

---

# Industry Test Release Status

January 7, 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](http://catnmsplan.com)
- Publication of Issue/Option Symbol Reference Lists to [catnmsplan.com](http://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 6, 2020 Statistics

Item	Statistic
Number of Reporting Relationships Entered	408 relationships from 226 firms
Number of ATS Relationships Entered	253 order types from 15 ATS firms
Number of Total Submitters	64
Number of IMIDs	174
Number of Files Received	15,430 <ul style="list-style-type: none"> <li>Reporter Portal: 1,193</li> <li>Private Line: 14,237</li> </ul>
Number of Files Rejected	2,241
File Reject Rate	15.82%
Number of Records Processed in Ingestion Phase (Record level validations)	630,813,179
Number of Processed Records Rejected	81,114,592
Current Reject Rate Overall of Processed Data	12.86%

# Industry Test Status – As of January 6, 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
12/16/19	22	80	1944	1044	53.70%	26,647,869	10,095,937	37.89%
12/17/19	24	75	2916	88	3.02%	51,957,512	5,575,087	10.73%
12/18/19	22	38	1135	59	5.19%	19,325,855	634,886	3.29%
12/19/19	22	39	420	73	17.38%	28,622,765	13,105,408	45.79%
12/20/19	22	52	578	227	39.27%	28,333,867	12,691,987	44.79%
12/23/19	20	44	1,266	50	3.95%	26,859,653	10,033,121	37.35%
12/24/19	16	34	293	21	7.17%	13,056,920	5,332,278	40.84%
12/26/19	17	40	428	50	11.68%	19,627,415	3,092,827	15.76%
12/27/19	21	40	316	33	10.44%	22,326,337	474,276	2.12%
12/30/19	25	43	336	46	13.69%	23,238,607	479,670	2.06%
12/31/19	24	46	434	29	6.68%	22,292,435	459,512	2.06%
1/2/2020	25	60	495	155	31.31%	28,511,955	638,751	2.24%
1/3/2020	33	54	990	54	5.45%	184,925,427	18,017,532	9.74%
1/6/2020	26	51	3,514	147	4.18%	135,086,562	483,320	0.36%
<b>Total</b>			15,430	2,441	15.82%	630,813,179	81,114,592	12.86%

# 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
  - Invalid file name constructs. Examples include:
    - SubmitterID is incorrect
    - fileSequence should be 6 digits
    - file type should be OrderEvents
  - Data file name in the meta file must be the full file name including compression and extension
  - Case sensitivity in JSON – Labels in meta data files are case sensitive

# Known FINRA CAT Issues – Open

Status	Summary	Resolution	Workaround	Release/Targeted Release	Area
Open	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	Reporter Portal
Open	FINRA CAT is accepting the following scenario instead of rejecting- Equity events where the representative indicator or the fulfillment link type value is 'O'.	Code Release	None	1/7/2020	Validations
Open	FINRA CAT is accepting the following scenario instead of rejecting- Future dates in some fields.	Under Review	None	To Be Scheduled	Validations
Open	FINRA CAT is accepting the following scenario instead of rejecting- Route Event with Destination Type of 'E' or 'F' and Sender IMID of <BLANK>.	Code Release	None	1/7/2020	Validations
Open	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
Open	For Name/Value Pair Data type fields providing a null value for a required field such as timeInForce of 'GTD' with a value of null instead of an expiration date causes ingestion processing issues.	Code Release	None	1/7/2020	Validations
Open	Metadata File Rejection count does not correctly count all metadata rejection scenarios	Code Release	None	To Be Scheduled	Statistics
Open	Metadata file having base filename of data file instead of the full filename does not generate time out error on data file.	Code Release	None	1/7/2020	Validations

\*\*\* Known Issues List is published on [www.catnmsplan.com](http://www.catnmsplan.com) under “Technical Specifications” \*\*\*

# Known FINRA CAT Issues – Closed

Status	Summary	Resolution	Workaround	Release/Targeted Release	Area
Closed	<p>FINRA CAT Network Team is assisting some firms with additional details related to their use of IP proxy based access.</p> <p>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.</p>	Documentation Update	N/A	12/20/2019	Network
Closed	Allowable values included in latest Technical Specification 2.2.1 r2 need to be updated in Industry Test.	Code Release	None	12/19/2019	Validations
Closed	Acknowledgement Feedback Files only include base filename. Per specification, acknowledgements should include the full filename.	Code Release	None	12/19/2019	Validations
Closed	FINRA CAT is accepting the following scenario instead of rejecting - Values populated in 'Reserved for Future Use' fields.	Code Release	None	12/19/2019	Validations
Closed	FINRA CAT experienced an SFTP connectivity issue on December 18, 2019 at 9:37 p.m. to December 19 at 11:05 a.m. CAT Reporters were unable to submit via SFTP during this time period; however, Manual File Upload via the CAT Reporter Portal was not impacted.	Configuration Change	None	N/A	File Submission

---

# 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. 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"> <li>- PrivateLine Connectivity &amp; AWS PrivateLink</li> <li>- MFA Update</li> <li>- Review of Industry Test Plan</li> <li>- Review of Industry Release 1.3 Functionality</li> <li>- catnmsplan.com Redesign</li> </ul>	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"> <li>- CAT Reporter Portal Error Correction and Feedback</li> </ul>	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"> <li>- Submission, Error Correction &amp; Feedback</li> </ul>	February 25, 2020
Industry Test Release 1.4	Industry Test Release of: <ul style="list-style-type: none"> <li>- CAT Reporter Portal Announcements &amp; System Status</li> </ul>	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](mailto:help@finracat.com)