

Financial Aid Data Submissions:

Validation and Warehousing

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Presentation Roadmap - Processing Financial Aid Files: Then

- ☐ Processing Financial Aid Files: *Then*
- ☐ Processing Financial Aid Files: *Now*
 - ☐ Business Rules (Edit Checks)
 - ☐ UDS Resubmissions
- ☐ Financial Aid Submission Deadline
- ☐ Using Financial Aid Data

Processing Financial Aid Files: *Then*

2006-2007
Noel-Levitz

2010-2011
OSRHE

...and an Excel
crosswalk file

File Submissions

Flat and
crosswalk files



Wait

Manually
inspect data

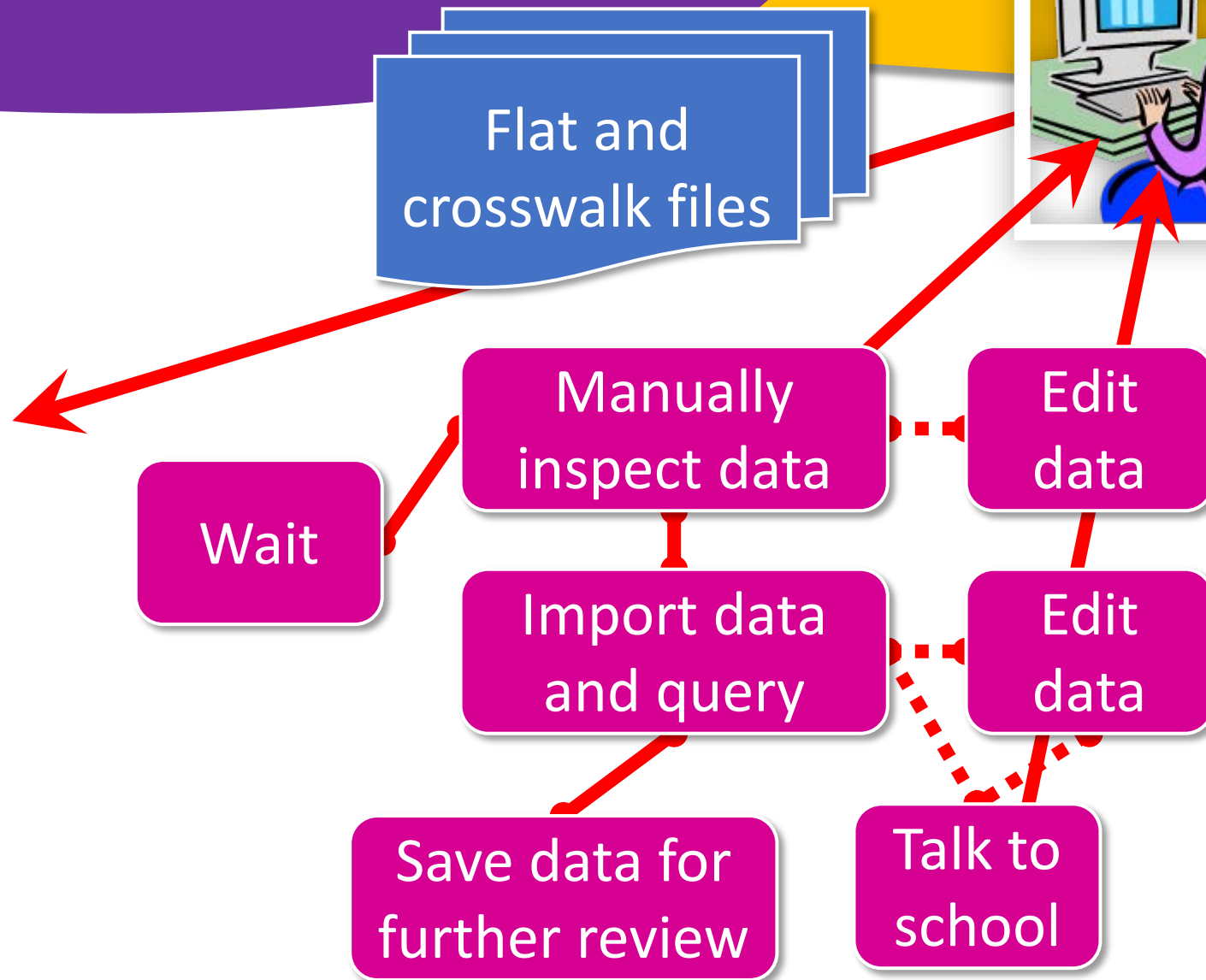
Edit
data

Import data
and query

Edit
data

Save data for
further review

Talk to
school



The Further Review

Super-Dee-Duper!

Barney, please tell me which schools have submitted. I also need to start Q&A on anyone who's ready.



- Low award amounts
- Award vs Award Fund
- Other requests



Summary of the Old Way's Shortcomings

- Intensive manual labor
- Data manipulation
- Basic edit checks
- Inconsistent process from year-to-year
- Multiple processing delays
 - Financial Aid reporting was only one of Barney's many projects
 - (and certainly not in the high priority list)

Presentation Roadmap - Processing Financial Aid Files: Now

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Processing Financial Aid Files: *Now*

What is the **Unitized Data System (UDS)**?

UDS serves as the **central repository for higher education institutional data in Oklahoma**. Its primary focus is to collect:

- **Student-level data**
 - Semesterly demographics
 - Enrollment
 - Prior learning credit awards
 - Earned degrees
 - Financial aid awards
- Professional staff
 - Annual demographics
 - Administrative and teaching roles
- Facilities inventory
 - Biennial inventory of buildings and rooms
 - Uses and purposes

This data is aggregated to support data-driven activities such as state-level decision-making and policy development.

Processing Financial Aid Files: From *Then* to *Now*

Although it is optional, if you leave it blank, that means that **the student did not fill out a FAFSA.**

Flat file with
95 elements

and a
crosswalk file

File Submissions + Data Verification

Flat and crosswalk files



Reject List

Gated List

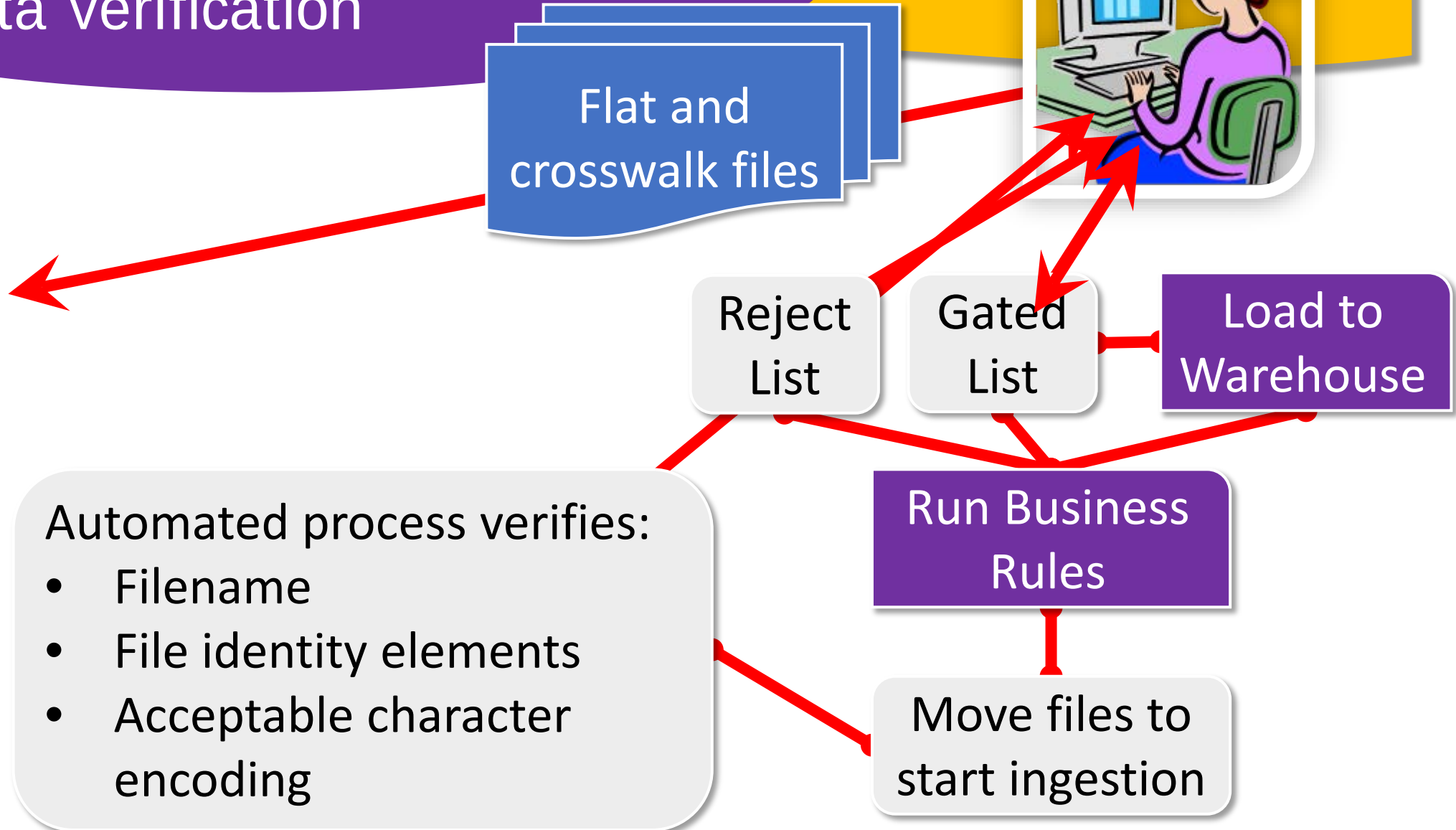
Load to Warehouse

Automated process verifies:

- Filename
- File identity elements
- Acceptable character encoding

Run Business Rules

Move files to start ingestion



Summary of the New Way's Awesomeness

- Multiple automated processes
- Processing begins shortly after receipt
 - Dedicated staff
- Comprehensive edit checks
- Consistent process from year-to-year
- Data warehoused and available for use immediately

Presentation Roadmap – Business Rules (Edit Checks)

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Record F UDS File Element and Type Overview

Element		Length/ Type	Column Position
26	Award Code 10	10 Char	183
27	Award Amount 10	6 Num	193
28	Award Code 11	10 Char	199
29	Award Amount 11	6 Num	209
30	Award Code 12	10 Char	215
31	Award Amount 12	6 Num	225

26) Award Code 10

Attributes	
Length:	10
Type:	Char
Col Pos:	183-192

Tenth reported Institution
Aid Crosswalk file. Only in

27) Award Amount 10

Attributes	
Length:	6
Type:	Num
Col Pos:	193-198

Notable Changes Made to the Pre

Please carefully read each section of
reporting of your data. These are new changes since the last manual.

Record F: Financial Aid

- New elements:
 - None
- Newly required elements:
 - None

Record FXW: Financial Aid Crosswalk

- New elements:
 - None
- Newly required elements:
 - None

Instructions

Record File Descriptions

g convention (examples below):

record_type.semester.academic_year.data

➤ December 4, 2026

Crosswalk Reject Rules

Don't forget to follow the file naming convention!

1	Institution Code
2	Scholastic Academic Year

Must match file name

4) Standardized Award Code

Reference: Appendix – Standardized Award Codes

Must be a code in the appendix

5	Award Characteristics
---	-----------------------

Must be composed of codes from the lists

4	Standardized Award Code*	25 Char	--						
5	Award Characteristics	4 Char	--	✓	✓	✓	✓	✓	✓
6	Institution Award Description*	200 Char	--						

Combination Notes:

- *For Award Fund = 'U', then Award Source must be 'I'
- *For Award Fund = 'U', then Award Type must be 'G'

Source	Basis	Fund	Type
C	M	R	G
F	N	F	F
D	T	U	L
I	O		
S			
T			
O			

Exactly four characters

CAPITALIZED!

Flat File Reject Rules

Don't forget to
follow the file
naming convention!

1	Institution Code
2	Record Code
3	Semester
4	Scholastic Academic Year

Must match
file name

5	Assigned SSN Flag
6	Social Security Number
7	Institutional Student Identifier

Must exist in
warehouse

8	Award Code 1
9	Award Amount 1

Only include students/awards
with non-zero award amounts

Award Code must exist
in the crosswalk file

48	Housing Status
----	----------------

Must be a code
on the list

Incoming guidance...
If your institution does not
collect this data, enter: Z

Flat File Gating Rules

Business Rules (BR) *(excerpts)*

Some rejections are straightforward, such as letters in a numeric field or the submitted value is not among a list of acceptable responses. Some rejections are based on multiple elements expressing conflicting statuses: one element may indicate that a student is attending postsecondary education for the first time while another indicates that the student was previously enrolled.

Most elements that fail one or more business rule checks are rejected, and the elements are added to a spreadsheet for institutional review. **However, a few failed business rule checks are instead gated**, which means that State Regents staff review the issue first and may contact the school for clarification. **Gated items can then be accepted or rejected.**

Gated Elements

Award Amounts 1-20: < \$50

Presentation Roadmap – UDS Submissions

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SSN/Student ID Does Not Exist in the Warehouse

Matching

Assigned SSN Flag = 0

Real SSN
Federal SSN

Fin Aid File
Institution Code
Semester
Schol Acad Year
Assigned SSN Flag
SSN
Student ID

Warehouse
Institution Code
Semester
Acad Year
Assigned SSN Flag
SSN
Student ID

Assigned SSN Flag = 9

Assigned SSN

Fin Aid File
Institution Code
Semester
Schol Acad Year
Assigned SSN Flag
SSN
Student ID

Warehouse
Institution Code
Semester
Acad Year
Assigned SSN Flag
SSN
Student ID

SSN Does Not Exist in the Warehouse – Issues and Resolutions

Resolving

Issue

Resolution

The financial aid file has a real SSN, but the warehouse has either an assigned SSN **or** the wrong SSN

Resubmit UDS files with the real SSN to update the warehouse (all semesters)

Possible new issue caused by resubmitting UDS files with new SSNs: Another student in the warehouse has the same real SSN

Verify the SSN with a highly legitimate source (e.g., SSN card, ISIR/FTI match)

Multi-PIDs

- ✓ *If Verified:* Respond that the SSN has been verified and which methodology was used
- ✗ *If **Not** Verified:* Resubmit both the financial aid and UDS files with the same assigned SSN

SSN Does Not Exist in the Warehouse – Entity Resolution

Multi-PIDs

Entity Resolution (ER) (excerpts)

... employs a process that utilizes ... characteristics
and social security numbers ...
across both time and ...
and Student IDs are ...
warehouse assigns a ...
reference the same person

[snip]

Where the data warehouse cannot ... information is when two different people have the same SSN or the same student ID at the given school. These are referred to as “Multi-PID” errors because either or both primary identifiers are pointing to more than one Person ID. These errors cannot be accepted as-is and must be resolved by either changing the incoming data or modifying warehouse-based records.

Person ID	Type	Value
8B239AQK042	SSN	000129876
	SSN	123009876
	SSN	192A84379
	Student ID	00986532
	Student ID	5

Person ID	Type	Value
8B239AQK042	Student ID	120000
	Student ID	13579
Z4568711	SSN	120000
	Student ID	13579

... change over time
... State Regents' data
... fy where records

Student ID Does Not Exist in the Warehouse – Issue and Resolution

Resolving

Issue

The financial aid file has a different Student ID than the warehouse

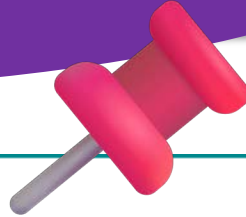
Resolution

- ☐ If the warehouse is correct, resubmit the financial aid file with the correct Student ID
- ☐ If financial aid is correct, resubmit UDS files with the correct Student ID (all semesters)

Presentation Roadmap – Financial Aid Submission Deadline

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Financial Aid Submission Deadline



Final Due Dates

Submit files as early as possible as these submission due dates are final and no extensions will be needed for revisions and edits.

Student, Enrollment, Prior Learning and Degree Data

- | | |
|--------|----------------------|
| Summer | ➤ September 30, 2026 |
| Fall | ➤ February 26, 2027 |
| Spring | ➤ June 30, 2027 |

Final Degree Submission for the 2026-2027 year

- July 30, 2027

Full Year Financial Aid Data for the 2025-2026 year

Student awards for Fall 2025, Spring 2026, and Summer 2026

The crosswalk spreadsheet for all three semesters

- December 4, 2026

Financial Aid data has
been loaded to the
warehouse

- Passed business rules
- All gated records have been approved
- No entity resolution issues remain

Feedback Request

What is a good annual due date for financial aid?

Currently first Friday in December

Send your thoughts and preferences to Renae Brill:
rbrill@osrhe.edu

October?

November?



Presentation Roadmap – Using Financial Aid Data

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UDS Student Record

Scholarships

Code

Heartland Scholarship	J
OHLAP	K
Athletic Scholarship	R
Academic Scholar Scholarship	S
Indian Education - Colleges and Universities	T
All Other Scholarships	U

Grants

Code

Pell Grant	A
Supplemental Educational Opportunity Grant	B
Vocational Rehabilitation Grant	C
Oklahoma Tuition Aid Grant	D
Private Sources	E
Institutional Grant	F
Tuition and Fee Waiver	G
Other State and Local Grants	H
National Guard Fee Waiver	I
Bureau of Indian Affairs Grant	1
OTEG	2
Academic Competitiveness Grant (ACG)	3
National Science and Math Access to Retain Talent Grant (SMART)	4
Teach Grant	5
Athletic Tuition Grants or Athletic Fee Waivers	6

Required

Free or

Not Earned

General

Examples

It is recommended

reflect the largest contributing sources of

other code occurrences should be

Loans

Code

Federal Perkins Student Loan	L
Federal Stafford Student Loan	M
State Insured Loan	N
Institutional Loan	O
Private Sources	P
All Other Loans	Q

Student Employment

Code

Institutional Employment	W
Federal Program: College Work/Study	V
All Other Work/Study Programs	X

Using Financial Aid Data: *Current Uses*

Current Uses

- ☆ Supplement the UDS Student Record
 - ☆ Pell
- ☆ Gear Up
- ☆ Annual Financial Aid Report - *ish*

<https://okhighered.org/studies-reports/financial-aid/>

Annual Financial Aid Report

English

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Financial Aid

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The annual financial aid report provides information about grants, scholarships, loans, and student employment at Oklahoma public colleges and universities.

[Financial Aid Report: Overview of Student Financial Aid at State System Institutions for 2018-19](#)
(April 2021) (PDF, 323k)

[Archived FA Reports](#)

Using Financial Aid Data: *Planned Uses*

Planned Uses

- ☆ **Replace** the UDS Student Record as the definitive source
 - ☆ Pell
 - ☆ IPEDS
 - ☆ Performance funding metrics
- ☆ Validate OSRHE-administered scholarships
- ☆ *Expected*: Credentials of Worth
- ☆ *Expected*: Return on Investment

So Long, Farewell,
Auf Wiedersehen, Goodbye

