
Industry Test Release Status

January 21, 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

Industry Test Status – As of January 17, 2020 Statistics

Item	Statistic – Last Week	Statistic – This Week	Increase/Decrease
Number of Reporting Relationships Entered	513 relationships from 283 firms	603 relationships from 351 firms	Increased by 90 relationships and 68 firms
Number of ATS Relationships Entered	453 order types from 18 ATS firms	453 order types from 18 ATS firms	No change
Number of Total Submitters	74	81	Increased by 7
Number of IMIDs	210 from 149 firms	228 from 163 firms	Increased by 18 IMIDs and 14 firms
Number of Files Received	34,256 <ul style="list-style-type: none"> Reporter Portal: 2,446 Private Line: 31,810 	50,243 <ul style="list-style-type: none"> Reporter Portal: 7,247 Private Line: 42,996 	Increased by 15,987 Reporter Portal: 4,801 Private Line: 11,186
Number of Files Rejected	5,269	6,193	Increased by 924
File Reject Rate	15.38%	12.24%	Decreased by 3.14%
Number of Records Processed in Ingestion Phase (Record level validations)	1,060,500,613	1,909,443,267	Increased by 848,942,654
Number of Processed Records Rejected	96,737,721	110,945,112	Increased by 14,207,391
Current Reject Rate Overall of Processed Data	9.12%	5.81%	Decreased by 3.31%

Industry Test Status – January 14 – January 17, 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
1/14/2020	36	107	3,105	423	13.62%	132,629,495	900,641	0.68%
1/15/2020	34	104	4,594	323	7.03%	252,882,953	5,576,449	2.21%
1/16/2020	39	118	4,501	115	2.55%	242,807,916	6,357,210	2.62%
1/17/2020	42	124	4,152	63	1.52%	220,622,290	1,373,091	0.62%

FINRA CAT Observations

- FINRA CAT observed file and ingestion rejections due to the following:
 - Missing Reporting Relationships – Files will be rejected if relationships are not yet established (Error Code 1109)
 - Invalid file name constructs. Examples include:
 - SubmitterID should be the Org_id or the CRD Number
 - **Example: CRD = 99999999**
 - file type should be OrderEvents (Case Sensitive)
 - Data file name in the meta file must be the full file name including compression and extension
 - **Example: 99999999_ABCD_20180919_OrderEvents_000001.json.bz2**
 - Case sensitivity in JSON – Labels in meta data files are case sensitive
 - Records with event dates prior to 11/15/2019 will result in Symbol/IMID Errors
 - Files submitted prior to 8 am on T will be assigned a Process Date of T-1
 - **Example: File submitted on 1/14/20 at 7:30 AM would have a Process Date of 1/13/20**

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	To Be Scheduled	Statistics
5	Open	2098	Equity symbols expiring intra-day rejecting as invalid.	Code Release	None	To Be Scheduled	Validations
6	Open	2036	handlingInstructions value of 'RAR' (optional 2a) rejecting as invalid.	Code Release	None	To Be Scheduled	Validations
7	Open – NEW	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

*** 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

- Reminder – AWS PrivateLink available in Industry Test on Monday, January 27.
- Reminder- CAT Reporter Agreement or CAT Industry Member Limited Testing Acknowledgement Form is required in order to submit data to the Test Environment.

Upcoming Key Dates

Upcoming Key Dates for Release 2a/2b

Topic	Event	Date
Connectivity	AWS PrivateLink available for 2a/2b machine -to-machine file submission and CAT Reporter Portal	January 27, 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
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

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 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