Industry CAT CAIS Release Status

September 14th, 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

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

CAIS Report Card Release

Report Card
- Full CAIS Compliance begins with the January Report Card published on February 15th, 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

Full CAIS Phase Statistics – September 5th – September 11th, 2022

Industry Test Environment							
	Monday, 9/5	**Tuesday, 9/6**	**Wednesday, 9/7**	**Thursday, 9/8**	**Friday, 9/9**	**Saturday, 9/10**	**Sunday, 9/11**
Number of Total Submitters	8	18	28	6	25	6	4
Number of Unique Firms	30	160	256	115	106	59	4
Number of Files Received	Total: 42 Reporter Portal: 2 SFTP: 40	Total: 583 Reporter Portal: 8 SFTP: 575	Total: 3,503 Reporter Portal: 24 SFTP: 3,479	Total: 285 Reporter Portal: 14 SFTP: 271	Total: 277 Reporter Portal: 49 SFTP: 228	Total: 115 Reporter Portal: 0 SFTP: 115	Total: 4 Reporter Portal: 0 SFTP: 4
Number of Files Rejected	9	12	18	46	32	2	0
File Reject Rate	21.43%	2.06%	0.51%	16.14%	11.47%	1.74%	0.00%

Full CAIS Phase Statistics – September 5th – September 11th, 2022

Industry Test Environment							
	Monday, 9/5	Tuesday, 9/6	Wednesday, 9/7	Thursday, 9/8	Friday, 9/9	Saturday, 9/10	Sunday, 9/11
FDID Records Accepted	13,807	315,996	2,362,539	677,549	538,406	159,083	3,780
FDID Records Rejected	21,853	28,925	118,551	83,138	33,265	7,477	1,357
FDID Records Submitted	35,660	344,921	2,481,090	760,687	571,671	166,560	5,137
FDID Record Rejection Rate	61.28%	8.39%	4.78%	10.93%	5.82%	4.49%	26.42%

Full CAIS Phase Statistics – September 5th – September 11th, 2022

Industry Test Environment							
	Monday, 9/5	**Tuesday, 9/6**	**Wednesday, 9/7**	**Thursday, 9/8**	**Friday, 9/9**	**Saturday, 9/10**	**Sunday, 9/11**
Customer Records Accepted	9,402	373,549	2,536,691	801,647	322,317	185,616	3,279
Customer Records Rejected	20,911	31,001	112,904	73,643	63,174	7,598	909
Customer Records Submitted	30,313	404,550	2,649,595	875,290	385,491	193,214	4,188
Customer Record Rejection Rate	68.98%	7.66%	4.26%	8.41%	16.39%	3.93%	21.70%

Full CAIS Phase Statistics – September 5th – September 11th, 2022

Production Environment							
	Monday, 9/5	**Tuesday, 9/6**	**Wednesday, 9/7**	**Thursday, 9/8**	**Friday, 9/9**	**Saturday, 9/10**	**Sunday, 9/11**
Number of Total Submitters	13	38	38	42	35	8	2
Number of Unique Firms	15	83	40	181	171	144	2
Number of Files Received	Total: 59 Reporter Portal: 1 SFTP: 58	Total: 249 Reporter Portal: 131 SFTP: 118	Total: 255 Reporter Portal: 178 SFTP: 77	Total: 3,148 Reporter Portal: 152 SFTP: 2,996	Total: 1,485 Reporter Portal: 62 SFTP: 1,423	Total: 1,348 Reporter Portal: 68 SFTP: 1,280	Total: 10 Reporter Portal: 0 SFTP: 10
Number of Files Rejected	2	8	4	10	9	44	0
File Reject Rate	3.39%	3.21%	1.57%	0.32%	0.61%	3.24%	0.00%

Full CAIS Phase Statistics – September 5th – September 11th, 2022

Production Environment							
	Monday, 9/5	**Tuesday, 9/6**	**Wednesday, 9/7**	**Thursday, 9/8**	**Friday, 9/9**	**Saturday, 9/10**	**Sunday, 9/11**
FDID Records Accepted	200,540	239,368	256,676	1,666,208	769,265	611,681	285
FDID Records Rejected	849	9,801	3,016	9,117	6,254	18,294	0
FDID Records Submitted	201,389	249,169	259,692	1,675,325	775,519	629,975	285
FDID Record Rejection Rate	0.42%	3.93%	1.16%	0.54%	0.81%	2.90%	0.00%

Full CAIS Phase Statistics – September 5th – September 11th, 2022

Production Environment							
	Monday, 9/5	Tuesday, 9/6	Wednesday, 9/7	Thursday, 9/8	Friday, 9/9	Saturday, 9/10	Sunday, 9/11
Customer Records Accepted	75,492	103,155	108,383	1,905,929	802,951	831,003	10
Customer Records Rejected	1,085	9,017	4,129	9,290	7,759	35,230	0
Customer Records Submitted	76,577	112,172	112,512	1,915,219	810,710	866,233	10
Customer Record Rejection Rate	1.42%	8.04%	3.67%	0.49%	0.96%	4.07%	0.00%

Full CAIS Phase Rejection Observations

Rejection Source	Top Rejection Reasons
File	• Duplicate file • Paired Identifiers file not received • Unauthorized CAT Submitter ID • Missing or invalid file *version* • CAIS file not readable
FDID	• FDID rejected because associated Customer was rejected • Missing or invalid *customerRecordID* within *fdidCustomerList* • Multiple active roles for Customer within *fdidCustomerList* • Missing or invalid format of *LargeTraderID* • No Customer association with trading capabilities
Customer	• Customer rejected because an associated FDID was rejected • Malformed TID record • Customer has an open material inconsistency and *updateNotification* was not set as true • Legal Entity CAT Customer reported with improper *tidType* • Missing or invalid *legalName*

Open Issues, Planned Enhancements, and Specification Updates

CAT Full CAIS Open Issues List – As of 9/14/2022 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	22041	Instances of CAIS Data feedback containing 22041 errors when the *customerRecordID* is present in the file on either a Natural Person or Legal Entity customer record, and the same *customerRecordID* has a malformed TID warning in the CAIS TIDS feedback. A 22048 error is expected instead of the 22041 error.	Code Release	Medium	**Fix**: 9/19/2022	**Fix**: 10/3/22	Data Validation
2	Open	N/A	Intermittent instances where feedback file versions are not correctly being generated for a submission. This issue may impact any version of both CAIS Data and TIDs feedback files. This issue also impacts LTID Phase (v1) reporting.	Code Release	Medium	**Fix**: 9/19/2022	**Fix**: 10/3/22	Feedback Files
3	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 will include all *customerRecordIDs* related to the error.	Code Release	Medium	**Fix**: TBD	**Workaround**: All affected *customerRecordIDs* are displayed within the CAIS Reporter Portal UI.

Fix: TBD | Feedback Files |

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

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CAT Full CAIS Open Issues List – As of 9/14/2022 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
4	Open	N/A	Within the CAIS Reporter Portal Submission Report, counts of customer records repaired and outstanding are counted by TID rather than *customerRecordID*. Repaired and outstanding rejections counts may not match the count of records rejected.	Code Release	Low	**Fix**: 9/19/22	**Fix**: 10/3/22	Submission Report
5	Open	N/A	The 365-day grace period is currently only provided for 'IMPACTED' inconsistencies. This fix will apply the grace period to 'TRIGOTHER' inconsistencies as well.	Code Release	Medium	**Fix**: TBD	**Fix**: TBD	Inconsistencies
6	Open	N/A	The *customerRejectionEventID* conditional attribute within the CAIS Data Feedback File is not present for rejections against customer records.	Code Release	Low	**Fix**: TBD	**Fix**: TBD	Feedback Files
7	Open	N/A	High volumes of Rejections and Inconsistencies may result in a time-out on the UI before being displayed to the user. Limiting the number of Rejections and Inconsistencies available in the UI is under analysis.	Code Release	High	**Fix**: TBD	**Fix**: TBD	Reporter Portal

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CAT Full CAIS Open Issues List – As of 9/14/2022 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
8	Open	N/A	Timestamps in the Nightly Inconsistencies Feedback File are in ISO format (e.g., 2022-08-01T23:29:29.971Z) instead of the Timestamp format prescribed in the CAIS Technical Specifications.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Inconsistencies
9	Open	N/A	The *reporterCRD* attribute within the Nightly Inconsistencies Feedback File is being output as a String data type instead of Unsigned.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Inconsistencies
10	Open	N/A	Instances of rejections and inconsistencies not being repaired due to database load backlog.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Error Repairs and Inconsistencies
11	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
12	Open	22041, 22042, 22526	Incorrect error codes produced (22041, 22042) when a *customerRecordID* has an entry in the CAIS Data File but no entry in the TIDs File. 22526 is expected to be returned in this scenario.	Code Release	Medium	**Fix**: 9/19/22	**Fix**: 10/3/22	Feedback Files

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CAT Full CAIS Open Issues List – As of 9/14/2022 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
13	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
14	Open	N/A	In the event a correction or deletion within the *correctionList* is rejected, the *failedRejectionID* attribute is missing from the CAIS Data Feedback file.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Feedback Files
15	Open	N/A	The /reports directory is not being made available via SFTP in the Industry Test environment, and the FDID Version Report cannot be posted.	Code Release	Medium	**Workaround:** Access the FDID Version Report from within the CAIS Reporter Portal UI. Reports containing more than 200,000 FDIDs cannot be downloaded from the UI. **Fix**: 9/19/22	**Fix**: N/A	Reports
16	Open	22044	Intermittent instances of CAIS Data files resulting in an INCOMPLETE_PROCESSING_FAILURE status when the file contains FDID records with associations to more than one customer, and at least one of the associations does not have a populated *roleStartDate*.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Data Validation

CAT Full CAIS Open Issues List – As of 9/14/2022
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
17	Open	23004, 23005, 22503, 22525	Instances of rejections being erroneously produced due to database ingest backlog.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Error Repairs and Inconsistencies
18	Open	N/A	Unable to retrieve the FDID Reconciliation Report.	Code Release	Medium	**Fix**: 9/19/22	**Fix**: 10/3/22	Reports
19	Open	N/A	Intermittent instances where the CAIS data feedback file does not include all the feedback stages in *statusHistory*.	Code Release	Medium	**Fix:** TBD	**Fix:** TBD	Feedback Files
20	UPDATE-Open	30002, 30003, 30004	Nightly inconsistencies feedback and sentinel files are not being generated in the Test and Production Environments. As a result of this issue firms are not able to access the inconsistency feedback SFTP folders.	Code Release	High	**Fix**: 9/19/22	**Fix**: 10/3/22	Inconsistencies Feedback Files

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

CAT Full CAIS Recently Closed Issues List
As of 9/14/2022

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
1								

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
4	Open	N/A	For both TRIG-SELF and TRIG-OTHER inconsistencies, the *materialInconsistencies* count within the Submission Inconsistencies Feedback File is 1 (e.g., "30003:1"). The count will be updated to 0 for TRIG-SELF inconsistencies and 1+ for TRIG-OTHER inconsistencies.	Code Release	Low	**Fix:** 9/19/22	**Fix:** 10/3/22	Feedback Files

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
1								

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.	3/9/2022	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	7/31/2022	8/8/2022
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 *submissionStatus* from Submission Inconsistencies Feedback File.	TBD	2.0 r10	TBD	TBD
10	Open	Remove error code 22066 (*roleStartDate* set prior to *fdidDate*).	TBD	2.0 r10	7/31/2022	8/8/2022

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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	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
12	Open	Reduce the maximum SFTP file size limit from 100GB to a lower, TBD amount.	TBD	2.0 r10	N/A	N/A
13	NEW-Open	Update Table 19 to clarify that *updateNotifications* is a Main JSON Object.	TBD	2.0 r10	N/A	N/A
14	NEW-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
15	NEW-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

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

General Announcements and Reminders

FINRA CAT Announcements and Reminders

➤ The CAIS Test Environment will be unavailable from Friday, September 16th at 6 PM ET to Sunday September 18th at 9 PM ET due to an enhancement release to the CAIS Test Environment.

FINRA CAT Announcements and Reminders

➢ CAT CAIS Checkpoint Calls are being held weekly. The next call will be on September 21, 2022 at 4:15 pm ET.

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

FINRA CAT Helpdesk

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

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.

Appendix A:
Industry CAT CAIS LTID Release Update

CAIS LTID Phase Statistics – September 5th – September 11th, 2022

Production Environment							
	Monday, 9/5	**Tuesday, 9/6**	**Wednesday, 9/7**	**Thursday, 9/8**	**Friday, 9/9**	**Saturday, 9/10**	**Sunday, 9/11**
Number of Total Submitters	16	39	40	38	39	12	2
Number of Unique Firms	16	308	417	467	461	230	2
Number of Files Received	Total: 20 Reporter Portal: 0 SFTP: 20	Total: 366 Reporter Portal: 28 SFTP: 338	Total: 856 Reporter Portal: 8 SFTP: 848	Total: 901 Reporter Portal: 6 SFTP: 895	Total: 904 Reporter Portal: 12 SFTP: 892	Total: 628 Reporter Portal: 0 SFTP: 628	Total: 2 Reporter Portal: 0 SFTP: 2
Number of Files Rejected	0	11	2	4	4	0	0
File Reject Rate	0.00%	3.01%	0.23%	0.44%	0.44%	0.00%	0.00%

CAIS LTID Phase Statistics – September 5th – September 11th, 2022

Production Environment							
	Monday, 9/5	**Tuesday, 9/6**	**Wednesday, 9/7**	**Thursday, 9/8**	**Friday, 9/9**	**Saturday, 9/10**	**Sunday, 9/11**
Records Accepted	26,278	265,865	384,378	424,453	401,173	481,448	469
Records Rejected	123	33,490	33,827	33,852	33,788	299	0
Records Submitted	26,401	299,355	418,205	458,305	434,961	481,747	469
Record Rejection Rate	0.47%	11.19%	8.09%	7.39%	7.77%	0.06%	0.00%

CAT CAIS–
Planned LTID Phase Specification Updates

#	Status	Summary	Publish Date	Spec Version
1	Open	Clarify that malformed LTID can be corrected by sending the same FDID with corrected LTID entry - does NOT require *correctionAction* message	TBD	V1.2.3