Industry CAT CAIS Release Status

December 14, 2022

Agenda

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

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 Full CAIS Release 6 Industry Test – 11/21/2022 Production – 12/19/2022

Bug Fixes

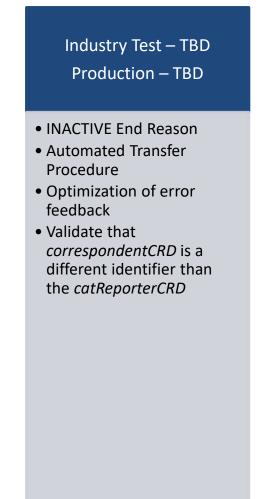
Industry Member Release Rollout – Full CAIS Production

CAIS Report Card Release

Report Card

- The first Full CAIS Compliance Report Card will be published on May 15, 2023 for the month of April 2023
- Compliance Rates distinguished for Correspondent data

Industry Member Release Rollout -Planned Future Enhancements



Production Environment										
	Monday, 12/5	Tuesday, 12/6	Wednesday, 12/7	Thursday, 12/8	Friday, 12/9	Saturday, 12/10	Sunday, 12/11			
Number of Total Submitters	61	67	70	65	61	24	9			
Number of Unique Firms	372	813	848	839	867	455	10			
Number of Files Received	Total: 1,116 Reporter Portal: 70 SFTP: 1,046	Total: 3,014 Reporter Portal: 15 SFTP: 2,999	Total: 2,472 Reporter Portal: 24 SFTP: 2,448	Total: 3,560 Reporter Portal: 35 SFTP: 3,525	Total: 2,826 Reporter Portal: 16 SFTP: 2,810	Total: 2,036 Reporter Portal: 0 SFTP: 2,036	Total: 74 Reporter Portal: 4 SFTP: 70			
Number of Files Rejected	61	32	35	254	37	25	0			
File Reject Rate	5.47%	1.06%	1.42%	7.13%	1.31%	1.23%	0.00%			

Production Environment											
Monday, 12/5 Tuesday, 12/6 Wednesday, 12/7 Thursday, 12/8 Friday, 12/9 Saturday, 12/10 S											
FDID Records Accepted	3,463,436	27,686,931	10,176,928	2,915,991	2,379,599	1,522,499	90,916				
FDID Records Rejected	109,463	3,894,730	499,081	452,568	270,313	162,343	279				
FDID Records Submitted	3,572,899	31,581,661	10,676,009	3,368,559	2,649,912	1,684,842	91,195				
FDID Record Rejection Rate	3.06%	12.33%	4.67%	13.44%	10.20%	9.64%	0.31%				

Production Environment											
Monday, 12/5 Tuesday, 12/6 Wednesday, 12/7 Thursday, 12/8 Friday, 12/9 Saturday, 12/1											
Customer Records Accepted	3,258,942	23,710,122	9,483,672	3,904,363	3,050,171	2,017,958	116,753				
Customer Records Rejected	128,728	7,464,677	437,743	522,575	335,965	204,613	644				
Customer Records Submitted	3,387,670	31,174,799	9,921,415	4,426,938	3,386,136	2,222,571	117,397				
Customer Record Rejection Rate	3.80%	23.94%	4.41%	11.80%	9.92%	9.21%	0.55%				

Full CAIS Phase Rejection Observations

Rejection Source	Top Rejection Reasons
File	 Duplicate file Paired Identifiers file not received Missing or Invalid File Version Unauthorized CAT Submitter ID Invalid CAIS File Name
FDID	 Associated Customer Record rejected Missing or Invalid <i>DVPCustodianID</i> No Customer association with trading capabilities Missing or Invalid <i>customerRecordID</i> within <i>fdidCustomerList</i> Missing ADDRESS1 type Address Record
Customer	 Customer record rejected because an associated FDID was rejected Customer Record has an open Material Inconsistency and <i>updateNotification</i> was not set as true Invalid use of <i>updateNotification</i> <i>customerRecordID</i> not present in paired Identifiers file Legal Entity CAT Customer reported with improper <u>tidType</u>

Open Issues, Planned Enhancements, and Specification Updates

#	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	TBD	High	Fix: TBD	Fix: TBD	Data Validation
3	UPDATED- Open	N/A	Intermittent instances where 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

#	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 <i>accountName</i> 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

#	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 <i>customerRecordID</i> values, SFTP feedback will include only one of the <i>customerRecordIDs</i> . The portal feedback displays all <i>customerRecordIDs</i> related to the error.	Code Release	Medium	Fix: TBD Specification Update: TBD	Fix: TBD Specification Update: TBD	Feedback Files
10	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 : 12/19/2022	Reporter Portal
11	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: 12/19/2022 Workaround: Submitter firms can successfully submit via manual file upload and SFTP.	Reporter Portal

#	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 <i>updateNotification</i> does not resolve all of the Customer's outstanding Inconsistencies.	Data Fix	Low	Fix: TBD	Fix: TBD	Reporter Portal
14	Open	N/A	The <i>customerRejectionEventID</i> 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 <i>rejectionID</i> 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

#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
18	Open		Incorrectly generating Error code 22526 (<i>customerRecordID</i> not present in paired Identifiers file) instead of 22914 when the Paired TID Record fails validation.	Code Release	Medium	Fix: TBD	Fix: TBD	Data Validation
19	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
20	Open	N/A	Rejection feedback and material inconsistences for files submitted as of 11/21/22 are currently unavailable in the CAT CAIS Industry Test environment reporter portal. This feedback is available via SFTP.	TBD	High	Fix: TBD	Fix: N/A	Reporter Portal
21	Open	N/A	Resolved rejections and inconsistencies continue to be displayed on the screens even after 10 days of resolution.	TBD	Low	Fix: TBD	Fix: TBD	Reporter Portal
22	Open	N/A	User is unable to filter on the submission date due to submission timestamp available in UTC format.	Code Release	Low	Fix: TBD	Fix: TBD	Reporter Portal

	#	Status	Error Code	Summary	Resolution	Priority	Test Environment Targeted Release Date/Workaround	Production/Production Mirror Environments Targeted Release Date/Workaround	Area Affected
2	23	Open	22523	In intermittent instances, incorrectly generating error code 22523 (Customer Record rejected because an associated FDID was Rejected) when the associated FDID was accepted. This issue may also impact resolution of the 22523 errors.	Code Release	Medium	Fix: TBD	Fix: TBD	Data Validation
2	24	NEW – Open	22016	Rejection feedback does not include the FDIDs being rejected in instances when the <i>ItidEffectiveDate</i> and/or <i>ItidEndDate</i> values are missing or not properly formatted. In such scenarios the customer record is rejected with the error code 22523 (Customer Record rejected because an associated FDID was Rejected).	Code Release	Medium	Fix: TBD	Fix: TBD	Data Validation
2	25	NEW – Open	•	Incorrectly rejecting extended text data type fields when the field includes limited set of printable ASCII characters on extended range.	Code Release	Low	Fix: TBD	Fix: TBD	Data Validation

CAT Full CAIS Recently Closed Issues List As of 12/14/2022

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

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: N/A	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 <i>fdidEndReason</i> 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 <i>fdidEndReason</i> of 'INACTIVE' populated and an <i>fdidEndDate</i> 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 <i>role</i> value of 'AUTH3RD' to be consistent with revised FAQ T7. Specifically, prior to June 12, 2023, this <i>role</i> 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 <i>role</i> for the Industry Member must be reported as 'AUTHREP'.	TBD	2.0 r10	N/A	N/A
4	Open	Clarify the description of the <i>customerType</i> 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 (<i>roleStartDate</i> set prior to <i>fdidDate</i>).	TBD	2.0 r10	7/31/22	8/8/22
10	Open	Add warning code 24008 (Data Type Violation within <i>correctionList</i>) – present in LTID Specification but was not copied over to Full CAIS Specifications.	TBD	2.0 r10	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
11	Open	Update Table 19 to clarify that <i>updateNotifications</i> is a Main JSON Object.	TBD	2.0 r10	N/A	N/A
12	2 Open	Update Table 17 to clarify that <i>correspondentCRD</i> is only populated in the feedback file when <i>correspondentCRD</i> is populated in the submission file.	TBD	2.0 r10	N/A	N/A
13	B Open	Update Table 17 to clarify that the data type for <i>addrType</i> is Choice rather than Text (2).	TBD	2.0 r10	N/A	N/A
14	Open	 Table 17: Update the <i>statusHistory</i> to include COMPLETED_INTEGRITY_ERROR and INCOMPLETE_PROCESSING FAILURE. Table 18: Update <i>statusHistory</i> to include COMPLETED_FILE_TIMEOUT and INCOMPLETE_PROCESSING_FAILURE. Table 19: Update <i>submissionStatus</i> to include COMPLETED_WITH_REJECTIONS, COMPLETED_WITHOUT_REJECTIONS, and CANCELLED_BY_SUPPORT, as well as remove COMPLETED. Note: the <i>submissionStatus</i> 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
19	5 Open	Clarify the description of <i>customerType</i> 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

* 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 next CAT CAIS Checkpoint call will be on Wednesday, December 21, 2022, at 4:15 pm ET.
- The Material Inconsistencies Webinar is planned to be held at the conclusion of the December 21, 2022 CAT CAIS Checkpoint call.
- 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. 	March 10, 2023
 Full CAIS Compliance date (Error correction timeline fully enforced) All error repair and material inconsistency resolution deadlines are enforced. 	March 17, 2023

An <u>Announcement</u> was published and the <u>Timeline</u> was updated. Please see <u>CAT Alert 2022-01</u> for more information.

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

	Industry Test Environment										
	Monday, 12/5	Tuesday, 12/6	Wednesday, 12/7	Thursday, 12/8	Friday, 12/9	Saturday, 12/10	Sunday, 12/11				
Number of Total Submitters	26	28	27	26	23	9	6				
Number of Unique Firms	111	260	233	188	275	189	133				
Number of Files Received	Total: 347 Reporter Portal: 4 SFTP: 343	Total: 900 Reporter Portal: 7 SFTP: 893	Total: 866 Reporter Portal: 27 SFTP: 839	Total: 1,202 Reporter Portal: 4 SFTP: 1,198	Total: 1,642 Reporter Portal: 1 SFTP: 1,641	Total: 1,180 Reporter Portal: 0 SFTP: 1,180	Total: 283 Reporter Portal: 0 SFTP: 283				
Number of Files Rejected	101	123	116	106	107	2	1				
File Reject Rate	29.11%	13.67%	13.39%	8.82%	6.52%	0.17%	0.35%				

	Industry Test Environment										
	Monday, 12/5	Tuesday, 12/6	Wednesday, 12/7	Thursday, 12/8	Friday, 12/9	Saturday, 12/10	Sunday, 12/11				
FDID Records Accepted	301,992	3,924,419	390,460	1,380,379	747,342	406,720	89,395				
FDID Records Rejected	19,490,197	663,289	50,329	30,366	39,972	5,458	3,954				
FDID Records Submitted	19,792,189	4,587,708	440,789	1,410,745	787,314	412,178	93,349				
FDID Record Rejection Rate	98.47%	14.46%	11.42%	2.15%	5.08%	1.32%	4.24%				

	Industry Test Environment										
	Monday, 12/5	Tuesday, 12/6	Wednesday, 12/7	Thursday, 12/8	Friday, 12/9	Saturday, 12/10	Sunday, 12/11				
Customer Records Accepted	223,552	3,448,349	332,046	1,834,540	1,539,373	1,240,883	115,201				
Customer Records Rejected	18,862,017	190,984	51,730	33,394	56,502	9,864	4,112				
Customer Records Submitted	19,085,569	3,639,333	383,776	1,867,934	1,595,875	1,250,747	119,313				
Customer Record Rejection Rate	98.83%	5.25%	13.48%	1.79%	3.54%	0.79%	3.45%				