Ed-Fi Overview

August 2 and August 9, 2018

What is Ed-Fi?

- Ed-Fi securely and seamlessly connects educational data systems.
- The Ed-Fi Data Standard is a set of rules that allow (previously disconnected) educational data systems to connect.
- Allows for rapid future growth by streamlining the process of adding new data collections to the system in order to meet state and federal reporting requirements

How Did We Get Here?

- Currently using file uploads from districts to MDE
  - Process initially developed in 1993
- Separate data systems
- Requirements to collect, and report, more detailed data
- Feasibility Study

2017 Legislation: Changes to Reporting Student Accountability

- Maintains current categories for racial groups
- Adds data disaggregation for ethnic groups:
  - 3 of most populous American Indian groups
  - 7 of the most populous Asian groups and Karen
  - 7 of the most populous Hispanic groups
  - 5 of the most populous African groups

What Will Ed-Fi Look Like in Minnesota?

- The current plan is to utilize Ed-Fi technology to transfer information from a charter school or district student information system (SIS) directly to MDE.
- This has the goal of eliminating separate file and spreadsheet uploads to different systems.
- Specifically, support the collection of student demographic and enrollment data.
- Phased-in approach over 5 years

Phase 1 Data

- Identity: name, birthdate, SSID
- Demographic data: race/ethnic, ancestry, sex, language, economic status
- Program: EL, special education, 504, independent study, homebound
- Enrollment: grade level, last location, status end, enrollment and withdrawal dates

School Year 2018-2019

- Collect phase 1 data elements
- Pilot with Community of Peace Charter School, Minnetonka Public Schools, Schoolcraft Charter School, St. Paul Public Schools, and Worthington Public Schools
- Continue to provide data via current systems (MARSS WES, other uploads)
    - Comparisons/validations between current systems and Ed-Fi will be conducted

School Year 2019-2020

- Collect phase 1 and 2 data elements (all of MARSS data items)
- Goal of 50% of Minnesota districts report all MARSS data using Ed-Fi (phase 1 + phase 2 data elements)
- Continue to provide data via current systems (MARSS WES, other uploads)
  - Comparisons/validations between current systems and Ed-Fi will be conducted
  - Process to certify a SIS vendor will be established
  - Process to certify a district will be established

School Year 2020-2021

- Continue to collect phase 1 and phase 2 data elements statewide
- Goal of 90% of Minnesota districts report all data using Ed-Fi
- For districts that receive certification during 2019-2020, only report using Ed-Fi beginning this school year
- Continued comparisons/validations between current systems and Ed-Fi
- MARSS statewide edit continues

School Year 2021-2022

- Goal of 100% of Minnesota districts report all data using Ed-Fi
- For districts that receive certification in a prior year, only report using Ed-Fi
- Continued comparisons/validations between current systems and Ed-Fi
- MARSS statewide edit continues.

School Year 2022-2023

- Goal of 100% of Minnesota districts report all data using Ed-Fi
- For districts that receive certification in a prior year, only report using Ed-Fi
- Last year for MARSS-WES.
- Statewide MARSS edit continues.

Visual for 2017-2018 and 2018-2019 School Years

Fall 2017-2018	Winter 2017-2018	Spring 2017-2018	Summer 2017-2018	Fall 2018-2019	Winter 2018-2019	Spring 2018-2019	Summer 2018-2019
Prepare for Pilot Year				Pilot Year for 5 Partners; Prepare for Statewide			
		Support SIS vendor testing Ed-Fi	Ed-Fi Submissions Operational (Phase 1 elements)	Pilot districts submit to MDE through Ed-Fi (Phase 1 elements)	Preliminary data run/analysis	Validate 2018-2019 Fall Ed-Fi vs. MARSS WES	Validate 2018-2019 EOY Ed-Fi vs. MARSS WES
	Demographics forms to partner districts for 2018-2019 school year	2018-2019 Requirements to SIS Vendors Work with SIS vendors on parent interface		Demographics forms to all MN Districts for 2019-2020 school year	Finalize MARSS element changes for school year 2019-2020	Update Ed-Fi API/ODS for 2019-2020	Updated Ed-Fi API/ODS for 2019-2020 deployed
					Communicate detailed information/plan for 2019-2020 to SIS Vendors and all MN Districts		

Visual for 2019-2020 and 2020-2021 School Years

Fall 2019-2020	Winter 2019-2020	Spring 2019-2020	Summer 2019-2020	Fall 2020-2021	Winter 2020-2021	Spring 2020-2021	Summer 2020-2021
Goal: 50% Districts Provide Data Elements via Ed-FI				Goal: 90% Districts Provide Data Elements via Ed-Fi			
Ed-Fi available for all districts and SIS vendors to submit All districts double reporting	Validate 2019-2020 Fall Ed-Fi vs. MARSS WES	Update Ed-Fi API/ODS for 2020-2021	Summer '20 Assessment Results release includes report of detailed demographics based on Ed-Fi collection efforts	MDE Systems need to query MARSS and Ed-Fi	Validate 2020-2021 Fall Ed-Fi vs. MARSS WES	Update Ed-Fi API/ODS for 2021-2022	Validate 2020-2021 EOY Ed-Fi vs. MARSS WES
Oct. '19 - publish report about pilot/'18-'19 results (Lessons Learned)	Feb. '20 - publish report of detailed demographics graduation rates results based on pilot information		Validate 2019-2020 EOY Ed-Fi vs. MARSS WES		Finalize MARSS element changes for school year 2021-2022		Updated Ed-Fi API/ODS for 2021-2022 deployed
Oct. '19 - publish report of detailed demographics assessments results based on pilot information	Finalize MARSS element changes for school year 2020-2021		Updated Ed-Fi API/ODS 3.0 for 2020-2021 deployed				

Progress to Date

- Working with partner schools and districts
- Working directly with MDE program area staff whose program data will be collected using Ed-Fi in 2018-2019 and 2019-2020
- Conversations with MDE Data Governance Committee
- Working with Ed-Fi implementation vendor (Double Line)
- Working with Student Information System (SIS) vendors
- D2/Ed-Fi webpages and regular updates

What does this mean for you?

- Students and Families > Programs and Initiatives > Counting All Students
  - Designed as a resource for families
- Districts, Schools and Educators > Business and Finance > Counting All Students
  - Designed as a resource for schools and districts
  - Role document

MARSS Coordinators and IT Directors

- Data entry to SIS remains the same.
- Work together to confirm that the SIS is ready.
- Verify who will be responsible for correcting identified errors.
- Attend SIS conferences and check the vendor's website for information.

Supervisor of MARSS Coordinator

- Support the MARSS Coordinator and IT office by providing necessary resources.
- Provide time for learning the new Ed-Fi interface and correcting errors.
- Send them to training offered by the vendor and/or MDE.
- Identify other district staff who can assist in editing data.
- The time saved in extracting multiple files can be spent verifying the data.

District Administrator

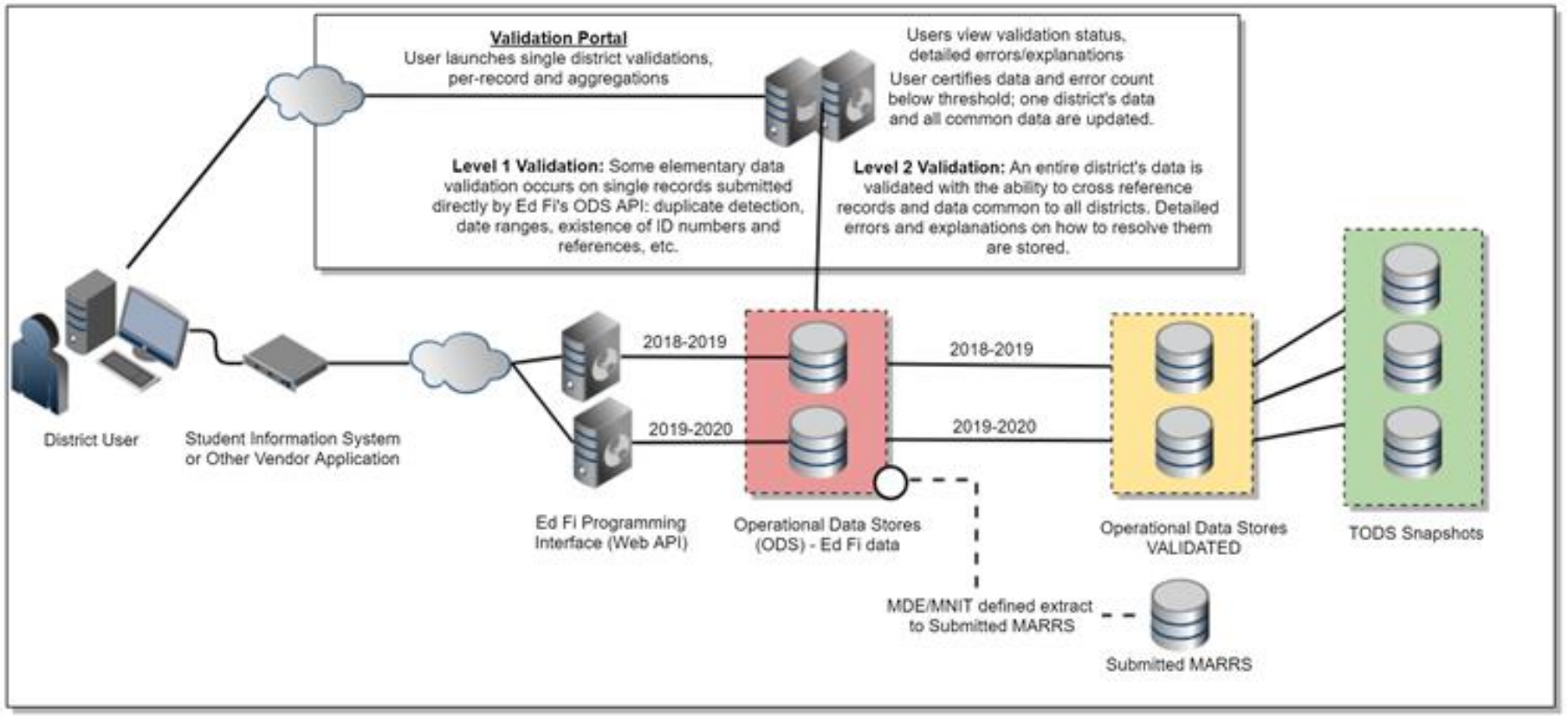
- Support the technology and MARSS team in transitioning to Ed-Fi.
- Provide them the necessary resources and time to attend trainings.
- Help identify other district staff who can assist in editing the data.

Vendor and District On-Boarding Process

- Vendors will be provided a Sandbox in which to test their processes using test student data.
- The next step is the Staging environment where the vendor will use real data and more extensive interaction with MDE edit processes can occur.
- Once the district's data in the Staging environment has reached a satisfactory level of quality as determined by MDE, MNIT, and a designated District representative, MNIT will grant the SIS vendor a key and secret to the production environment.

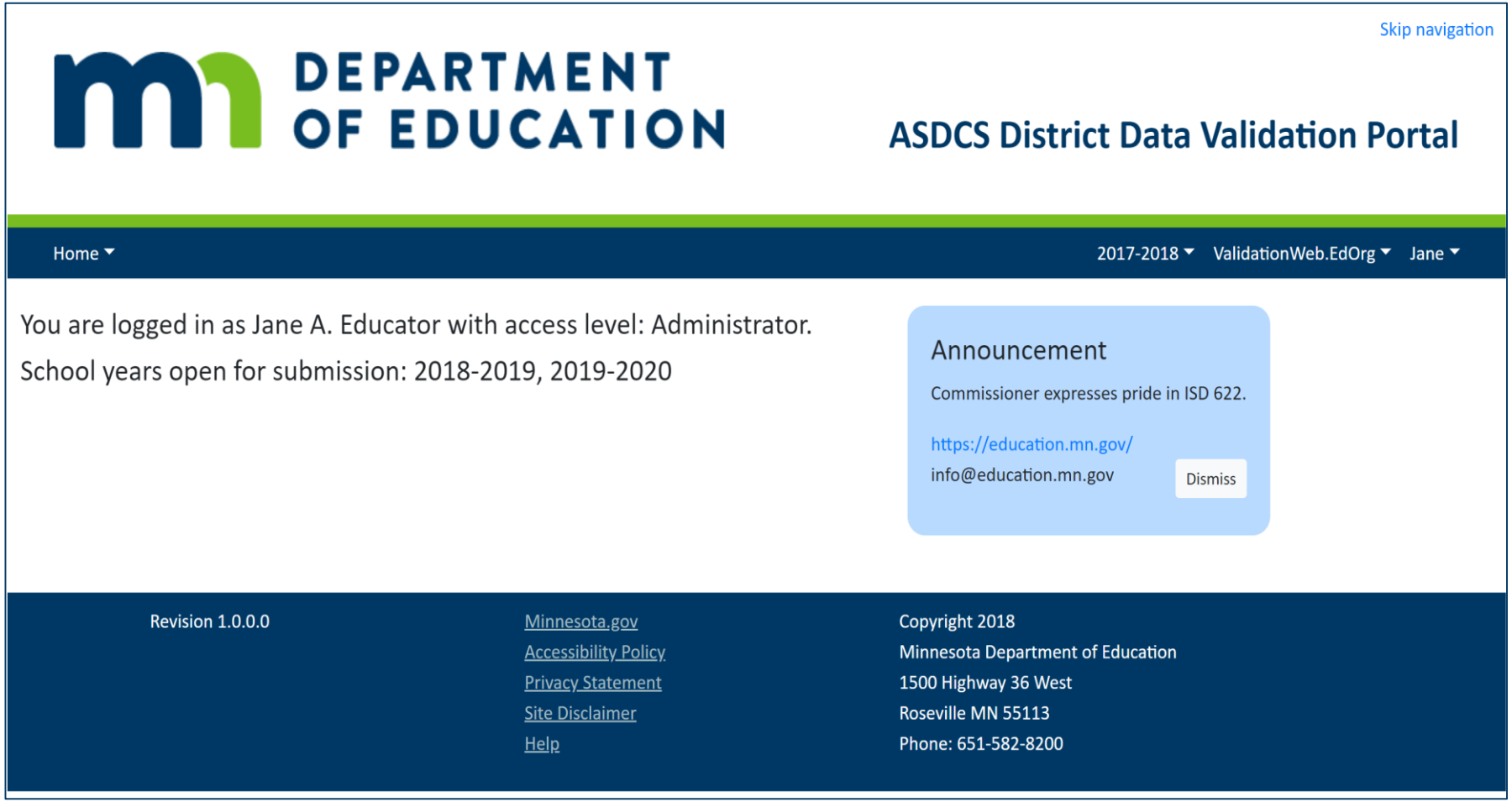
Ed-Fi System Architecture Overview

- Validation Portal looks at the Raw (red) Ed-Fi ODS
- When user clicks Submit in Validation Portal, data is transferred to the Validated (yellow) Ed-Fi ODS.
- During the interim (starting 2020-2021) when we have Ed-Fi data submitted both in Ed-Fi and MARSSWES, this is also the integration point for MARSS data.



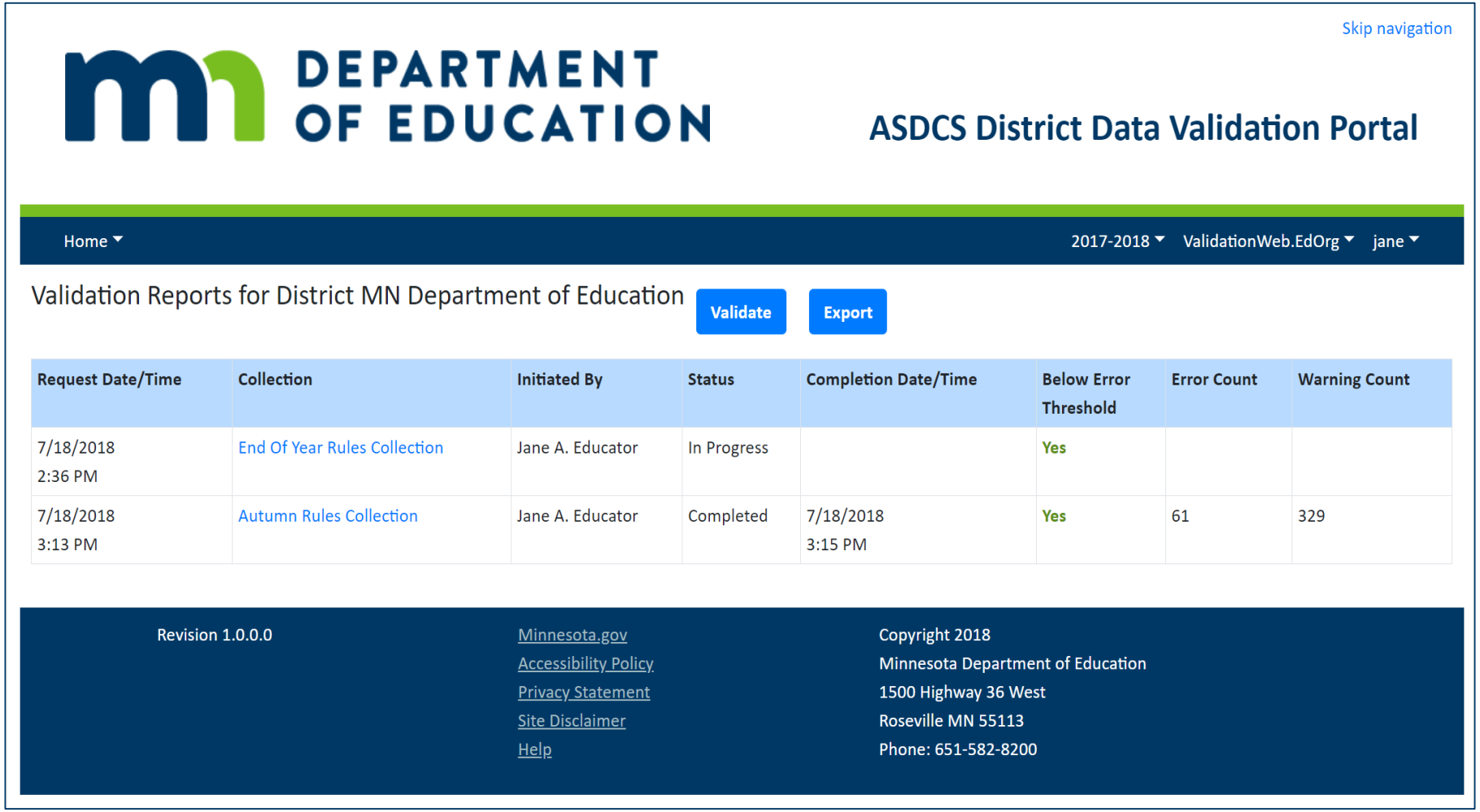
Landing Page

- Single Sign-On: MDE User Account
- School Year Selection
- District Selection
- Website Branding



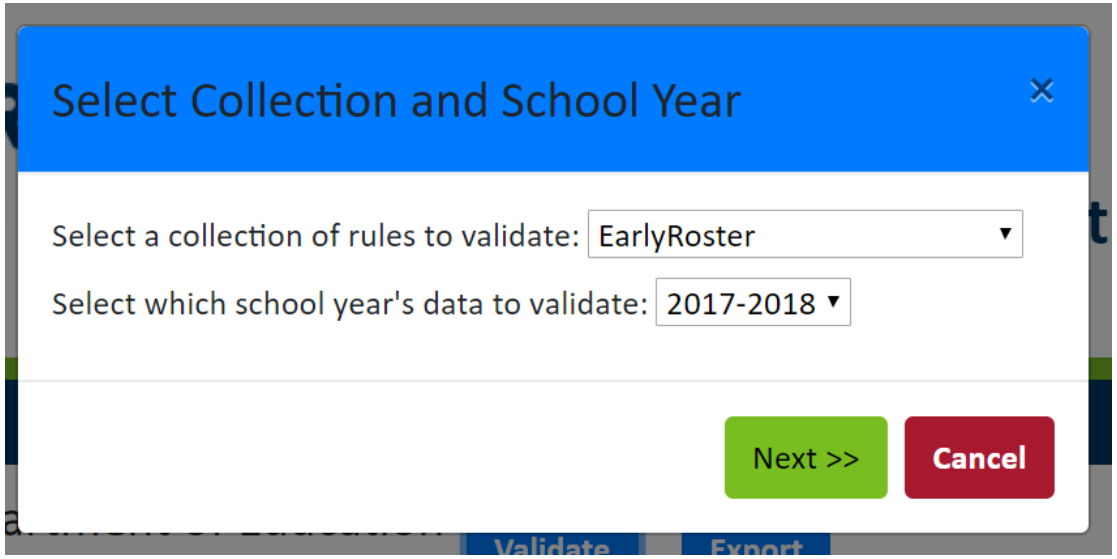
Validation Reports

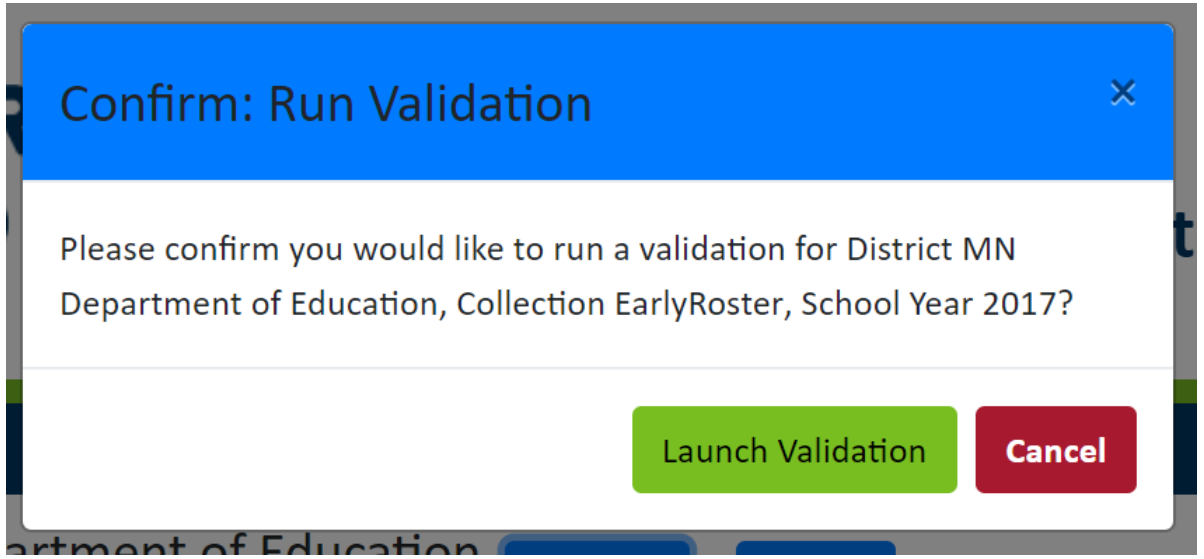
- A validation report entry is added each time the district runs a Validation, with latest run on top.
- "Collection" refers to a group of validation rules. Right now we expect a "Fall Collection" and an "End-of-Year Collection".
- The "Collection" label is a link to drill down to a list of errors from that validation.
- The "Export" button will download a CSV file with a list of validation report entries.
- The "Validate" button launches a new data validation process.



Validation Launch Process

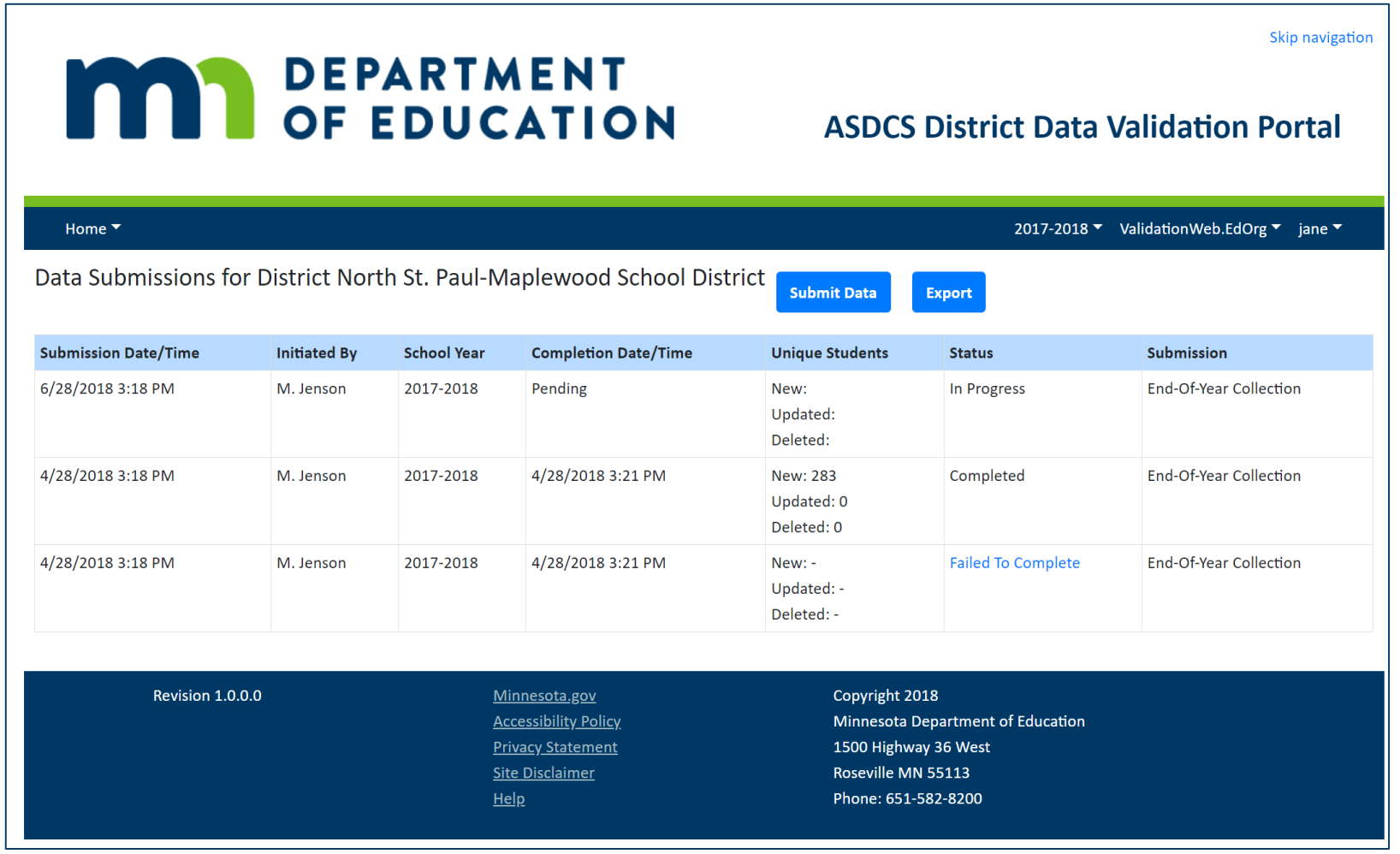
The “Validate” button will launch a popup window which prompts the user to choose a school year (defaults to the school year selected) and a collection (defaults to a particular collection based on the current date) to run against the district’s data in the Raw ODS.





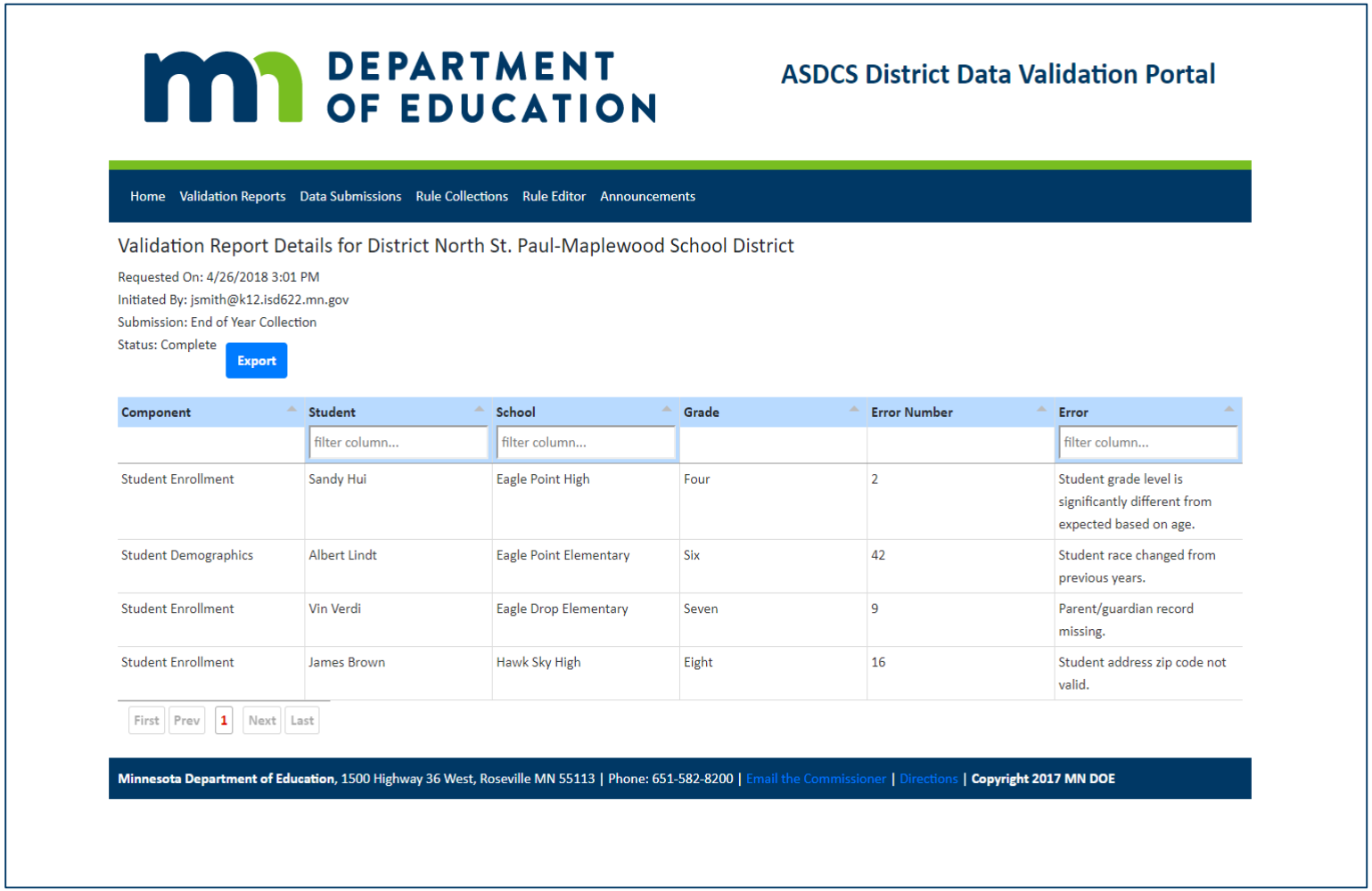
Submission Reports

- If the data error rate is less that 5% (configurable by MDE admin), then the authorized district user will be allowed to submit the data from the Raw to the Validated Ed Fi ODS database. The "Submit" button will then be enabled.
- The Submission Reports page shows a history of past submissions by the district.
- The district may resubmit their data to MDE any number of times within the collection time period.
- The "Export" button will download a CSV file with a list of submission report entries.



Error Details Report

- The validation error details report may be very long, so it supports pagination, sorting, and column filters.
- The “Export” button will download a CSV file with a list of error details report entries.



New MDE Staff

- Communications Specialist to assist with outreach to families, schools and other stakeholders regarding the data disaggregation law and Ed-Fi and to facilitate communications at MDE.
- Technical Support Specialist to assist district and vendor staff in the transition to Ed-Fi technology.

Question & Answer

- Questions?

Thank you!

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