Industry Test Release Status

January 28, 2020

Agenda

- Industry Test Release Update
- General Announcements & Reminders
- Upcoming Key Dates
- Q&A

Industry Test Release Update

Industry Member 2a/2b – Release 1 (File & Data Integrity) Release Rollout

Live in Industry Test

11/18/2019
Industry Test Release 1.1

- CAT Reporter Portal: ATS Order Types
- CAT Reporter Portal: CAT Reporting Relationships
- Multi-Factor Authentication Enabled
- Publication of IMID & Conflict List to catnmsplan.com
- Publication of Issue/Option Symbol Reference Lists to catnmsplan.com

12/16/2019
Industry Test Release 1.2

- Industry Test Open for Machine-to-Machine File & Data Integrity Validations & Feedback
- CAT Reporter Portal: Basic File Statistics
- CAT Reporter Portal: Manual File Upload

2/24/2020
Industry Test Release 1.3

- CAT Reporter Portal: File Submission feedback
- CAT Reporter Portal: Reporting Statistics (i.e. number of records received, accepted, rejected and feedback summaries)
- CAT Reporter Portal: Error Rates
- CAT Reporter Portal: Direct data entry & corrections
- CAT Reporter Portal: Bulk Repair of applicable Syntax/Semantic Errors

03/23/2020
Industry Test Release 1.4

- Announcements
- System Status

4/20/2020 – 2a Go-Live
5/18/2020 – 2b Go-Live

- 2a Go-Live – Industry Member 2a Reporting Required on April 20
- 2b Go-Live – Industry Member 2b Reporting Required on May 18

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Industry Test Status –
As of January 27, 2020 Statistics

Item	Statistic – Last Week	Statistic – This Week	Increase/Decrease
Number of Reporting Relationships Entered	603 relationships from 351 firms	743 relationships from 444 firms	Increased by 140 across 93 firms
Number of ATS Relationships Entered	453 order types from 18 ATS firms	456 order types from 18 ATS firms	Increased by 3
Number of Total Submitters	81	89	Increased by 8
Number of IMIDs	228 from 163 firms	269 from 180 firms	Increased by 41 across 17 firms
Number of Files Received	50,243 • Reporter Portal: 7,247 • Private Line: 42,996	98,152 • Reporter Portal: 8,933 • Private Line: 88,854	Increased by 47,909 Reporter Portal: 1,686 Private Line: 45,858
Number of Files Rejected	6,193	32,254	Increased by 26,061
File Reject Rate	12.24%	32.86%	Increased by 20.62%
Number of Records Processed in Ingestion Phase (Record level validations)	1,909,443,267	3,163,023,595	Increased by 1,253,580,328
Number of Processed Records Rejected	110,945,112	167,357,533	Increased by 56,412,421
Current Reject Rate Overall of Processed Data	5.81%	5.29%	Decreased by 0.52%

Industry Test Status –
January 21 – January 27, 2020 Statistics

CAT Processing Date	# Total Submitters	# of IMIDs	# of Files Received	# of Files Rejected	File Reject Rate	# of Validated Records	# of Validated Records Rejected	Validated Records Reject Rate
1/21/2020	26	100	1336	30	2.25%	33,184,267	790,536	2.38%
1/22/2020	42	129	4076	137	3.36%	243,058,611	2,775,076	1.14%
1/23/2020	46	133	29,504	25,285	85.70%	245,390,801	24,782,560	10.10%
1/24/2020	46	143	5275	515	9.76%	259,147,226	1,366,966	0.53%
1/27/2020	42	123	7353	94	1.28%	472,799,423	26,697,283	5.65%

FINRA CAT New Observations

- FINRA CAT observed file rejections due to missing Third-Party Relationships
  - Third-Party ID must be provided in the meta file for the Third Party to view transmitted data and initiate corrections to that data on behalf of the CAT Reporter/IMID.
  - CAT will reject files with a Third Party populated if the third party relationships are not yet established via the CAT Reporter Portal prior to file submission (Error Code 1124).

Known FINRA CAT Issues – Open

#	Status	Error Code	Summary	Resolution	Workaround	Targeted Release Date	Area
1	Open	N/A	FINRA CAT Network Team is assisting some firms with additional details related to their use of IP proxy based access. FINRA CAT is updating the Connectivity Supplement with additional firewall and URL information in support of Industry member's use of IP Proxy based access. These details are also provided in the Appendix of the 12/17 Industry Release Checkpoint Presentation.	Documentation Update	N/A	N/A	Network
2	Open	Multiple	FINRA CAT is accepting the following scenario instead of rejecting – Future dates in some fields.	Under Review	None	To Be Scheduled	Validations
3	Open	2133	For Name/Value Pair Data type fields, providing a value that is not in allowable values list returns error code 2133 (Additional Field) instead of error code 2101 (Missing or Invalid timeInForce).	Under Review	None	To Be Scheduled	Validations
4	Open	N/A	Metadata File Rejection count does not correctly count all metadata rejection scenarios.	Code Release	None	2/24/2020	Statistics
5	Open	2098	Equity symbols expiration/addition intra day – Rejecting as symbol not effective.	Code Release	None	2/24/2020	Validations
6	Open	2036	handlingInstructions value of 'RAR' (optional 2a) rejecting as invalid.	Code Release	None	2/24/2020	Validations
7	Open	2122	Incorrect error code is generated when an array field (eg: clientDetails) is provided as a Name/Value pair.	Under Review	None	To Be Scheduled	Validations
8	Open – NEW	2142	Space in multi-dimensional array field not treated as blank. For E.g space in aggregatedOrders when representativeInd is populated as 'YF', 'YE' or 'N' – Rejecting as Invalid aggregatedOrders (Error Code 2142).	Under Review	None	To be Scheduled	Validations

*** Known Issues List is published on www.catnmsplan.com under "Technical Specifications" ***

Known FINRA CAT Issues – Recently Closed

#	Status	Error Code	Summary	Resolution	Workaround	Release Date	
1	Closed	2099	Reference Data timing issue with equity symbols that became effective on the day of event submission.	Code Release	None	1/9/2020	Validations
2	Closed	2008	ATS Order Types created via the Reporter Portal are being capitalized. This will result in invalid ATS Order Type rejections as validations are case sensitive.	Code Release	None	1/12/2020	Validations

General Announcements & Reminders

General Announcements & Reminders

- AWS PrivateLink is live and available in the Industry Test environment - FINRA CAT will provide an additional overview on AWS PrivateLink next **Tuesday, February 4 at 4:15** in conjunction with the weekly checkpoint call.

- FINRA CAT will be moving the Friday, February 14 CAT Reporter Portal demo to **Tuesday, February 18 at 4:15** in conjunction with the weekly checkpoint call.

General Announcements & Reminders

➢ Onboarding Reminders:
  ○ Industry Member CAT Reporters that have not yet signed the CAT Reporter Agreement may be entitled to the IM Test Environment if they sign an *Industry Member Limited Testing Acknowledgement Form*. A CAT Alert was published on December 17 along with updates to the Onboarding Guide containing all details.
  ○ Once entitled to the CAT system by an organization's SAA or AA, users **must** complete all steps of the onboarding process within 120 hours (5 days) of being granted CAT access. Onboarding steps include
     1. logging in to the account,
     2. resetting the temporary password,
     3. providing security challenge questions and answers, and
     4. enrolling in multi-factor authentication
  ○ Failure to complete all onboarding steps within 120 hours of being granted CAT access will result in the immediate expiration of the temporary password and automated revocation of CAT entitlements for the user account. When this occurs, the SAA or CAT Account Administrator must grant the necessary CAT entitlements again and set a new temporary password if the user requires CAT system access.

Upcoming Key Dates

Upcoming Key Dates for Release 2a/2b

Topic	Event	Date
Industry Call: Industry Testing Checkpoint	Weekly Industry Testing Checkpoint Calls – Every Tuesday at 4:15 pm (ET)	January 7 – March 20, 2020
Plan Participant UAT	Plan Participant UAT begins for February Industry Test Release	February 3, 2020
User Guide Publication	CAT Reporter Portal User Guide Published for February Release	February 10, 2020
Industry Webinar and Demo	Regularly Scheduled Weekly Industry Testing Checkpoint Call and CAT Reporter Portal Industry Webinar and Demo of Industry Test Release 1.3 functionality	February 18, 2020
Industry Test Release 1.3	Industry Test Release of: - CAT Reporter Portal Error Correction and Feedback	February 24, 2020
Industry Webinar and Demo	Industry Test Release 1.3 Go-Live Checkpoint and CAT Reporter Portal Demo of: - Submission, Error Correction & Feedback	February 25, 2020
Industry Test Release 1.4	Industry Test Release of: - CAT Reporter Portal Announcements & System Status	March 23, 2020
Industry Call: Industry Testing Checkpoint	Daily Industry Testing Checkpoint Calls at 4:15 pm (ET)	March 23, 2020 – April 3, 2020

The timeline of Phase 2a/2b Release 1 (File Validation & Data Integrity) can be found at https://catnmsplan.com/timelines/phase-2a-2b-release.html

Upcoming Key Dates for Release 2a/2b

Topic	Event	Date
Industry Test Certification	Industry Members and CAT Reporting Agents must complete production readiness testing for 2a reporting	April 6, 2020
Industry Call: Industry Testing Checkpoint	Weekly Industry Testing Checkpoint Calls - Every Tuesday at 4:15 pm (ET)	April 6, 2020 – May 1, 2020
Production Readiness	Production Environment Opens for Production Readiness	April 13, 2020
Production Go-Live	Production Go-Live for Equities 2a file submission and data integrity validations	April 20, 2020
Industry Call: Production Release Checkpoint	Industry Call - Status of 2a Go-Live	April 21, 2020
Industry Test Certification	Industry Members and CAT Reporting Agents must complete production readiness testing for 2b reporting	May 4, 2020
Industry Call: Industry Testing Checkpoint	Daily Industry Testing Checkpoint Calls at 4:15 pm (ET)	May 4, 2020 – May 15, 2020
Production Go-Live	Production Go-Live for Options 2b file submission and data integrity validations	May 18, 2020
Industry Call: Production Release Checkpoint	Industry Call - Status of 2b Go-Live	May 19, 2020
Industry Webinar and Demo	Industry Webinar and Demo of Compliance Report Card	June 2, 2020
Production Go-Live	Release of Industry Member Compliance Report Card for Equities ONLY	June 19, 2020
Production Go-Live	Release of Industry Member Compliance Report Card including Equities and Options	July 20, 2020

How to Ask a Question during Today's Call

- **For participants using computer audio:**
  - Click the "Participants" button at the bottom of the app window, then the "Raise Hand" button at the bottom of the participants 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