FLORIDA EDUCATION IDENTIFIER (FLEID)

Presented by: Shannon Stewart & Shawna Reid

FAMIS Summer Conference 2020

June 29, 2020

Agenda

- Webinar Guidelines

- FLEID Housekeeping

- FLEID Introduction

- FLEID Benefits

- FLEID Milestones

- FLEID Process

- FLEID Updates

Webinar Guidelines

- Mics will be muted at the start of the presentation. If you have questions, please send a chat message and we will answer throughout the presentation as time allows.

- We have a facilitator who will assist us with the session and provide guidance as needed.

- Please e-mail us at FLEIDProject@fldoe.org if you are unable to get a question answered during the session and we will follow-up post presentation.

- If we encounter technical difficulties on our end, please give us time to attempt to address the issue before logging off.

- If you are unable to hear us, please send a message via the chat feature to let us know.

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FLEID Housekeeping

❖ FDOE FLEID Sessions

- Introductory Session.

- Advanced Session.

❖ FLEID Acceptance Parameters

- Accepting **1415-2021.**

- District/School Enrollments.

❖ FAMIS Survey Feedback

- Provide helpful/constructive feedback.

- Specify the presenter feedback by name.

❖ FLEID Contact List Updates

- New Staff Contact Info.

- Near Match Directory.

What is the FLEID?

- It's a 14 character alphanumeric unique identifier with the first two characters starting with "FL" followed by a series of 12 digits. **Example: FL000123456789.**

- Used to uniquely identify both students and staff within the educational system.

- Florida Education Identifier, mandated by 2014 legislation (F.S. 1008.386).

- Generated and assigned within the Florida Department of Education (FDOE) since 2015.

- Used in district and college management information systems as a student identifier.

- The FLEID is currently stored in a secure database known as the FLEID Vault.

- As of July 1st, 2020 the FLEID will be the only identifier accepted on district data submissions.

Please keep in mind:

- The FLEID is not a replacement of the Social Security number (SSN).
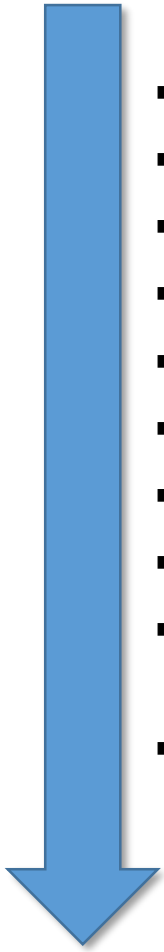- The FLEID is not currently exclusively generated for students.

FLEID Benefits

- District & college files can be processed numerous times a day Monday - Sunday.

- Efficient matching and assignment of student identifiers.

- Reduces the usage and transferring of the SSN within educational systems.

- Streamlines student identification by using a centralized process.

- Traditional Full-time Equivalent (FTE) identifier sharing will now be cleaner to resolve or identify.

- Identifier quality and accuracy can be managed within FDOE.

- Improves longitudinal and cross sector matching.

- Allows sources an opportunity to review data submitted.

- Removes the inconsistency of locally generated identifiers.

- Verifications ensure local sources are providing consistent data.
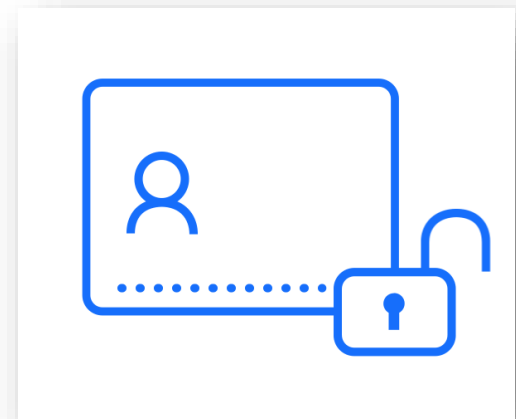
FLEID Assignment Milestones

- Piloting began in 2014, implemented FLEID process in 2015.

- District and college training and onboarding 2015 through 2016.

- Process refinements and automation initiated in mid-2016.

- FLEID required on all State Assessments in 2016.

- Administrative rule draft creation in early 2017.

- Data quality analysis and feedback throughout 2017 & 2018.

- Infrastructure upgrades and application enhancements in 2018.

- Implemented detailed pre-processing enhancements through 2018-2019.

- Extensive data verifications and data quality processes established internally in 2019 & 2020.

- Implemented the administrative rule, effective July 1, 2020.
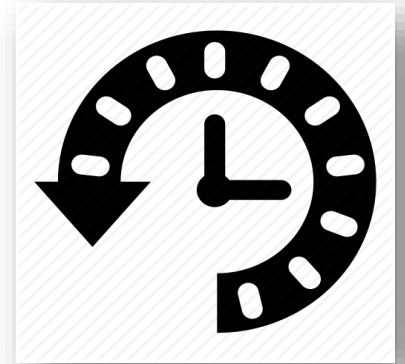
FLEID Technologies

TIBCO™

File Submissions

IBM Datastage

Pre-Processing Edits

Microsoft® SQL Server®

File Load/Secure Vault

sas

Master Data Management

FLEID Assignment

ASP.NET

FLEID Application

FLEID Process

School Enrollment Data

FLEID required on District data submissions to the FDOE.
Must submit for new enrollments

File Submissions

FLEID_IN Folder

VAULT

FLEID Matching & Assignment

Matched FLEID File

FLEID_OUT Folder

FLEID Application

Near Match Resolutions

Office of Early Learning	OEL
District Public Schools	K12
District Adult Education	WDIS
Florida College System	FCS
Ahfachkee Schools	AFH*
School Choice	CHOICE

FLEID Source Systems

www.FLDOE.org
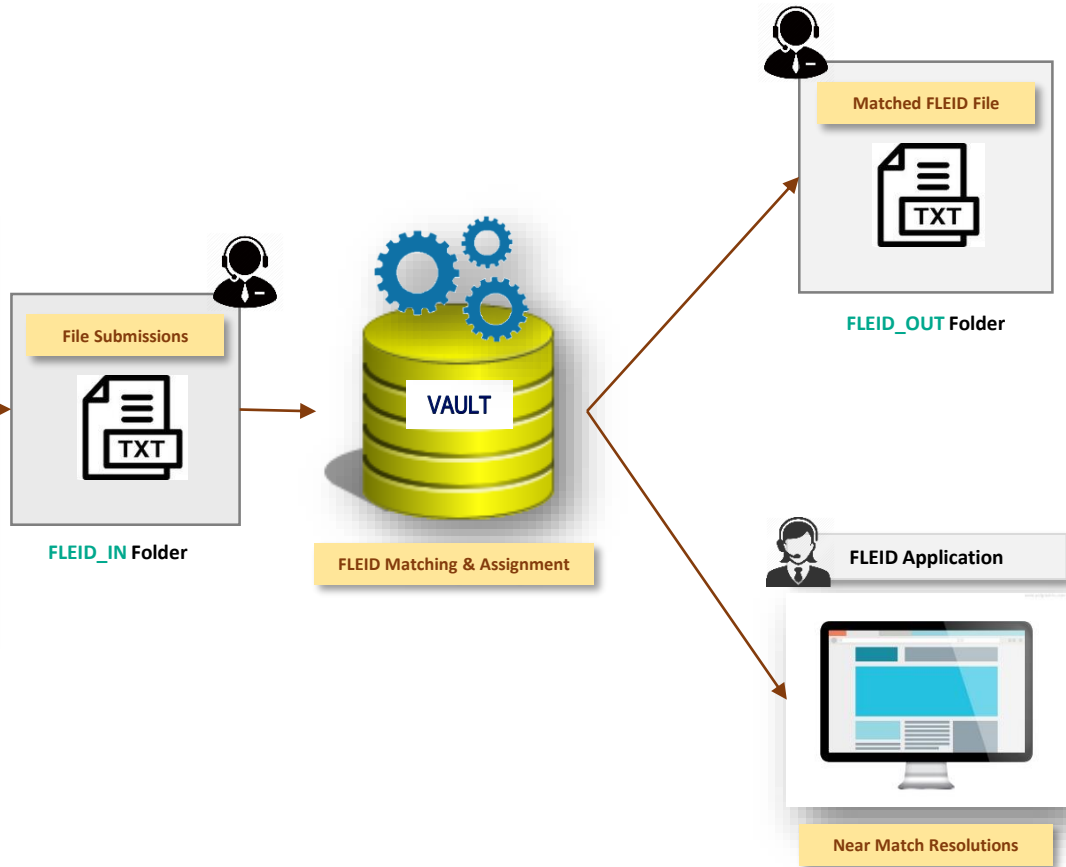
Security Considerations

FERPA Note:

Please be aware that the FLEID, Name, and DOB information cannot be shown in e-mails or disseminated. The inclusion of the elements listed above in combination is considered Personally Identifiable Information (PII).

Vault Integrity:

Please refrain from providing or transferring the FLEID **with existing identifiers** (e.g. Student ID, Alias ID, Local ID and/or SSN), Name, and DOB information in order to avoid crosswalk creation outside of the secure vault.

sftp://SSO43Dade@xfiles.fldoe.org - FileZilla

File Edit View Transfer Server Bookmarks Help New version available!

Host: sftp://xfiles.fldoe.org Username: SSO43Dade Password: •••••••••• Port: [Quickconnect]

Command:	ls
Status:	Listing directory /
Status:	Calculating timezone offset of server...
Command:	mtime "CET"
Response:	1436902561
Status:	Timezone offsets: Server: -14400 seconds. Local: -14400 seconds. Difference: 0 seconds.
Status:	Directory listing successful

Local site: C:\Users\andrea.latham\Desktop\TIBCO\

- TIBCO
  - VPN Batch File
- Documents
- Downloads

Remote site: /

- /

Filename	Filesize	Filetype	Last modified
..			
Auth Page		File folder	1/23/2015 6:26:00 ...
FTP file transfers.docx	361,957	Microsoft Wor...	10/8/2014 10:25:13...
TIBCO Instructions_FINAL....	290,534	Microsoft Wor...	10/24/2014 2:04:42...
tibco release letter.doc	101,376	Microsoft Wor...	2/5/2015 4:23:44 PM

Filename	Filesize	Filetype	Last modified	Permissions	Owner/Gro...
..					
CET		File folder	7/14/2015 3:36:...	d-wx------	0 0
ED_IN		File folder	7/14/2015 3:36:...	d-wx------	0 0
ED_OUT		File folder	7/14/2015 3:36:...	dr-x------	0 0
FLEID_IN		File folder	7/14/2015 3:36:...	d-wx------	0 0
FLEID_OUT		File folder	7/14/2015 3:36:...	dr-x------	0 0
PEER		File folder	7/14/2015 3:36:...	d-wx------	0 0
SSO_PROD		File folder	7/14/2015 3:36:...	d-wx------	0 0
SSO_TEST		File folder	7/14/2015 3:36:...	d-wx------	0 0

3 files and 1 directory. Total size: 753,867 bytes

8 directories

Server/Local file	Direction	Remote file	Size	Priority	Status

Queued files Failed transfers Successful transfers

Queue: empty

Pre-Processing Edits

Column	ErrorType	Description
School Year	Rejection	School Year is invalid | Out of range | Must be 1415 or later | Must be populated on submission
School Year	Rejection	School Year is invalid | Should not contain special characters. | Must be 4 in length
District Number	Rejection	District Number is invalid | Should not contain special characters. [Applies to 'K12' and 'WDIS']
School Number	Informational	School Number is invalid | '0000' or 'XXXX' - use spaces for unknown.
School Number	Rejection	School Number is invalid | Should contain not special or alpha characters. (Allowable N998 and N999).
OPEID Number	Rejection	OPEID Number is invalid | Should not contain special or alpha characters.
Person Number	Rejection	Person Number is invalid | Should not contain special characters.
Person Number	Rejection	Person Number is invalid | '000######X' or '###00####X' or #####0000X' - use spaces for unknown
Person Number	Rejection	Person Number is invalid | '000###### ' or '###00#### ' or '#####0000 ' - use spaces for unknown
Person Number	Rejection	Person Number is invalid | **K12/WDIS** Should not contain alpha characters in positions 1-9
Person Number	Rejection	Person Number is invalid | **FCS/PSEC** Should not contain alpha characters in positions 2-10
Alias Number	Rejection	Alias Number is invalid | Should not contain special characters.
Alias Number	Rejection	Alias Number is invalid | '000######X' or '###00####X' or #####0000X' - use spaces for unknown
Alias Number	Rejection	Alias Number is invalid | '000###### ' or '###00#### ' or '#####0000 ' - use spaces for unknown
Alias Number	Rejection	Alias Number is invalid | **K12/WDIS** Should not contain alpha characters in positions 1-9
Alias Number	Rejection	Alias Number is invalid | **FCS/PSEC** Should not contain alpha characters in positions 2-10
Local Number	Rejection	Local Number is invalid | Should not contain special characters.
Local Number	Rejection	Local Number is invalid | '000######X' or '###00####X' or #####0000X' - use spaces for unknown
Local Number	Rejection	Local Number is invalid | '000###### ' or '###00#### ' or '#####0000 ' - use spaces for unknown

FLORIDA DEPARTMENT OF EDUCATION
fldoe.org

Menu ▾

FDOE Single Sign-On

The Single Sign-On (SSO) Portal provides users within Florida's educational community with a convenient way to log into multiple state resources with one account.

FDOE Single Sign-On

SELECT AN OPTION BELOW TO GET STARTED

EDUCATORS

GUEST ACCESS

www.FLDOE.org

FLEID Training Site

FLEID System Training

- Introduction
- **General Information and Logging In**
- File Management
- Near Match Directory
- Look-Up
- Near Match Resolution

Training Sign-Off

INTRODUCTION

Welcome to the Florida Education Identification (FLEID) System Training! The FLEID System is being implemented in an effort to improve the security and use of personally identifiable information for staff and students within the state. It will improve current data collection and reporting systems by providing one place for the input, storage, and retrieval of student and staff information. The connection within the system across the state is a major benefit for both Local Education Agencies (LEA) and Post Secondary Institutions.

Training Objectives

The material has been broken down into manageable chunks of information to familiarize you with the system as you access and start working in it. As a result of the training, you will be:

- familiar with the user interface of the FLEID System.
- prepared to perform daily operations and tasks within the FLEID System.

Specific interactions with the FLEID interface have been identified as objectives for this training. Upon completion, you will be able to:

✔ Log into the FLEID System using either a Federated User Account or an SSO Hosted User Account

✔ Validate an Input File in the system

✔ View a list of Output Files

✔ Access the Near Match Directory

✔ Search for an existing FLEID record and validate an FLEID number using the Look-up feature

✔ Assign and un-assign Near Match records

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Pre-Processing Layers

File Submissions

- Submission accepted Monday – Sunday.
- Daily Maintenance Window 5:30 p.m. – 10 p.m.

File Pre-Processing Validations

- File checks are completed to ensure the data aligns with the required values.
- Files are rejected and codes added to the file to assist users with pinpointing errors found.

File Matching & Assignment

- **Exact Matches | Near Matches | New Matches**

File Results

- Files are matched and the results are outputted with the FLEID's found.

FLEID Application

- Users can view processing statistics and complete outstanding near matches.

Exact Matches

- ## Exact Matches

  Submission record perfectly aligns with existing vault record:

	Person ID	SSN	Alias ID	Local ID	First Name	Middle Name	Last Name	Suffix	Birth Month	Birth Day	Birth Year	Assigned ID
V	123456789X	123456789		2121217	John	D	Smith	Jr.	1	1	2001	FL000000001111
S	123456789X	123456789			John	D	Smith	Jr.	1	1	2001	FL000000001111

V – Vault Record　　　　**S** – Submission Record

- High Confidence Matching Rules:

  ➢ Full Name, Date of Birth and One Identifier: SSN, Local ID, Alias ID or Person Number.
  ➢ First Name, Date of Birth, Gender and SSN.

Near Matches

▪ Near Matches

Submission record closely aligns with existing vault records (except identifiers):

	Person ID	SSN	Alias ID	Local ID	First Name	Middle Name	Last Name	Suffix	Birth Month	Birth Day	Birth Year	Assigned ID
V	5099887766	134598765			Jane	F	Doe		6	27	2012	FL000000002222
S	4013459876				Jane	Farah	Doe		6	27	2012	

V – Vault Record   **S** – Submission Record

▪ Near Match Rules:

➢ Full Name, Date of Birth, and Gender
➢ First & Last Name, Date of Birth, and Gender

Near Matches

Near Match Resolution Elements

These columns are available to provide additional information during near match resolutions

- **District/institution identifiers:**
  District, School Number, Institution Number

- **Student/Staff Demographics:**
  Race, Ethnicity, Gender

- **Place of birth**
- **First time entered Florida institution**
- **First time in US school**
- **Prior name/maiden name**

New Matches

■ **New Matches**

Submission record did not have matches in the vault based on the matching rules.

NEW

	Person ID	SSN	Alias ID	Local ID	First Name	Middle Name	Last Name	Suffix	Birth Month	Birth Day	Birth Year	Assigned ID
V												**NO MATCHES FOUND**
S	2040608101				Shawna	Walsh	Stewart		5	25	2005	FL000000004444

V – Vault Record	**S** – Submission Record

■ Exact Match → **Not found** | Near Match → **Not found**
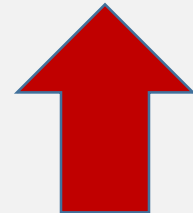
New FLEID generated

Near Matches

Local Education Agency (LEA) feedback required in near match scenarios.
- Does submission record align with vault record? Yes, assign the existing FLEID or
- Does submission record appear to be a different person? Yes, assign new FLEID.

Additional elements available to help make determination.

Near Matches Resolutions

FLEID Vault Quality

✓ **FLEID Retirements**

Manual Process

- Occurs when FLEID's are created in error or records have been found with substantial issues and must be subsequently removed from the vault.

- **Impact**: Retirements are permanent in the system.

- **Request**: Retirement can only be completed by the FDOE FLEID Resolution Agent. It must be requested/provided via e-mail.

- **Note**: Local agents can only request that an FLEID be retired in the event that they are the only source tied to the record. It is the responsibility of the district to ensure that the survey impact is taken into consideration prior to making the request.

FLEID Vault Quality

✓ FLEID Merges

Manual Process

- Occurs when two or more records that have been assigned multiple FLEIDs and after review by the LEA deemed the same person. The FLEID's represented can be merged into a single FLEID.

- **Impact**: Merging of two FLELD(s) are permanent and can't be reversed.

- **Request**: Merges can only be completed by the FDOE FLEID Resolution Agent. It must be requested/provided via e-mail.

- **Note:** Local agents can only request that FLEID(s) be merged in the event that they have a submitted a source record in one of the FLEID(s) provided. It is the responsibility of the district to ensure that the survey impact is taken into consideration prior to making the request.

FLEID Vault Quality

✓ **FLEID Splits**

Manual Process

- Occurs when two or more records that have been assigned one FLEID and after review by the LEA deemed different people. The individuals tied to that ID can be split into separate FLEIDs.

- **Impact**: No special considerations.

- **Request**: Splits can only be completed by the FDOE FLEID Resolution Agent. It must be requested/provided via e-mail.

- **Note:** Local agents can only request that an FLEID be split in the event that they have a source record reflected in the specified FLEID. This typically occurs during assessments.

FLEID Vault Quality

✓ FLEID Corrections

Manual Process

- Occurs when a district submits a record and determines there is an error in the First Name, Last Name, Middle Name/Initial, Date of Birth or identifiers and would like it updated in the vault.

- **Impact**: Completing corrections in some cases may create a merge scenario and the FLEID will potentially need to be merged.

- **Request**: Corrections can only be completed by the FDOE FLEID Resolution Agent. It must be requested via e-mail and can be provided either in the e-mail or in a file transferred through TIBCO with file extension .corr.

- **Note:** Local agents can request to make a correction in the event that they have a source record in the specified FLEID. It is the responsibility of the district to ensure that the survey impact is taken into consideration prior to making the request.

FLEID Vault Quality

✓ FLEID Full or Partial Name Changes

Manual Process

- Occurs when students or staff have full or partial legal name changes. Examples include: adoption or marriage.

- **Impact**: Completing name changes in some cases may create a merge scenario and the FLEID will potentially need to be merged.

- **Request**: Name changes can only be completed by the FDOE FLEID Resolution Agent. It must be requested via file transferred through TIBCO with file extension .fnc.

- **Note:** Local agents can request that the legal name change in the event that they have a source record submitted in the FLEID. It is the responsibility of the district to ensure that the survey impact is taken into consideration prior to making the request.
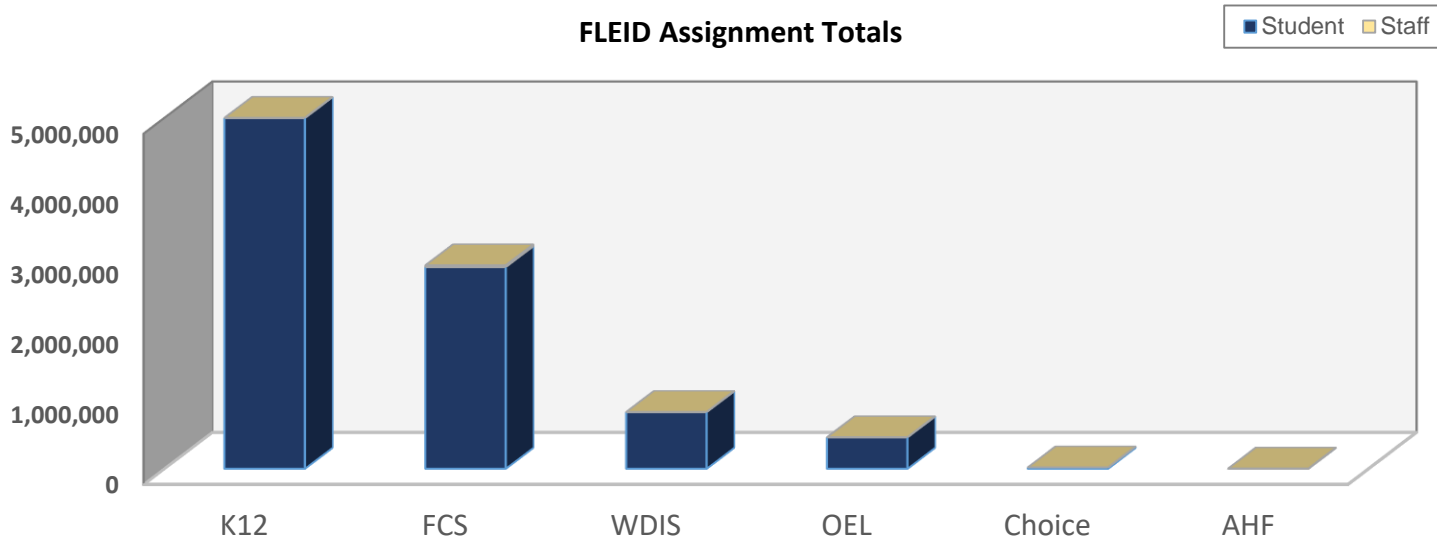
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What's Next?

- Source Submission Verifications

- Internal Verifications

- Process Refinements

- Potential Application Enhancements

- Establishing Clear Business Rules
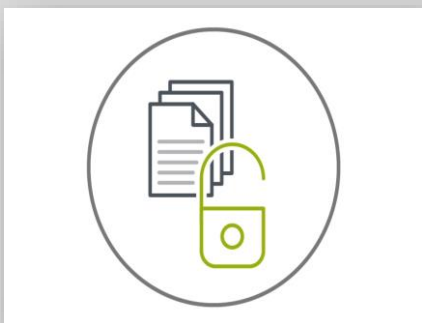
FLEID Statistics

FLEID Assignment Totals

Number of FLEID's Assigned	Source	Total FLEID's	Student %	Staff %
District Public Schools	K12	5,330,488	95.5%	4.5%
Florida College System	FCS	2,901,843	99.0%	1.0%
Workforce Development Info System	WDIS	709,618	100.0%	0.00%
Office of Early Learning	OEL	290,436	100.0%	
School Choice Office	CHOICE	15,629	100.0%	
Ahfachkee Schools	AHF	140	100.0%	
Total Unique Count of FLEID's Statewide	STATE	9,248,154		

CONTACTS

DIVISION OF TECHNOLOGY AND INNOVATION

FLEIDTeam@fldoe.org