
Industry Test Release Status

January 14, 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 13, 2020 Statistics

Item	Statistic
Number of Reporting Relationships Entered	513 relationships from 283 firms
Number of ATS Relationships Entered	453 order types from 18 ATS firms
Number of Total Submitters	74 (Increase of 10 from last week)
Number of IMIDs	210 (Increase of 36 from last week)
Number of Files Received	34,256 <ul style="list-style-type: none"> Reporter Portal: 2,446 Private Line: 31,810
Number of Files Rejected	5,269
File Reject Rate	15.38%
Number of Records Processed in Ingestion Phase (Record level validations)	1,060,500,613
Number of Processed Records Rejected	96,737,721
Current Reject Rate Overall of Processed Data	9.12%

Industry Test Status – January 6 – January 13, 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
1/6/2020	26	51	3,514	147	4.18%	135,086,562	483,320	0.36%
1/7/2020	38	67	2,303	899	39.04%	38,316,031	7,161,242	18.69%
1/8/2020	31	61	708	46	6.50%	45,799,628	1,517,939	3.31%
1/9/2020	31	78	9,379	1641	17.50%	130,747,692	3,433,879	2.63%
1/10/2020	32	62	4,453	93	2.09%	172,414,693	1,577,548	0.91%
1/13/2020	32	104	1,983	149	7.51%	42,409,390	1,932,521	4.56%

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

➤ 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.

General Announcements & Reminders

➤ SFTP Accounts:

- An account must have an individual who is responsible for it. If an individual who is responsible for the account leaves the firm, the security recommendation is that the firm contact FINRA CAT to have the password changed.
- An SAA (or AA for Service Providers) may request the SFTP account and sign the SFTP form.
- Passwords for SFTP accounts do not expire, and are not required to be reset on a routine basis. Multifactor authentication is not applicable to SFTP accounts.
- The 120 hour requirement for onboarding does not apply to SFTP accounts.
- Multiple accounts are permitted; however, for security reasons, we will not send credentials to a DL (or multiple individuals).

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
Connectivity	Connectivity Supplement updated to include AWS PrivateLink information	January 3, 2020
Industry Webinar	CAT 101 Primer Webinar	January 8, 2020
Industry Webinar	Industry Webinar covering: <ul style="list-style-type: none"> - PrivateLine Connectivity & AWS PrivateLink - MFA Update - Review of Industry Test Plan - Review of Industry Release 1.3 Functionality - catnmsplan.com Redesign 	January 15, 2020
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	CAT Reporter Portal Industry Webinar and Demo of Industry Test Release 1.3 functionality	February 14, 2020
Industry Test Release 1.3	Industry Test Release of: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Submission, Error Correction & Feedback 	February 25, 2020
Industry Test Release 1.4	Industry Test Release of: <ul style="list-style-type: none"> - 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