
Industry Test Release Status

February 11, 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 February 10, 2020 Statistics

Item	Statistic – Last Week	Statistic – This Week	Increase/Decrease
Number of Firms operating under CAT Reporter Agreements	958	1035	Increased by 77
Number of Reporting Relationships Entered	897 relationships from 535 firms	1088 relationships from 635 firms	Increased by 191 across 100 firms
Number of ATS Order Types Entered	556 order types from 19 ATS firms	557 order types from 19 ATS firms	Increased by 1
Number of Total Submitters	96	101	Increased by 5
Number of IMIDs	354 from 239 firms	410 from 291 firms	Increased by 56 across 52 firms
Number of Files Received	157,484 <ul style="list-style-type: none"> Reporter Portal: 10,505 Private Line: 146,979 	249,601 <ul style="list-style-type: none"> Reporter Portal: 11,409 Private Line: 238,192 	Increased by 92,117 Reporter Portal: 904 Private Line: 91,213
Number of Files Rejected	37,067	85,873	Increased by 48,806
File Reject Rate	23.48%	34.35%	Decreased by 10.87%
Number of Records Processed in Ingestion Phase (Record level validations)	7,073,575,920	9,905,322,389	Increased by 2,831,746,469
Number of Processed Records Rejected	937,967,761	1,250,147,603	Increased by 312,179,842
Current Reject Rate Overall of Processed Data	13.26%	12.62%	Decreased by 0.64%

Industry Test Status – February 4– February 10, 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
2/4/2020	40	167	56,248	46,851	83.29%	836,182,336	67,485,927	8.07%
2/5/2020	49	200	9,862	1,361	13.80%	476,234,031	23,632,720	4.96%
2/6/2020	42	190	7,906	92	1.16%	456,646,384	81,920,579	17.94%
2/7/2020	37	181	14,469	466	3.22%	863,188,101	49,120,803	5.69%
2/10/2020	38	196	3,632	36	0.99%	199,495,617	90,019,813	45.12%

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	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 – Open

#	Status	Error Code	Summary	Resolution	Workaround	Targeted Release Date	Area
9	Open	2043	<i>manualOrderID</i> (optional for 2a) blank – Rejecting as Invalid <i>manualOrderID</i> when <i>electronicDupFlag</i> is populated as true.	Under Review	None	2/24/2020	Validations
10	Open	2153	Isolated instances of data file not readable error for well-formed JSON data files.	Under Review	None	To Be Scheduled	Validations
11	Open	2048	For ATS firms, <BLANK> <i>nbboTimestamp</i> if <i>nbboSource</i> is NA rejecting as invalid.	Under Review	None	To Be Scheduled	Validations
12	NEW – Open	1116	Isolated issue where exceeding length in file version field in metadata file – Not generating integrity failed feedback	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
3	NEW – Closed	N/A	Intermittently missing a few feedback files.	Code Release	None	2/5/2020	Validations

FINRA CAT Observations

- Timestamps submitted in Coordinated Universal Time (UTC) must not be adjusted for Eastern Time. Timestamps submitted in STRING format must be in Eastern Time. The IM Technical Specifications will be clarified.
- Reporter Portal default perspective is Reporter. User needs to select the Submitter perspective to view all feedback files.
- routedOrderID field is defined as Text (64) and must NOT include delimiters such as comma, pipe, double quote, @.

FINRA CAT Observations

File Submission – FINRA CAT Recommended Practice

- ▶ File Submissions should be one file per IMID within specified file maximums:
 - CAT Reporter Portal: 1GB uncompressed/100,000 records
 - Machine-to-Machine: 100GB uncompressed
- ▶ Benefit to Submitters:
 - Fewer files for submitter to manage
 - Expedited feedback response

Note: SFTP (Machine to Machine) is **not** limited by 1GB/100,000 record limits on the Reporter Portal. Files may be up to **100GB** uncompressed which can contain significantly more than 100,000 records. As stated above, feedback times will be faster with fewer files.

General Announcements & Reminders

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➤ 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
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

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