Industry CAT CAIS Release Status

November 16, 2022

Agenda

- Full CAIS Release Update
- Open Issues
- Planned Enhancements
- Specification Updates
- General Announcements & Reminders
- Q&A

Industry CAT Full CAIS Release Update

Industry Member Release Rollout – Pre–Full CAIS Production

Full CAIS Release 1
Industry Test – 1/31/2022
Production – 4/25/2022

Ingestion
- Industry Test Open for Machine-to-Machine File & Data Integrity Validations, Material Inconsistencies, and Feedback
- Feedback file contains up to 1,000 Rejections

CAIS Reporter Portal
- Manual File Upload
- Manual Submission
- Submission Feedback
- Inconsistencies Feedback
- Nightly Inconsistencies Report

Full CAIS Certification
opened on 2/1/2022

Full CAIS Release 2a
Industry Test – 3/28/2022
Production – 4/25/2022

Ingestion
- New DRIVERLICENSE Foreign TID Type
- EIN Validation changed to format validation
- Feedback file enhanced to include all Rejections feedback

CAIS Reporter Portal
- FDID Reconciliation Report updated with Full CAIS information (count of CAT Customers and Version information)

Full CAIS Release 2b
Industry Test – 4/11/2022
Production – 4/25/2022

Ingestion
- Remove OTHBKR and CP *customerType* values for Legal Entity Customer Records
- Remove BROKERAGE and ADVISED values for *accountType*
- Remove *primeBrokerID* and *bankDepositoryID* fields and add a new *DVPCustodianID* field

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Industry Member Release Rollout – Full CAIS Production

Full CAIS Release 3a
Industry Test – 5/25/2022
Production – 6/13/2022

Ingestion
- New Authorized Trader Names List on FDID record
- Increase *lastName* field length to 200 characters

Reports
- FDID Version Report posted to SFTP weekly, containing active LTID Phase FDIDs not updated to Full CAIS Phase

CAIS Reporter Portal
- FDID Version Report available on-demand, containing active LTID Phase FDIDs not updated to Full CAIS Phase

Full CAIS Release 4
Industry Test – 6/26/2022
Production – 7/1/2022

Ingestion
- New OTHGOVT Foreign TID Type

Performance Enhancements
- CAIS file processing improvements

Minor Enhancements and Bug Fixes

Full CAIS Release 5
Industry Test – 9/19/2022
Production – 10/3/2022

Performance Enhancements
- CAIS file processing improvements

Minor Enhancements and Bug Fixes

Full CAIS Release 6
Industry Test – 11/21/2022
Production – 12/5/2022

Bug Fixes

Industry Member Release Rollout – Full CAIS Production

CAIS Report Card Release

Report Card
- Full CAIS Compliance begins with the January Report Card published on February 15, 2023
- Compliance Rates distinguished for Correspondent data

Industry Member Release Rollout – Planned Future Enhancements

Industry Test – TBD

Production – TBD

- INACTIVE End Reason
- Automated Transfer Procedure
- Optimization of error feedback
- Validate that *correspondentCRD* is a different identifier than the *catReporterCRD*

Full CAIS Phase Statistics – November 7th – November 13th, 2022

Industry Test Environment							
	Monday, 11/7	**Tuesday, 11/8**	**Wednesday, 11/9**	**Thursday, 11/10**	**Friday, 11/11**	**Saturday, 11/12**	**Sunday, 11/13**
Number of Total Submitters	32	34	29	33	31	8	3
Number of Unique Firms	134	138	135	162	139	16	3
Number of Files Received	Total: 482 Reporter Portal: 97 SFTP: 385	Total: 432 Reporter Portal: 15 SFTP: 417	Total: 435 Reporter Portal: 10 SFTP: 425	Total: 517 Reporter Portal: 12 SFTP: 505	Total: 436 Reporter Portal: 10 SFTP: 426	Total: 30 Reporter Portal: 0 SFTP: 30	Total: 4 Reporter Portal: 1 SFTP: 3
Number of Files Rejected	123	107	110	120	124	0	0
File Reject Rate	25.52%	24.77%	25.29%	23.21%	28.44%	0.00%	0.00%

Full CAIS Phase Statistics – November 7th – November 13th, 2022

Industry Test Environment							
	Monday, 11/7	**Tuesday, 11/8**	**Wednesday, 11/9**	**Thursday, 11/10**	**Friday, 11/11**	**Saturday, 11/12**	**Sunday, 11/13**
FDID Records Accepted	543,737	416,193	726,656	553,201	111,119	8,772	5,090
FDID Records Rejected	81,039	346,860	105,965	121,626	370,401	211,556	256
FDID Records Submitted	624,776	763,053	832,621	674,827	481,520	220,328	5,346
FDID Record Rejection Rate	12.97%	45.46%	12.73%	18.02%	76.92%	96.02%	4.79%

Full CAIS Phase Statistics – November 7th – November 13th, 2022

Industry Test Environment							
	Monday, 11/7	**Tuesday, 11/8**	**Wednesday, 11/9**	**Thursday, 11/10**	**Friday, 11/11**	**Saturday, 11/12**	**Sunday, 11/13**
Customer Records Accepted	252,825	165,688	792,992	215,318	152,240	7,716	5,334
Customer Records Rejected	88,140	287,153	131,110	90,693	202,935	205,877	1,746
Customer Records Submitted	340,965	452,841	924,102	306,011	355,175	213,593	7,080
Customer Record Rejection Rate	25.85%	63.41%	14.19%	29.64%	57.14%	96.39%	24.66%

Full CAIS Phase Statistics – November 7th – November 13th, 2022

	Production Environment						
	Monday, 11/7	**Tuesday, 11/8**	**Wednesday, 11/9**	**Thursday, 11/10**	**Friday, 11/11**	**Saturday, 11/12**	**Sunday, 11/13**
Number of Total Submitters	63	80	78	68	69	18	9
Number of Unique Firms	425	837	901	825	855	428	11
Number of Files Received	Total: 1,288 Reporter Portal: 133 SFTP: 1,155	Total: 2,489 Reporter Portal: 120 SFTP: 2,369	Total: 2,476 Reporter Portal: 55 SFTP: 2,421	Total: 2,239 Reporter Portal: 38 SFTP: 2,201	Total: 2,398 Reporter Portal: 33 SFTP: 2,365	Total: 1,365 Reporter Portal: 4 SFTP: 1,361	Total: 65 Reporter Portal: 3 SFTP: 62
Number of Files Rejected	1	143	151	132	155	92	55
File Reject Rate	0.08%	5.75%	6.10%	5.90%	6.46%	6.74%	84.62%

Full CAIS Phase Statistics – November 7th – November 13th, 2022

Production Environment							
	Monday, 11/7	**Tuesday, 11/8**	**Wednesday, 11/9**	**Thursday, 11/10**	**Friday, 11/11**	**Saturday, 11/12**	**Sunday, 11/13**
FDID Records Accepted	6,269,269	5,757,712	5,916,740	3,305,398	2,956,809	1,186,977	49,304
FDID Records Rejected	4,293,711	1,143,570	406,998	379,491	631,501	246,007	425
FDID Records Submitted	10,562,980	6,901,282	6,323,738	3,684,889	3,588,310	1,432,984	49,729
FDID Record Rejection Rate	40.65%	16.57%	6.44%	10.30%	17.60%	17.17%	0.85%

Full CAIS Phase Statistics –
November 7th – November 13th, 2022

Production Environment							
	Monday, 11/7	**Tuesday, 11/8**	**Wednesday, 11/9**	**Thursday, 11/10**	**Friday, 11/11**	**Saturday, 11/12**	**Sunday, 11/13**
Customer Records Accepted	6,331,426	6,292,934	4,594,572	3,449,287	3,129,153	1,622,348	49,284
Customer Records Rejected	3,797,655	1,203,939	518,014	482,093	770,937	361,474	1,903
Customer Records Submitted	10,129,081	7,496,873	5,112,586	3,931,380	3,900,090	1,983,822	51,187
Customer Record Rejection Rate	37.49%	16.06%	10.13%	12.26%	19.77%	18.22%	3.72%

Full CAIS Phase Rejection Observations

Rejection Source	Top Rejection Reasons
File	• Paired Identifiers file not received • Unauthorized CAT Submitter ID • Duplicate file • CAIS file not Readable • Missing or Invalid File Version
FDID	• Multiple active roles for Customer within *fdidCustomerList* • Associated customer record rejected • No Customer association with trading capabilities • Missing ADDRESS1 type address record • No active customer associations
Customer	• Customer record rejected because an associated FDID was rejected • Missing or Invalid *lastName* • Multiple instances of customer with differing data • Missing or invalid format of *yearOfBirth* • Legal Entity CAT Customer reported with improper *tidType*

Open Issues, Planned Enhancements, and Specification Updates

CAT Full CAIS Open Issues List – As of 11/16/2022 Release Planned/Workaround Provided

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
1	Open	N/A	Intermittent instances where rejections, inconsistencies details and repair credit may be incomplete on the reporter portal screens. Rejections and Inconsistencies details are being delivered via feedback files.	TBD	High	**Fix**: TBD	**Fix**: TBD	Reporter Portal
2	Open	23004, 23005, 24001, 24005, 22503, 22525	An attempt to resolve certain errors may incorrectly generate additional erroneous rejections and/or warnings. For example, resolving a material inconsistency error may generate an erroneous error 22503 (Invalid Use of *updateNotification*). Additionally, FDID Reconciliation Report may be impacted by this issue.	TBD	High	**Fix**: TBD	**Fix**: TBD	Data Validation
3	Open	N/A	High volumes of Rejections and Inconsistencies may result in an incomplete CSV download error.	Code Release	High	**Fix**: TBD	**Fix**: TBD	Reporter Portal
4	Open	N/A	Intermittent issues with filtering results on rejections and inconsistencies.	TBD	High	**Fix**: TBD	**Fix**: TBD	Reporter Portal

*** The Known Issues List is published on www.catnmsplan.com under "Industry Member Specifications" ***

CAT Full CAIS Open Issues List – As of 11/16/2022 Release Planned/Workaround Provided

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
5	Open	N/A	Files containing more than 6 Million total records (FDIDs + CAT Customers) may not return feedback in the times specified within the Full CAIS Technical Specifications.	Code Release	Medium	**Fix**: TBD	**Fix**: TBD	Feedback Files
6	Open	N/A	Submissions Report is displaying negative outstanding counts for rejections and inconsistencies. Also, the export is missing FDID accepted and FDID rejected columns.	Code Release	Medium	**Inconsistencies Fix**: 10/31/22 **Rejections Fix**: TBD	**Inconsistencies Fix**: 11/07/22 **Rejections Fix**: TBD	Reporter Portal
7	Open	N/A	Use of the Manual Submission within the Reporter Portal UI does not currently allow a user to enter extended text characters properly for the *accountName* field. Submission of extended text characters in the field via SFTP or upload of files within the Reporter Portal does allow for the extended text properly.	Code Release	Medium	**Fix**: TBD	**Fix**: TBD	Reporter Portal
8	Open	N/A	In instances when an attempt to repair is also rejected, the user is unable to view the new rejection on the error identification date which means the feedback does not match the rejections on the reporter portal screen.	Code Release	Medium	**Fix**: TBD	**Fix**: TBD	Reporter Portal

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CAT Full CAIS Open Issues List – As of 11/16/2022 Release Planned/Workaround Provided

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
9	Open	N/A	Instances when an error occurs for a customer record where the same CAT customer is reported with multiple *customerRecordID* values, SFTP feedback will include only one of the *customerRecordIDs*. The portal feedback displays all *customerRecordIDs* related to the error.	Code Release	Medium	**Fix**: TBD **Specification Update**: TBD	**Fix**: TBD **Specification Update**: TBD	Feedback Files
10	UPDATED -Open	N/A	Account/Customer Rejections screen incorrectly displays a status of 'Outstanding (0)' and the details screen incorrectly displays a status of 'Outstanding' instead of 'Resolved'. The individual records on details screen are accurately labeled as 'Resolved'. Statistics and feedback are not impacted by this issue.	Code Release	Medium	**Fix**: 11/21/2022	**Fix**: 12/05/2022	Reporter Portal
11	UPDATED -Open	N/A	Use of manual submission form is currently unavailable for submitter firms submitting on behalf of other reporter firms.	Code Release	Medium	**Fix**: 11/21/2022 **Workaround**: Submitter firms can successfully submit via manual file upload and SFTP.	**Fix**: 12/05/2022 **Workaround**: Submitter firms can successfully submit via manual file upload and SFTP.	Reporter Portal

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CAT Full CAIS Open Issues List – As of 11/16/2022 Release Planned/Workaround Provided

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
12	Open	N/A	When a filter has been applied to the Rejections table, the CSV file downloaded includes all records in the table rather than only filtered records.	Code Release	Low	**Fix**: TBD	**Fix**: TBD	Reporter Portal
13	Open	N/A	In limited instances, for dates 9/22/22 and 9/23/22, impacted inconsistencies were erroneously duplicated for the same Customer. Resolving one of them using the *updateNotification* does not resolve all of the Customer's outstanding Inconsistencies.	Data Fix	Low	**Fix**: TBD	**Fix**: TBD	Reporter Portal
14	Open	N/A	The *customerRejectionEventID* conditional attribute within the CAIS Data Feedback File is not present for rejections against customer records. This field is displayed on the reporter portal as a 'Text' rather than 'Unsigned'.	Code Release	Low	Specification Update: TBD	Specification Update: TBD	Feedback Files Reporter Portal
15	Open	24001 24005	Correction attempt with a *rejectionID* unknown to CAIS generates an incorrect warning of 24005 instead of 24001.	Code Release	Low	**Fix**: TBD	**Fix**: N/A	Data Validation
16	Open	N/A	FDID Version Report includes FDIDs that have been previously ended.	Code Release	Low	**Fix**: TBD	**Fix**: TBD	Reports
17	Open	N/A	Duplicate rows are present in the downloaded file when downloading the Rejections table from the Reporter UI.	Code Release	Low	**Fix**: TBD	**Fix**: TBD	Reporter UI

CAT Full CAIS Open Issues List – As of 11/16/2022
Release Planned/Workaround Provided

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
18	NEW-Open	22526, 22914	Incorrectly generating Error code 22526 (*customerRecordID* not present in paired Identifiers file) instead of 22914 when the Paired TID Record fails validation.	Code Release	Low	**Fix:** 11/21/2022	**Fix:** 12/5/2022	Data Validation
19	NEW-Open	30002, 30003, 30004	Intermittent instances where the CAIS system incorrectly generates subsequent nightly inconsistencies on customer records that have already been resolved with a prior submission.	Code Release	Low	**Fix:** TBD	**Fix:** TBD	Data Validation

CAT Full CAIS Recently Closed Issues List
As of 11/16/2022

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
1	Closed	N/A	Customer Rejections from days prior to 10/3 release are not being displayed on the Customer Rejections Screen.	Code Release	High	**Fix:** 10/18/22	**Fix**: 10/21/2022	Reporter Portal

CAT CAIS Planned Enhancements – Open

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date	Production/Production Mirror Environments Targeted Release Date	Area
1	Open	N/A	The Update button on a Manual Form Submission is enabled when viewing a previously added record. The button should be disabled until at least one field is updated by the user.	Code Release	Low	**Fix:** TBD	**Fix:** TBD	Manual Form Submission
2	Open	N/A	When selecting date values in the Manual Form Submission, the date is not selected when the user first clicks a date. The date is only selected on the second click.	Code Release	Low	**Fix:** TBD	**Fix:** TBD	Manual Form Submission
3	Open	N/A	Certain columns are not displayed in the Submission Report by default.	Code Release	Low	**Workaround:** User may add the columns to their view. **Fix:** TBD	**Fix:** TBD	Reporter Portal

CAT CAIS Planned Enhancements – Recently Closed

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date	Production/Production Mirror Environments Targeted Release Date	Area

CAT CAIS–
Planned Full CAIS Phase Specification Updates

#	Status	Summary	Publish Date	Spec Version	Effective Date - Test	Effective Date – Prod/Prod Mirror
1	Published	Add a new *fdidEndReason* value of 'INACTIVE' as option to end FDIDs that have had no CAT-reportable activity events (e.g., MENO, MEOR, MEOT, etc.) associated with the Account in the prior six months. For the purposes of periodic refresh requirements, monthly refresh report excludes any FDID with an *fdidEndReason* of 'INACTIVE' populated and an *fdidEndDate* set on or before the date of the report.	3/9/22	2.0 r7	TBD	TBD
2	Open	Update the description of Error Code 22523 – Customer Record rejected because an associated FDID was rejected – to include that the Error Code is also returned in the event the Customer Record is not associated to at least one FDID within the submission file.	TBD	2.0 r10	N/A	N/A
3	Open	Update the October 11, 2022 date in the description of the *role* value of 'AUTH3RD' to be consistent with revised FAQ T7. Specifically, prior to June 12, 2023, this *role* may be used when the Industry Member itself has authority to place orders for the Account without prior approval of the account holder(s) and is not the holder of the account. Effective June 12, 2023, the *role* for the Industry Member must be reported as 'AUTHREP'.	TBD	2.0 r10	N/A	N/A
4	Open	Clarify the description of the *customerType* value of 'RIC'- Customer is a Registered Investment Company, as defined in the Investment Company Act of 1940 (15 U.S.C. § 80a–3(a)(1)), if maintained in the Industry Member's general customer and account records.	TBD	2.0 r10	N/A	N/A
5	Open	Update the definition of the sentinel file for the Nightly Inconsistencies scans to remove the .bz2 compression. The sentinel file does not contain any significant data and does not require the compression.	TBD	2.0r 10	N/A	N/A

* Planned Technical Specification updates are subject to approval by the CAT NMS Plan Operating Committee.

CAT CAIS–
Planned Full CAIS Phase Specification Updates

#	Status	Summary	Publish Date	Spec Version	Effective Date - Test	Effective Date – Prod/Prod Mirror
6	Open	Clarify that a total of 2,000 Customer Records can currently be associated with an FDID Record. Create an additional Error Code for more granularity on this validation, currently feedback provided under Error Code 23999 (Unhandled Exception).	TBD	2.0 r10	7/31/22	8/8/22
7	Open	Update the Table 17 and Table 18 entries for the file status of COMPLETED_FILE_TIMEOUT to include the status is also returned in the CAIS Data Feedback or TIDS Feedback files in the event the paired file is received but reaches a COMPLETED_INTEGRITY_ERROR state.	TBD	2.0r 10	N/A	N/A
8	Open	Clarify that the nightly inconsistencies scan feedback for Material Inconsistencies where the Industry Member is Impacted by submissions of another Industry Member is provided to the Impacted Industry Member no later than 8AM ET each processing day.	TBD	2.0 r10	N/A	N/A
9	Open	Remove error code 22066 (*roleStartDate* set prior to *fdidDate*).	TBD	2.0 r10	7/31/22	8/8/22
10	Open	Add warning code 24008 (Data Type Violation within *correctionList*) – present in LTID Specification but was not copied over to Full CAIS Specifications.	TBD	2.0 r10	N/A	N/A

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CAT CAIS–
Planned Full CAIS Phase Specification Updates

#	Status	Summary	Publish Date	Spec Version	Effective Date - Test	Effective Date – Prod/Prod Mirror
11	Open	Update Table 19 to clarify that *updateNotifications* is a Main JSON Object.	TBD	2.0 r10	N/A	N/A
12	Open	Update Table 17 to clarify that *correspondentCRD* is only populated in the feedback file when *correspondentCRD* is populated in the submission file.	TBD	2.0 r10	N/A	N/A
13	Open	Update Table 17 to clarify that the data type for *addrType* is Choice rather than Text (2).	TBD	2.0 r10	N/A	N/A
14	Open	• Table 17: Update the *statusHistory* to include COMPLETED_INTEGRITY_ERROR and INCOMPLETE_PROCESSING FAILURE. • Table 18: Update *statusHistory* to include COMPLETED_FILE_TIMEOUT and INCOMPLETE_PROCESSING_FAILURE. • Table 19: Update *submissionStatus* to include COMPLETED_WITH_REJECTIONS, COMPLETED_WITHOUT_REJECTIONS, and CANCELLED_BY_SUPPORT, as well as remove COMPLETED. Note: the *submissionStatus* attribute is slated for removal from the Submission Inconsistencies Feedback File in the future (effective date is TBD).	TBD	2.0 r10	N/A	N/A
15	Open	Clarify the description of *customerType* value of 'BD' - Customer is a US registered Broker/Dealer, if maintained in the Industry Member's general customer and account records. Effective July 11, 2023, 'BD' must be populated for all US registered Broker/Dealer customer types, including for broker-dealer Customers that were not identified as 'BD' prior to July 11, 2023.	TBD	2.0 r10	N/A	N/A

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General Announcements and Reminders

FINRA CAT Announcements and Reminders

➢ The next CAT CAIS Checkpoint call will be on Tuesday, November 22, 2022, at 4:15 pm ET.

➢ The November 30, 2022 Full CAIS Error Simplification Webinar has been postponed and the new date will be announced later.

➢ Connectivity Guides, Reporting Scenarios, Use Cases, and updated FAQs available at catnmsplan.com

Industry Member Timeline Design

Requirement	Date
Production Certification Deadline	July 25, 2022
Interim reporting obligation 1: CAT Submitters Partial Submissions. • For a single date within the range specified, complete a scheduled partial submission to the Prod Environment in Full CAIS Format. FINRA CAT will begin contacting CAT Submitters on August 1 to schedule their partial submission dates.	August 15 – September 15, 2022
Interim reporting obligation 2: All Industry Members – Submission of all FDIDs and Customers • For a single date within the range specified, complete a scheduled submission of the FDID Population with CAT-Reportable activity between June 12, 2022 and September 30, 2022 to the Prod Environment in Full CAIS format. FINRA CAT will begin contacting all Industry Members on October 3 to schedule their specific reporting date.	October 10 – October 31, 2022
Interim reporting obligation 3: Daily reporting of FDID and Customer Data • All Industry members must begin daily reporting of FDID records and changes/additions for all CAT-Reportable Activity beginning June 12, 2022 through at least September 30, 2022. Corrections to reported data are not required until Interim Reporting Obligation 4.	November 7, 2022
Interim reporting obligation 4:All outstanding Rejections and Material Inconsistences addressed • All outstanding rejections and Material Inconsistences for all CAT-reportable activity beginning June 12, 2022 are resolved.	December 5, 2022
Full CAIS Compliance date (Error correction timeline fully enforced) • All error repair and material inconsistency resolution deadlines are enforced.	December 12, 2022

‣ An Announcement was published and the Timeline was updated. Please see CAT Alert 2022-01 for more information.

FINRA CAT Helpdesk

Questions may be directed to the FINRA CAT Helpdesk at 888-696-3348 or help@finracat.com

FINRA SRO

➤ Comment from FINRA SRO

How to Ask a Question during Today's Call

- **For participants using computer audio:**
  - Click 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.