improperly marked as late events that occurred between 1:15 and 4:15 pm ET and were reported by 8 am ET on the next CAT Trading Day. Impact is limited to two days - 11/27/2020 & 12/24/2020.	Code Release	Low	2021	2021	Statistics

FINRA CAT Linkage (2a/2b)

Open Issues List – As of 5/11/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
1	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
2	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	2021	2021	Intrafirm Statistics
3	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
4	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

FINRA CAT Linkage (2a/2b)

Open Issues List – As of 5/11/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
5	Open	396	FINRA CAT is incorrectly generating warning errors on secondary events in instances where the parent DAY order was subsequently modified to a GTC order.	Code Release	Medium	To be scheduled	To be scheduled	Intrafirm Linker Feedback
6	Open	8003 8004 9003 9004	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	To be scheduled	To be scheduled	Interfirm Linker Feedback

FINRA CAT Linkage (2a/2b)

Open Issues List – As of 5/11/2021

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production Environment Targeted Release Date/Workaround	Area
7	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 exchange reporting modification required. Nine firms impacted.	N/A	Medium	3Q 2021	3Q 2021	Options Exchange Linker Feedback

FINRA CAT Open Issues List (2a/2b)- 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 provided 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

Open Issues (2c)

FINRA CAT Recently Closed Issues List (2c)

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date	Production Environment Targeted Release Date	Area
1	Closed	2044	FINRA CAT is incorrectly rejecting records in instances where marketCenterID is populated and reportingExceptionCode is populated with a value of 'C'.	Code Release	High	5/10/2021	5/10/2021	Ingestion Feedback & Statistics
2	Closed	2067	FINRA CAT is incorrectly rejecting MEOE events in instances where orderType is 'LMT' and price is not populated.	Code Release	High	5/10/2021	5/10/2021	Ingestion Feedback & Statistics
3	Closed	2101	FINRA CAT is incorrectly rejecting records in instances where timeInForce is populated with a weekend date for a GTX or a DAY order.	Code Release	High	5/10/2021	5/10/2021	Ingestion Feedback & Statistics
4	Closed	2177	Change settlementDate field from Required to Conditional to facilitate reporting of allocations in "when-issued" and "when-distributed" securities.	Code Release	High	5/10/2021	5/10/2021	Ingestion Feedback & Statistics
5	Closed	N/A	FINRA CAT is incorrectly displaying Option series ID on Error Search screen for Interfirm Named Errors. Linkage feedback files are not impacted by this issue	Code Release	Medium	5/7/2021	5/7/2021	Reporter Portal Error Search

General Announcements and Reminders

Enhanced Disaster Recovery Testing

- ▶ **FINRA CAT has rescheduled its internal DR failover test to May 14, 2021**
 - Internal test will validate failover processes, procedures and recovery times
 - All Environments, including Production and Prod-Mirror, will be disabled between May 14, 2021 (8pm ET) through May 16, 2021 (2pm ET)
 - All Industry Member submissions and portal access will be disabled during this testing period

Other Announcements

- ▶ An updated version of the Phase 2c Technical Specification, v3.1.0 r13, was published on May 10, 2021.
- ▶ The next Monthly CAT Implementation Update will be on May 20, 2021 at 4:15 pm ET. In addition to the regularly scheduled monthly implementation update, staff from FINRA (SRO) will provide an update on the status of OATS retirement.
- ▶ The next Industry Testing Checkpoint Call will be on May 25, 2021 at 4:15 pm ET.
- ▶ Small Firm Roadmap Webinar June 10th at 11:00 am ET.
- ▶ A Phase 2d Industry Webinar Call will be held on June 24, 2021 at 1:00 pm ET.

Upcoming Key Dates

Upcoming Key Dates for Phase 2d

Topic	Event	Date
Industry Call: Industry Testing Checkpoint	Industry Testing Checkpoint Calls – Bi-weekly, on Tuesdays at 4:15 pm (ET)	January 7, 2020 until further notice
Release Availability	Test Environment Opens for Phase 2d reporting requirements	June 28, 2021
Compliance Go-Live	Production Go-Live for Phase 2d reporting requirements	December 13, 2021

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.

FINRA CAT Helpdesk

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