

The Wave Trainings

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Overview

- How data gets to the Wave
- Sending SIF_Events
- Validations
- October 1 Consolidated Report (Oct 1)
- First Quarter Statistical Report (FQSR)
- Comprehensive Exit Report





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OKLAHOMA STATE DEPARTMENT OF
EDUCATION
— CHAMPION EXCELLENCE —

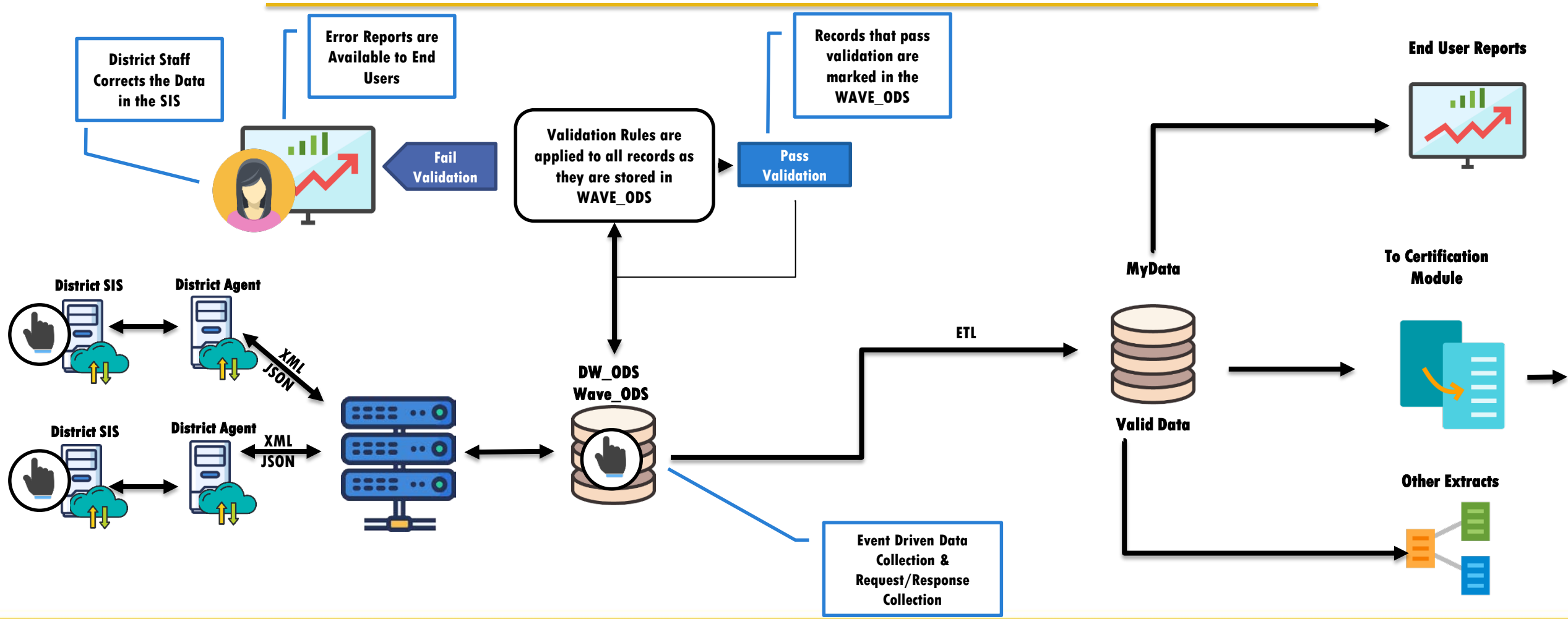


How does data get to the Wave

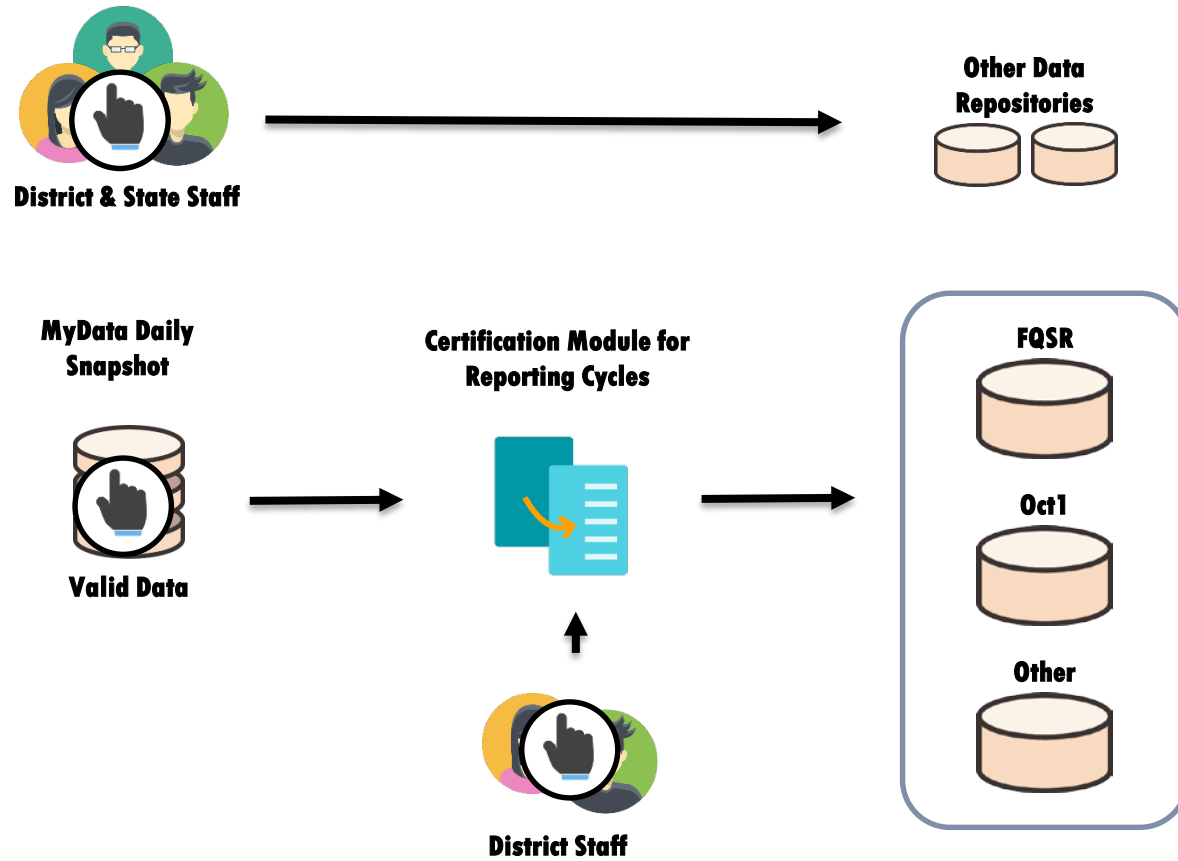
- Data is sent to the Wave using 2.0r1 SIF standard
 - SIF was established in the 2005-2006 school year (70 O.S. § 3-160)
 - Used by all parties with a stake in education



Data Flow Overview

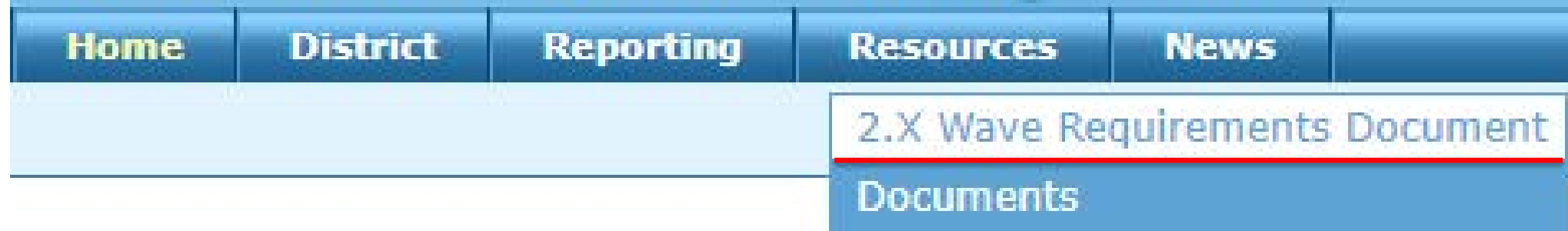


Data Flow Overview



Want to know more about SIF codes?

- Read through the latest 2.x Wave Requirements Document



Sending SIF_Events

- The Wave currently collects 24 objects
 - Changes to must be sent to the Wave daily to be SIF compliant
- Changes include:
 - Adds
 - Changes
 - Deletes



SIF_Events Based Objects

- 24 objects collected by the Wave include:

- AttendanceCodeInfo (SIF_Event)
- CalendarDate (SIF_Event)
- CalendarSummary (SIF_Event)
- DisciplineIncident (SIF_Event)
- LEAInfo (SIF_Event)
- RoomInfo (SIF_Event)
- RoomType (SIF_Event)
- SchoolCourseInfo (SIF_Event)
- SchoolInfo (SIF_Event)
- SectionInfo (SIF_Event)
- StaffAssignment (SIF_Event)
- StaffPersonal (SIF_Event)
- StudentAttendanceSummary (NOT SIF_Event)
- StudentContact (SIF_Event)
- StudentDailyAttendance (SIF_Event)
- StudentPersonal (SIF_Event)
- StudentSchoolEnrollment (SIF_Event)
- StudentSectionEnrollment (SIF_Event)
- TermInfo (SIF_Event)
- MarkInfo (SIF_Event)
- MarkValueInfo (SIF_Event)
- SectionMarkInfo (SIF_Event)
- StudentSectionMarks (SIF_Event)
- GradingCategory (SIF_Event)



Sending SIF_Event Changes

- OSDE is working with vendors to resolve the issues around SIF_Event based reporting.
- What are the benefits of this work?
 - Limits the amount of data reported each day to only records that are added, changed, or deleted.
 - Reduces the burden on the infrastructure to provide more consistent reporting.
 - Creates near-real-time reporting within the ODS and faster reporting back to districts.
 - Keeps state and districts in sync all the time.



Sending SIF_Events

- RefID vs Whole Object Changes
 - RefID = Reference ID for record
 - Whole Object = (*StudentPersonal, LEAInfo, CalendarSummary, etc.*)
- Sending via RefID means sending only elements that were updated
- Sending via whole object means all elements are being sent



Current Wave Validations

- AttendanceCodeInfo
- CalendarDate
- CalendarSummary
- DisciplineIncident
- LEAInfo
- RoomInfo
- RoomType
- SchoolCourseInfo
- SchoolInfo
- SectionInfo
- StaffAssignment
- StaffPersonal
- StudentAttendanceSummary
- StudentContact
- StudentDailyAttendance
- StudentPersonal
- StudentSchoolEnrollment
- StudentSectionEnrollment
- TermInfo
- MarkInfo
- MarkValueInfo
- SectionMarkInfo
- StudentSectionMarks
- GradingCategory

Total Number of Records Updated and Entered to the Wave ODS on a Weekly bases both via Real Time Events and the Request Response Process.

46,000,000 +



Number of Validations by Record

- Between 20 objects there are 433 validations
 - Student Personal = 141
 - Student School Enrollment = 44
- Example:

971,492 Student Personal Records x 141 Validations =

136,980,372

Validation Checks for Student Personal



Current Validation Work

- Auto-request orphaned record objects for specific RefID's
 - Request data for RefID's that do not exist in dependent objects
- Redesigning Validation Rules
 - Allows for timely change of validations when changes are required
 - Allows for business owners to work with OSDE personnel to ensure correct rules are in place.



Validation Wizard BI Tool

Validation Errors

210233

Validation Errors

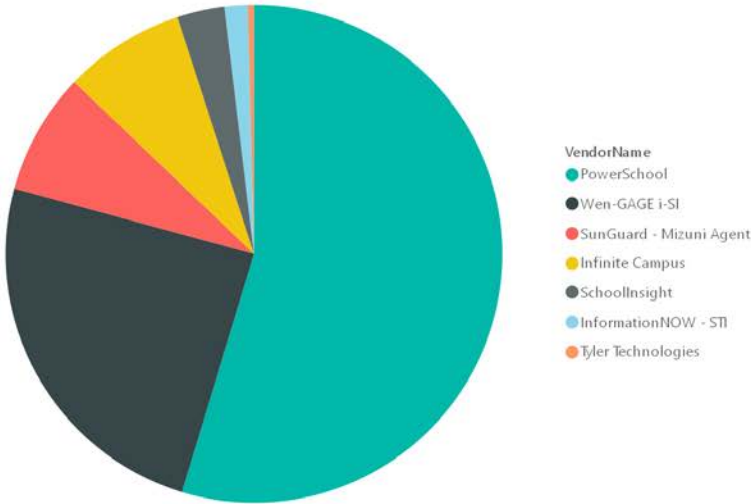
701K

Sum of EnrollmentCount

0.3000812

Validation Errors Per Student

Validation Errors by Vendor



Vendor Drill Down

PowerSchool

Infinite Campus

chalkable InformationNOW

mizuni
Delivering Information to Inspire Education

Wen-GAGE
i-Student Information System

SchoolInsight
Student Management System

tyler
technologies

OKLAHOMA STATE DEPARTMENT OF EDUCATION
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Current Validation Errors

- 162 Validation Rules Broken
 - Total 210567 Errors (507 Districts)
 - StateCourseCode is invalid. (318 Districts, 3145 Errors)
 - The EconomicDisadvantage and FreeReduced indicators do not align. (312 Districts, 19161 Errors)
 - The EconomicDisadvantage indicator and Direct Certification report do not align. (294 Districts, 10779 Errors)
 - Address record was not provided. (285 Districts, 5572 Errors)
 - LunchEligibilityDetermination is invalid. (245 Districts, 5641 Errors)
 - SIF_ExtendedElement FreeReduced is invalid. (212 Districts, 7718 Errors)



Overview

- How data gets to the Wave ✓
- Sending SIF_Events ✓
- Validations ✓
- October 1 Consolidated Report (Oct 1)
- First Quarter Statistical Report (FQSR)
- Comprehensive Exit Report



October 1 Report

- Report is currently open
 - Certification window opens on Oct 1
- Student-level report containing all of the student in membership on October 1st
 - Used to populate other reports (*Accreditation Report, Gifted Talented Report, LEP Immigrant Survey*)



October 1, What's New

- Special Education Oct 1 child count information added
 - Primary Disability
 - Secondary Disability
 - Suspected Disability
 - Aut Con Com
 - ED Con Com
 - ID Con Com
 - Hearing Con Com
 - OHI Con Com
 - OI Con Com
 - SLD Con Com
 - Speech Con Com
 - TBI Con Com
 - Visual Con Com
 - Related Service
 - Active IEP
 - Multiple Disabilities Extended School Year
 - Educational Environment



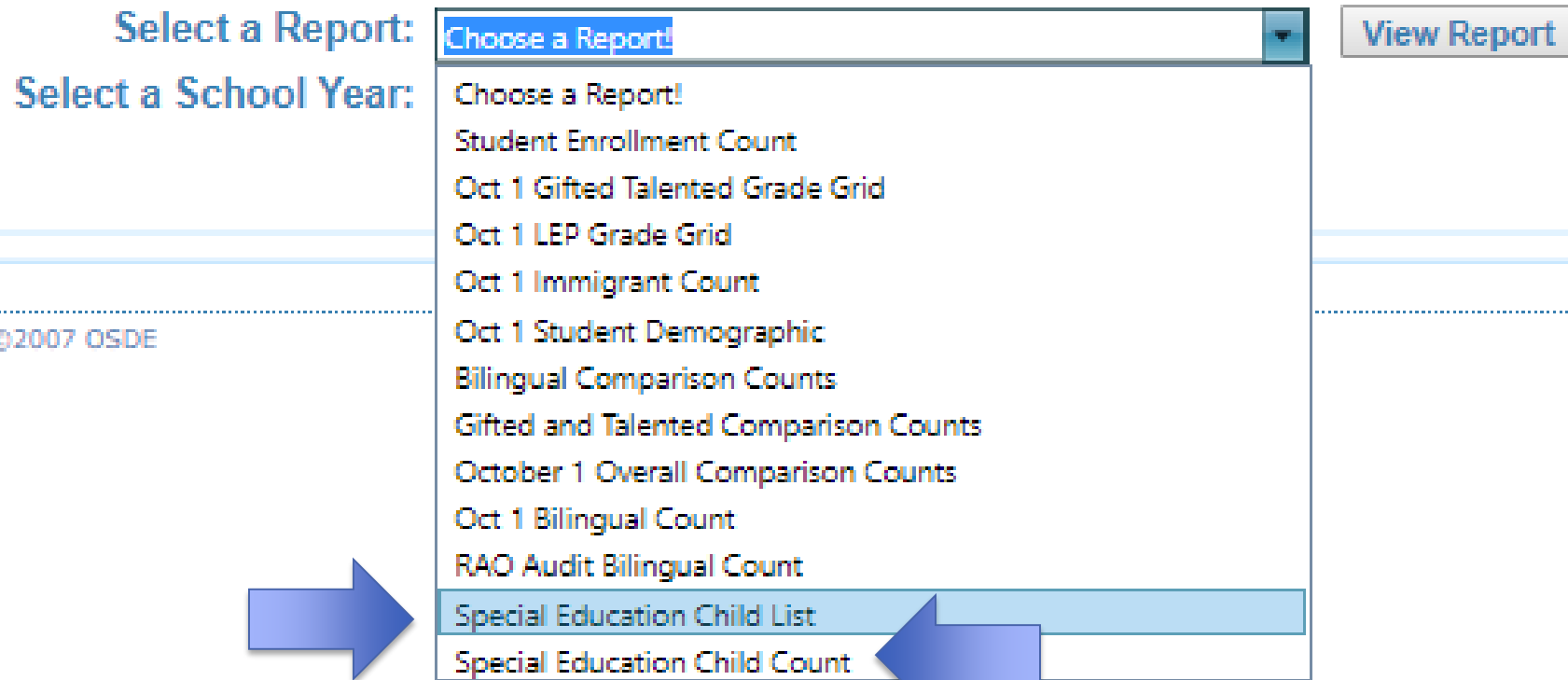
October 1, What's New

- Two new reports under “reporting tools”

Select a Report:

Select a School Year:

- Choose a Report!
- Student Enrollment Count
- Oct 1 Gifted Talented Grade Grid
- Oct 1 LEP Grade Grid
- Oct 1 Immigrant Count
- Oct 1 Student Demographic
- Bilingual Comparison Counts
- Gifted and Talented Comparison Counts
- October 1 Overall Comparison Counts
- Oct 1 Bilingual Count
- RAO Audit Bilingual Count
- Special Education Child List**
- Special Education Child Count



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October 1, What's New

- New columns added to Find Missing Student

InvalidMissingSTN	MissingEnrollmentStatus	ShortenedWeekLengthError	PrimaryDisabilityMissing	DDWithNoSuspected	DDAndGreaterThan9	DDAsSuspected	MDAsSecondary	ECEnvironmentMissing
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October 1 Validations

- Objects validated that are associated with October 1 report:
 - SchoolInfo
 - StudentPersonal
 - StudentSchoolEnrollment



October 1, Things to Watch For: Dos

- Review the XSD Wizard
 - SIF messages that fail the initial SIF XSD Validation process
 - Errors due to data entry errors or issues with a SIS vendor agent configuration/mapping
 - Need help, call us



October 1, Things to Watch For: Dos

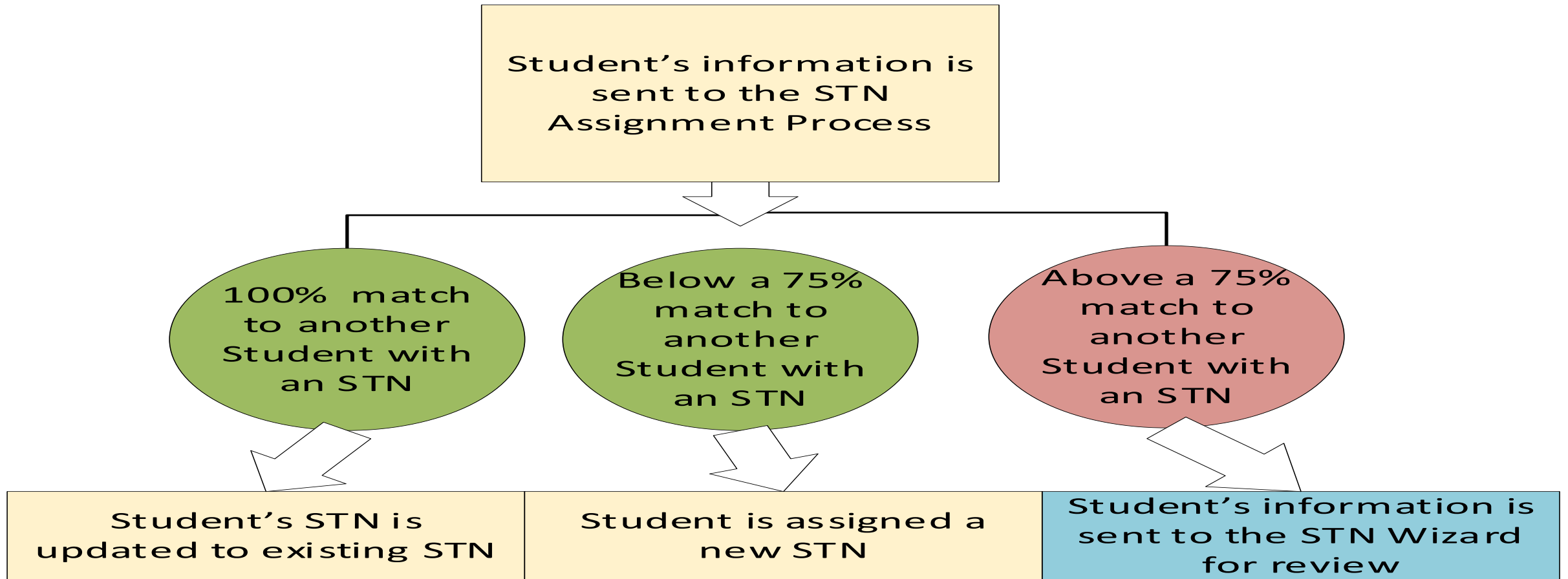
- Make sure all students have an student testing number (STN)
 - The student Contact object **MUST** be sent
 - Review the Data Validation Wizard and STN Wizard regularly



Error/Issues	
STN Wizard	4,344
Ownership Wizard	633
Data Validation Wizard	195,488



October 1, Things to Watch For: Dos



October 1, Things to Watch For: Dos

- Review student appearing under Find Missing Student
 - Correct Non-SPED errors in local SIS
 - Correct SPED errors (SPED calls these Red Flags) in EdPlan



October 1, Things to Watch For: Dos

SPED Errors	Non-SPED Errors	
InvalidMissingSTN	SchoolID	Free/Reduced
MissingEnrollmentStatus	STN	Economic Disadvantaged
ShortenedWeekLengthError	LocalID	Immigrant
PrimaryDisabilityMissing	Last Name	Section 504
DDWithNoSuspected	First Name	Basis of Admission
DDAndGreaterThan9	Middle Name	EnglishProficiencyCode
DDAsSuspected	Suffix	EnglishProficiencyOtherCode
MDAsSecondary	Birth Date	Bilingual
ECEnvironmentMissing	Gender	LunchEligibilityDetermination
EdPlan Issue	Grade	ELL 1st Yr. Proficient
	Hispanic	ELL 2nd Yr. Proficient
	American Indian	Migrant
	Asian	Entry Date
	Black	FTPT Status
	Pacific Islander	MembershipType
	White	HomeLanguage
	ELL	Data Validation Wizard Issue
	IEP	District Ownership Wizard Issue
	Gifted/Talented	STN Wizard Issue
	Gifted/Talented Identified	



October 1, Things to Watch For: Don'ts

- Don't forget students with these basis of admission codes will show up in Find Missing Students
 - ACEPT, BDR, BORDER, CHSP, COOP, COOPVOFF, COOPVON, IEPSA, IEPSAVOFF, IEPSAVON, LTSS, NR, NRISP, OTH, PK3, Pre-ISP, RBD, RBDTD, RISP, STSS, TO




First Quarter Statistical Report (FQSR)

- Currently open
 - Window closes November 30
 - Currently, districts should be reviewing and certifying Calendar data
- Alternative education program students will be viewable under their school of membership
- How to make sure alternative education/ non-accredited students show in the correct school?
 - When StudentSchoolEnrollment is sent review the following:
 - SchoolInfoRefID = Non-Accredited School Site
 - SIF_ExtendedElementName “SchoolOfMembership” = Accredited School Site



FQSR, What's New

- TIER 2



School	Calendar Type	Entry Date	Exit Date
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
55T123456	Alt Ed	8/29/2018	

- The Calendar Type will indicate the student uses a different calendar from other students if applicable



FQSR, What's New

- Name change

Report Link	Report Status	District Status	Report Opens	Due Date	Contingent Report(s)	Report Note	Program Area / Phone#
Student Level FQSR	Open	Open	8/3/18 7:00	11/30/18 23:59	None	No Change / Read Report	State Aid(405) 521-3460



FQSR, Things to Watch For: Dos

- Ensure the following objects are being sent to the Wave:
 - Attendance Code Info : SIF_Event based
 - Calendar Date : SIF_Event based
 - Calendar Summary : SIF_Event based
 - Student Personal : SIF_Event based
 - Student School Enrollment : SIF_Event based
 - Student Attendance Summary : NOT SIF_Event based
 - Student Daily Attendance : SIF_Event based



FQSR, Things to Watch For: Dos

- Ensure all students with valid enrollment are on report
 - Check Find Missing Students
- Resolve students with ownership issues
 - ALL ownership issues should be cleared
 - If there are issues with another district, contact your Regional Accreditation Officer (RAO)
 - If a student has a ownership issue NEITHER district will receive funding



FQSR, Things to Watch For: Dos

- Review students enrolled in alternative education or non-accredited schools to make sure they are viewable under their accredited site
- Ensure that all report elements are correct
- Do try and certify calendars BEFORE October 1st



FQSR, Things to Watch For: Don'ts

- Don't ignore Data Validation Wizard

Please select a report type from the list below:

- View By Student** (642 errors)
- View By Error: Student Demographics** (536 errors)*
- View By Error: Student School Enrollment** (100 errors)
- View By Error: Student Section Enrollment** (0 errors)
- View By Error: Student Contact** (6 errors)
- View By Error: Student Attendance Summary** (0 errors)
- View By Error: Student Daily Attendance** (0 errors)
- View By District: Calendar Summary** (0 errors)
- View By District: Calendar Date** (0 errors)
- View By District: Section Information** (63 errors)
- View By District: Term Information** (0 errors)
- View By District: School Courses** (0 errors)
- View By District: Attendance Code Info** (0 errors)
- View By District: Staff Demographics** (8 errors)
- View By District: Staff Assignment** (0 errors)
- View By District: School Information** (0 errors)
- View By District: District Information** (0 errors)



Comprehensive Exit Report

- Students who were previously enrolled at your site will show on this report
 - Report populates from the previous school year October 1 Report and SMART report
- This is the only place to report 5th and 6th year graduates



Comprehensive Exit Report, Things to Watch For: Dos

- Make sure to review these Report Categories:
 - 01- Graduated
 - SIF Code = 1921
 - 02- Exited to another diploma issuing school
 - SIF Code IN (1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1919, 3503, 3508)
 - 03- Dropped Out
 - SIF Code IN (1927, 1931, 3502)
 - 04- Emigrated
 - SIF Code = 1916
 - 05- Died
 - SIF Code = 1923 AND ExitTypeCode/Other Code = 1923D
 - 06- Exited to Non-diploma issuing school or institution
 - SIF Code = 1917
 - 07- Exited to homeschooling
 - SIF Code = 1918



Comprehensive Exit Report, Things to Watch For: Dos

- Make sure to review these Report Categories:
 - 09- Exited Reached Maximum Age of Services
 - SIF Code = 1926
 - 10 – Exited Suspension
 - SIF Code = 1925
 - 11- Exited Completed IEP, but did not receive a diploma
 - SIF Code IN (1922, 1928)
 - 12 – Finished out the Year
 - SIF Code = 3505
 - 13 – Never Enrolled
 - SIF Code = 1931
 - 15 – Permanently Incapacitated
 - SIF Code = 1923



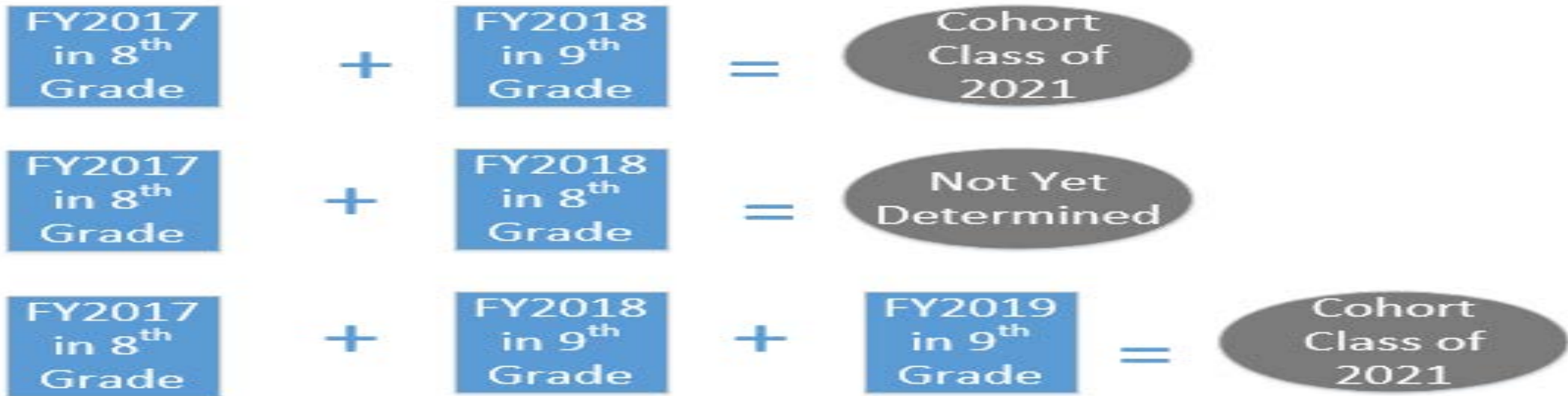
Historical Cohort Report, Things to Remember

- StudentPersonal → OnTimeGraduationYear
 - Does not change
- StudentPersonal → ProjectedGraduationYear
 - Can change
- Students no longer enrolled
 - Included in graduation rate



Comprehensive Exit Report, Things to Watch For: Dos

- Remember that cohort year cannot be changed:
 - Calculated the first time a student enters the 9th grade
 - Will line up with StudentPersonal → OnTimeGraduationYear



Thank you for your time!

- Outstanding Questions?
 - We're here to answer
 - Or contact The Office of Student Information at:
 - (405) 521-3020
 - Erik.Friend@sde.ok.gov
 - Lakisha.Simon@sde.ok.gov

