



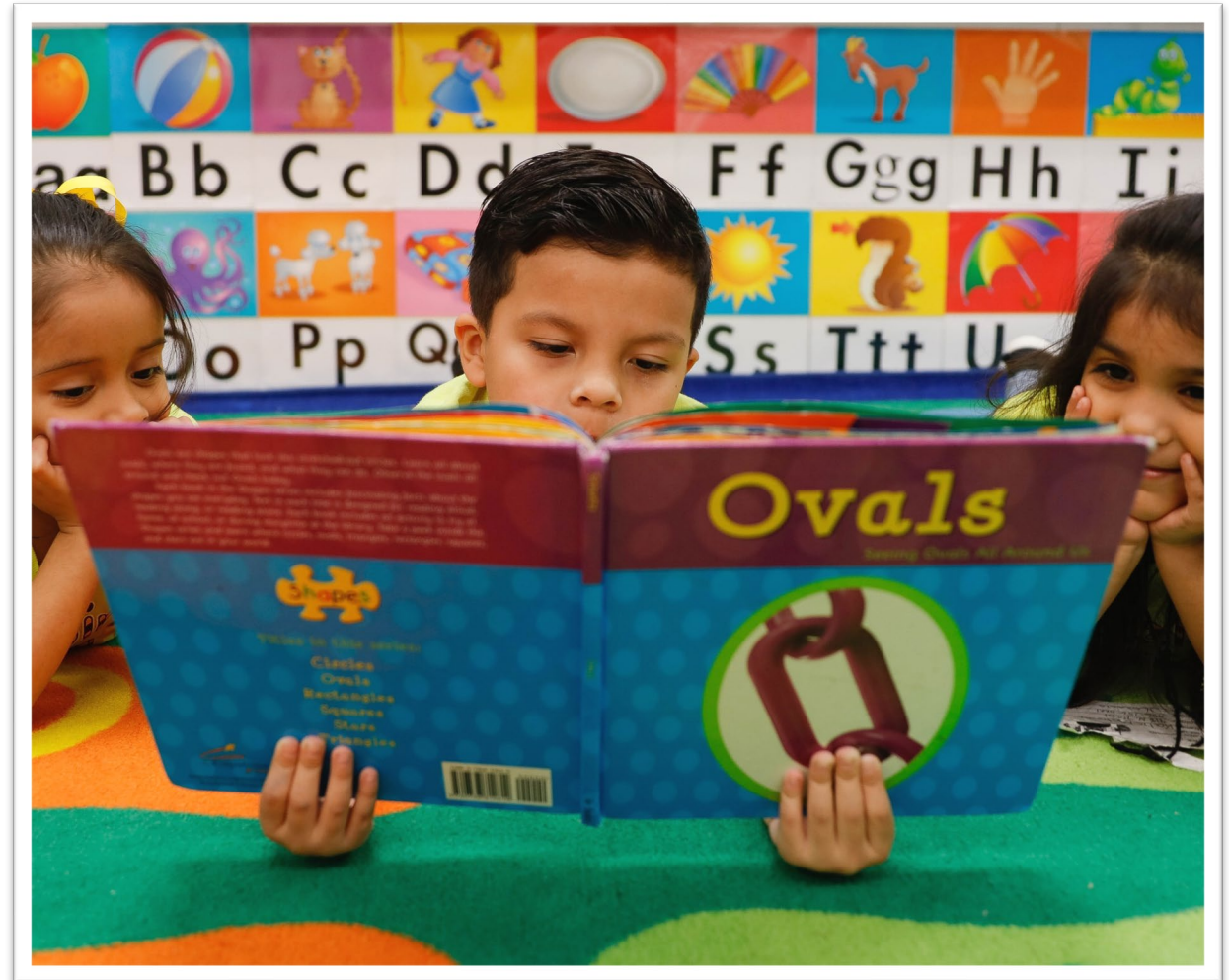
TSDS ODS 3.x PROJECT UPDATES

FOR ESC CHAMPIONS

August 3, 2022

SESSION AGENDA

- **PROJECT UPDATE**
 - Purpose & Project Extension
- **PROJECT TIMELINE**
 - Pilot Program & Milestones
 - Parallel Submission & Go-Live
- **PROJECT ARCHITECTURE**
 - Diagram & Components
 - ODS & Key Changes
- **UPCOMING EVENTS**
 - Software Development Kit (SDK)
 - TSDS ODS 3.x Training
- **CLOSEOUT**
 - Key Takeaways & FAQs



Customer Relationship Management & Data Standards Department
Information Technology



A multi-year initiative to upgrade the Operational Data Store (ODS) and Texas Education Data Standards (TEDS) to a current version of Ed-Fi.

Announced on May 18, 2022

PROJECT TIMELINE EXTENSION



RATIONAL & REASONING

PILOT PROGRAM

Extending provides a more comprehensive testing period for LEAs to validate their vendor product solution(s).

ARCHITECTURE & TECHNOLOGY

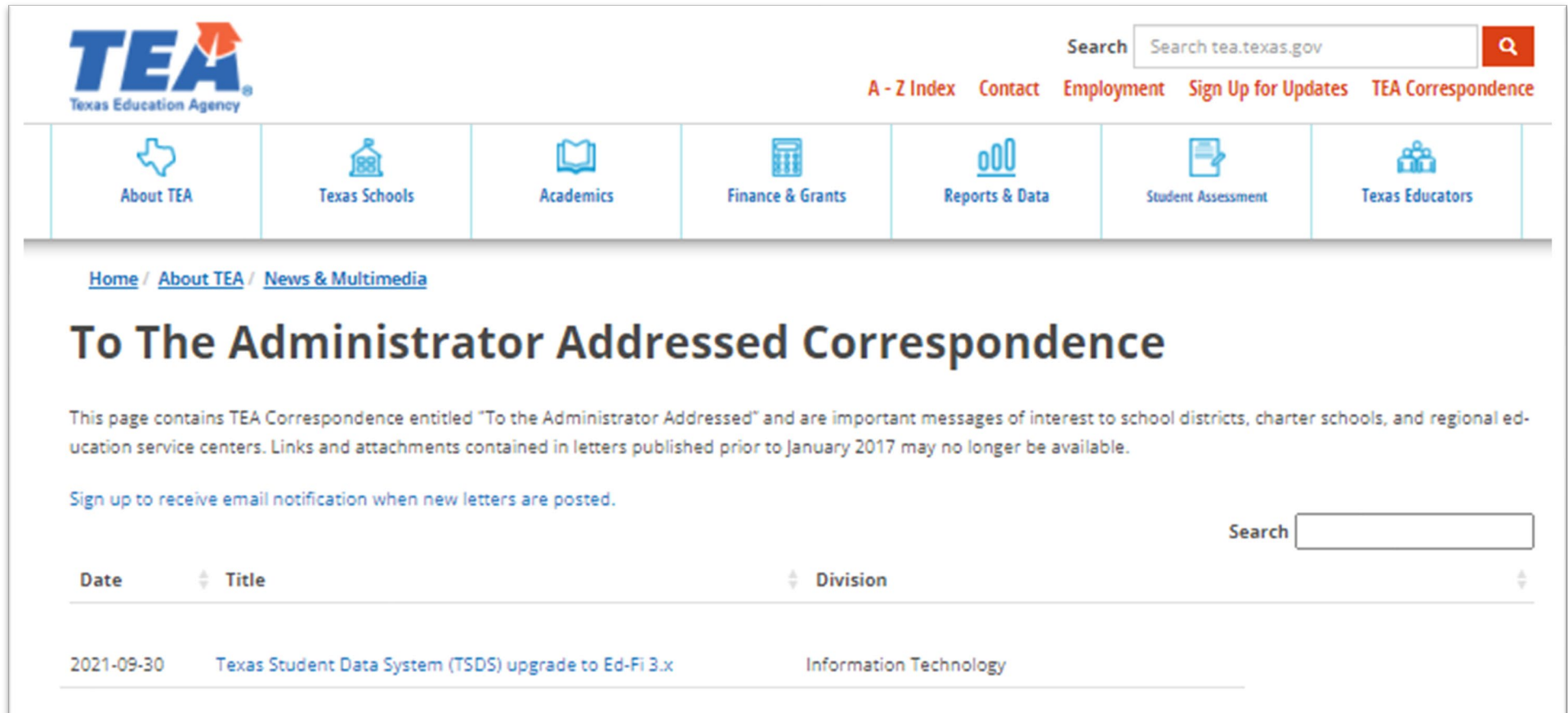
Extending allows TEA to take ownership of the architecture and in developing application(s) to meet our LEAs' needs.

VENDOR READINESS

Extending grants vendors more time to develop their solution(s) in ensuring readiness for parallel submission.

Published [To the Administrator Addressed \(TAA\)](#) on **September 30, 2021**

Published [To the Administrator Addressed \(TAA\)](#) on **May 19, 2022**



The screenshot shows the TEA (Texas Education Agency) website. The header includes the TEA logo, a search bar, and navigation links: A - Z Index, Contact, Employment, Sign Up for Updates, and TEA Correspondence. Below the header is a menu with icons and labels: About TEA, Texas Schools, Academics, Finance & Grants, Reports & Data, Student Assessment, and Texas Educators. The main content area has a breadcrumb trail: Home / About TEA / News & Multimedia. The title of the page is "To The Administrator Addressed Correspondence". Below the title is a paragraph explaining that the page contains TEA Correspondence entitled "To the Administrator Addressed" and are important messages of interest to school districts, charter schools, and regional education service centers. Links and attachments contained in letters published prior to January 2017 may no longer be available. There is a sign-up link to receive email notification when new letters are posted. A search bar is located on the right side of the page. Below the search bar is a table with columns: Date, Title, and Division. The table contains one row of data.

Date	Title	Division
2021-09-30	Texas Student Data System (TSDS) upgrade to Ed-Fi 3.x	Information Technology

PROJECT TIMELINE

■ September 2021 – August 2023

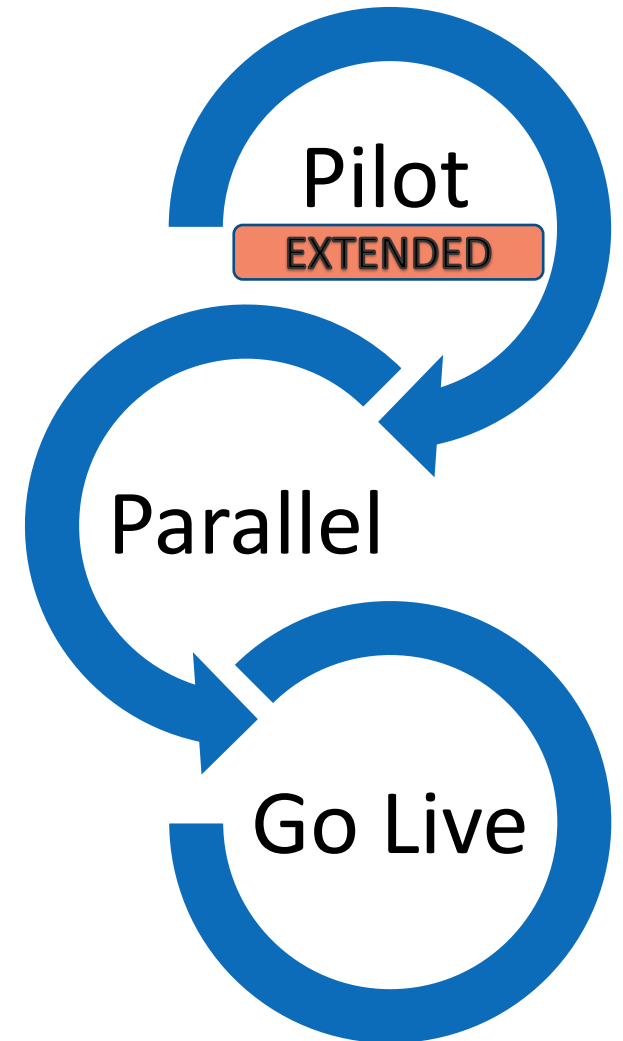
- **Optional:** TSDS vendors can participate in pilot program to develop and test their product solutions.
- **Optional:** LEAs can partner with their vendors to conduct end-to-end testing in preparation to parallel submission.

■ August 2023 – August 2024

- **Required:** All TSDS vendors test their product solutions.
- **Optional:** LEAs will submit both API transactions and XML submissions and compare results to ensure vendor readiness.

■ August 2024 – August 2025

- **Required:** All LEAs will submit their TSDS official data through API transactions.
- XML submissions no longer accepted for TSDS.

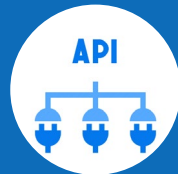


2021-2023: PILOT PROGRAM

- **2021-2022:** Cohort of six (6) vendors conducted initial vetting of the integration and data out phases.
 - Software Development Kit (SDK) was provided to all vendors.
- **2022-2023:** Pilot program will continue for any interested vendor.
 - LEAs and ESCs will begin End-to-End testing starting in January 2023.

Extended into 2022-2023

January - August 2023



Integration



Data Output



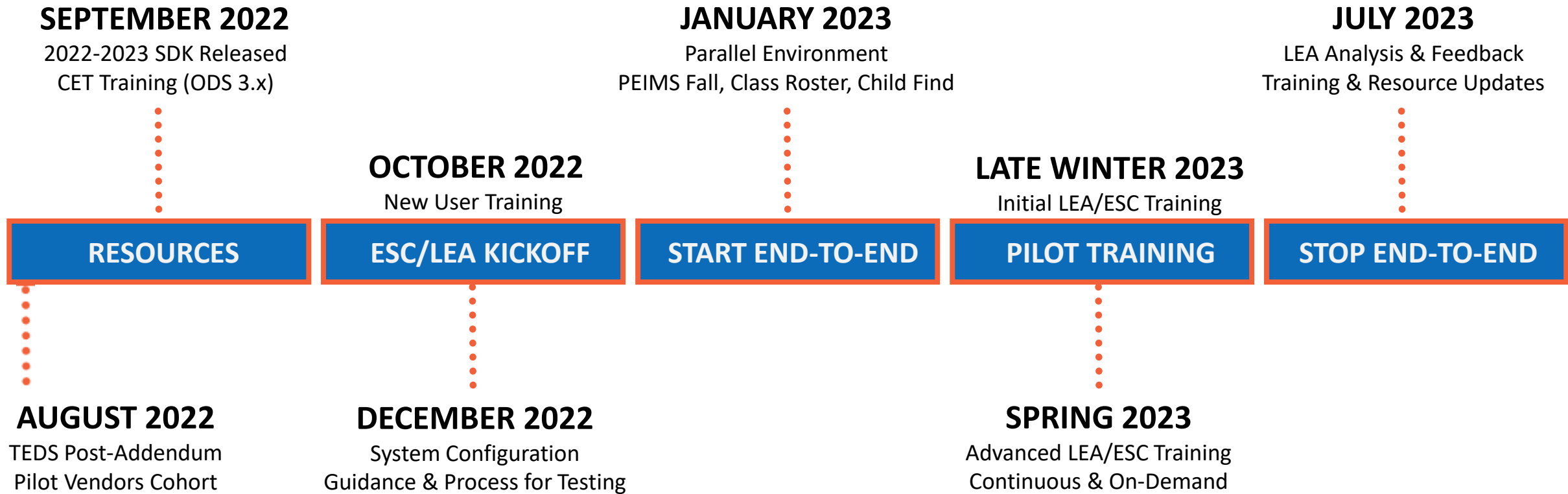
End-to-End

PEIMS Fall

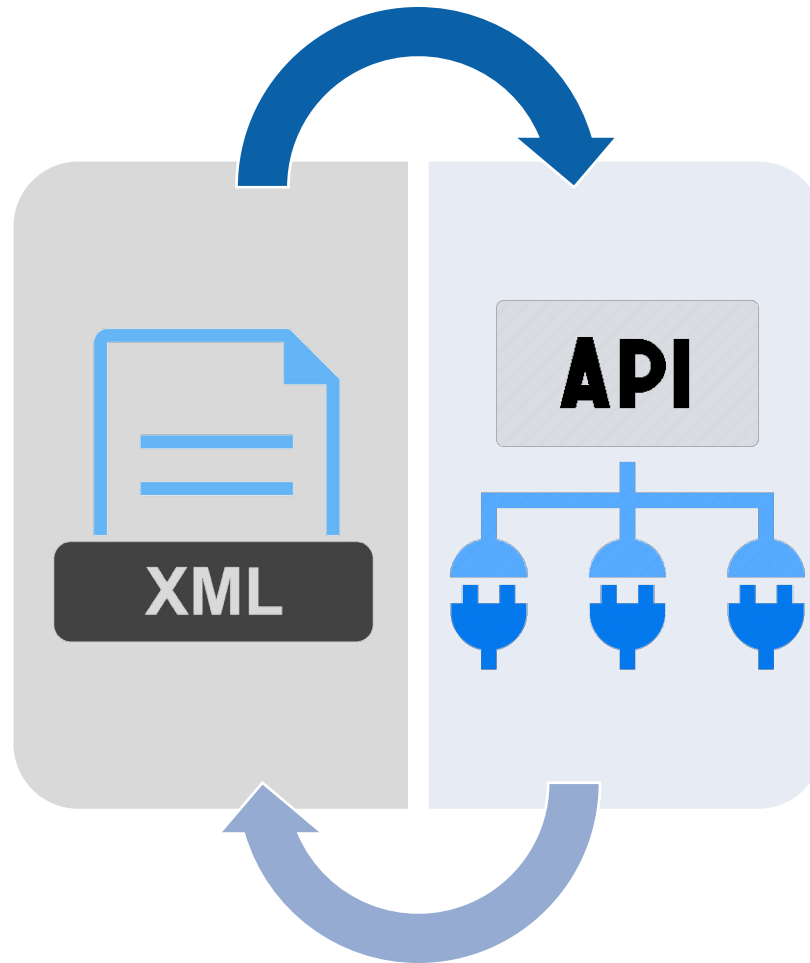
Child Find

Class Roster

PILOT PROGRAM: KEY MILESTONES



2023-2024: PARALLEL SUBMISSION



REQUIRED For All Vendors
OPTIONAL For LEAs & ESCs

- LEAs will compare XML data against API transactions through TSDS reports and validations.
- **All TSDS submissions** are expected to be compared by the submission due dates.
- XML will be used for official TSDS reporting.



LEAs will be nominated, selected, and approved to participate in the parallel submission. Recommending **250+ LEAs**.

2024-2025: GO-LIVE

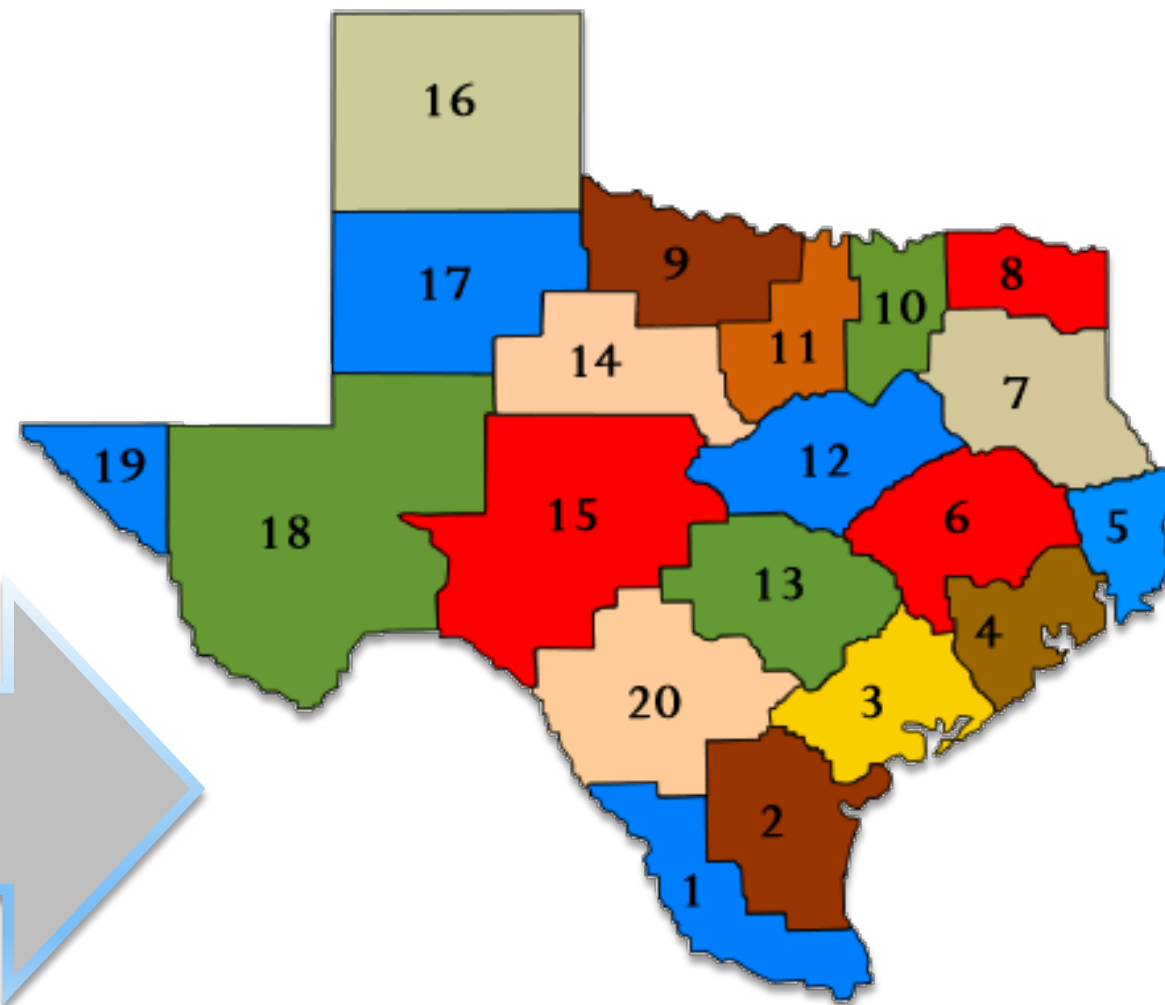
REQUIRED For All Vendors

REQUIRED For All LEAs & ESCs

- Only API transactions will be accepted for TSDS.
- XML data loads will not be available or permitted.
- All ESCs will be trained and ready to support their LEAs.



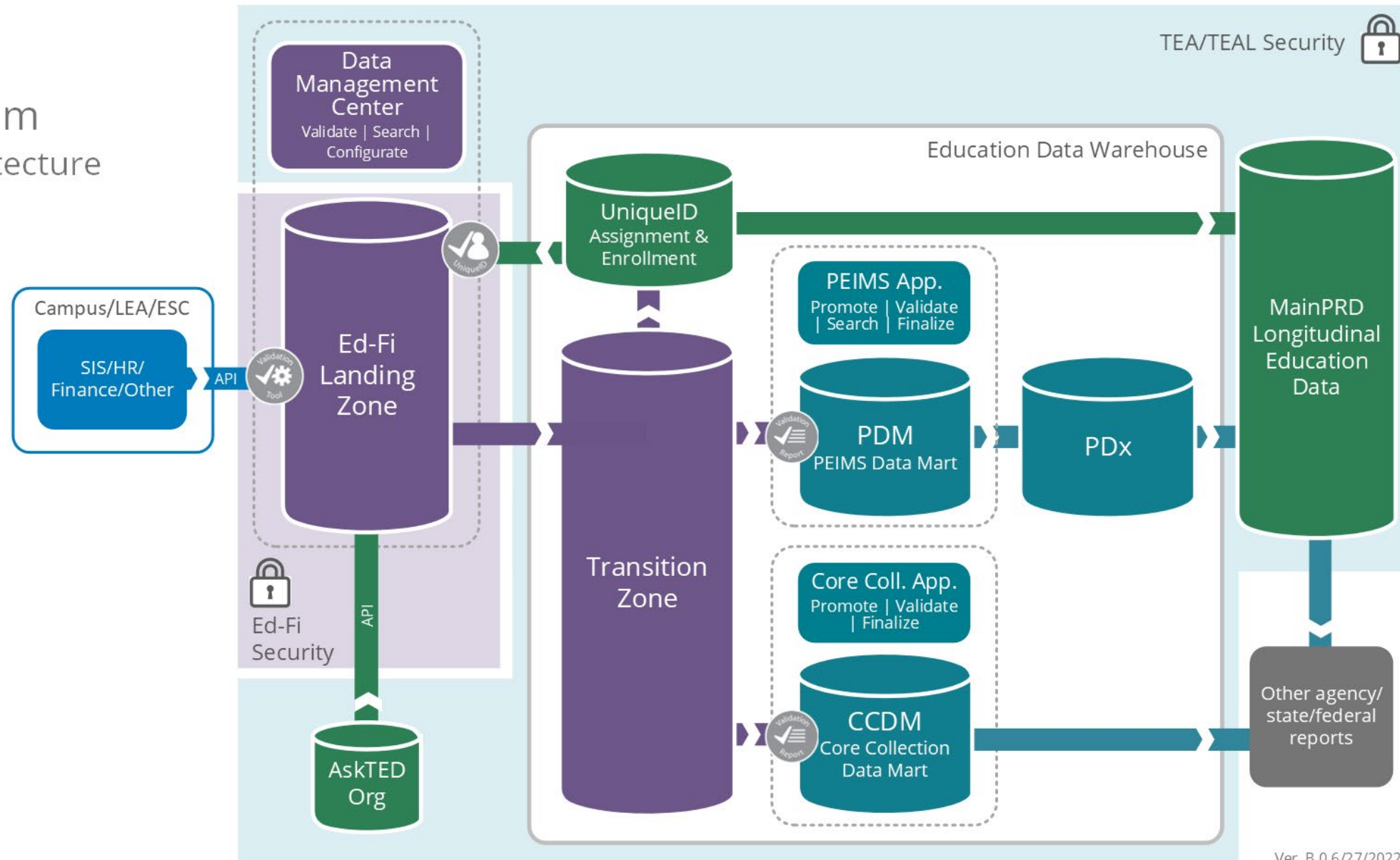
LIVE



UPDATED ARCHITECTURE

Components Diagram Proposed ODS 3.x Architecture

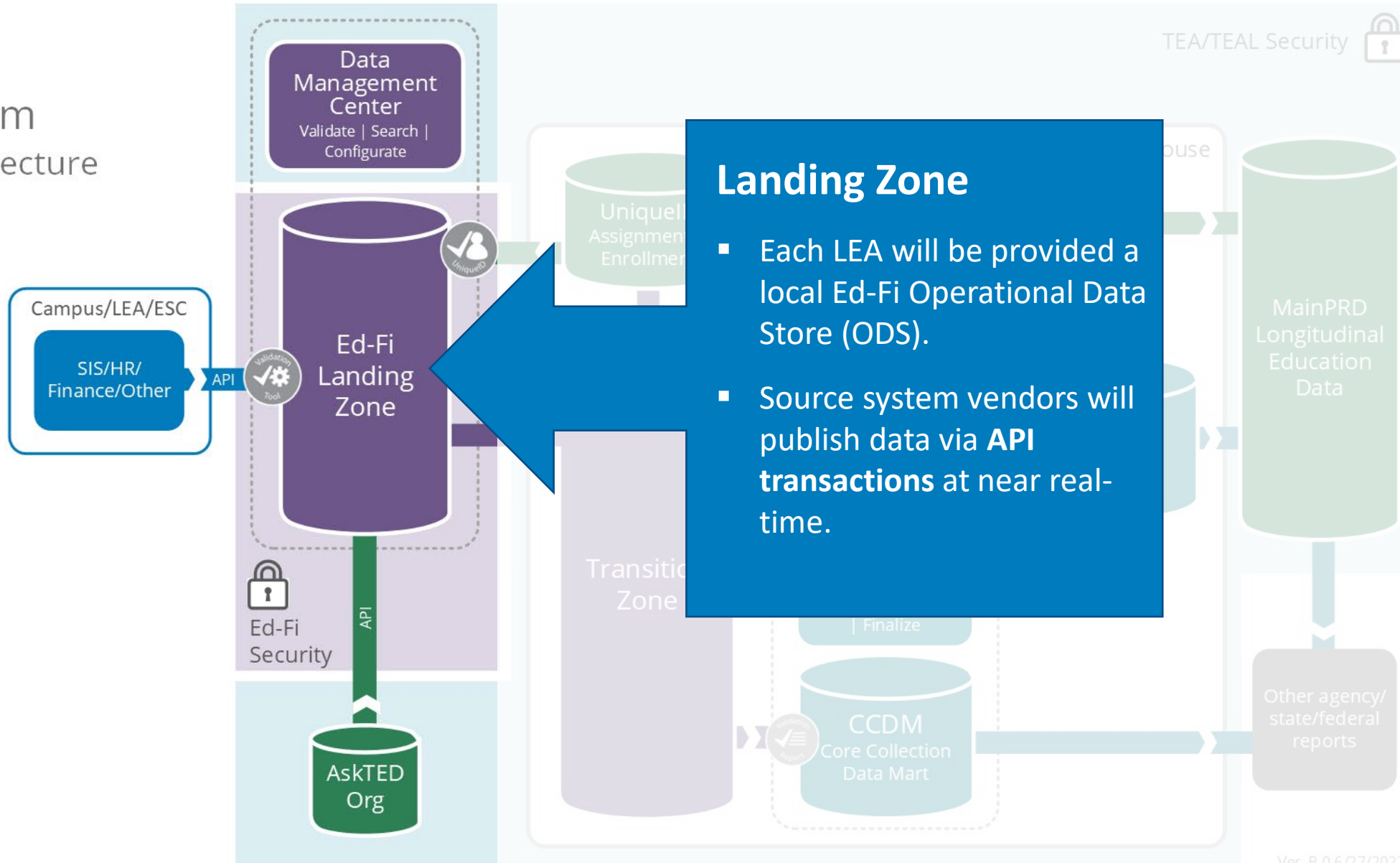
- New ODS 3.x / TPDM Systems
- Campus/LEA/ESC Systems
- TSDS Systems
- Other TEA Systems
- Other systems
- Client-side validations
- UniqueID validations
- Server-side validations



UPDATED ARCHITECTURE

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Landing Zone

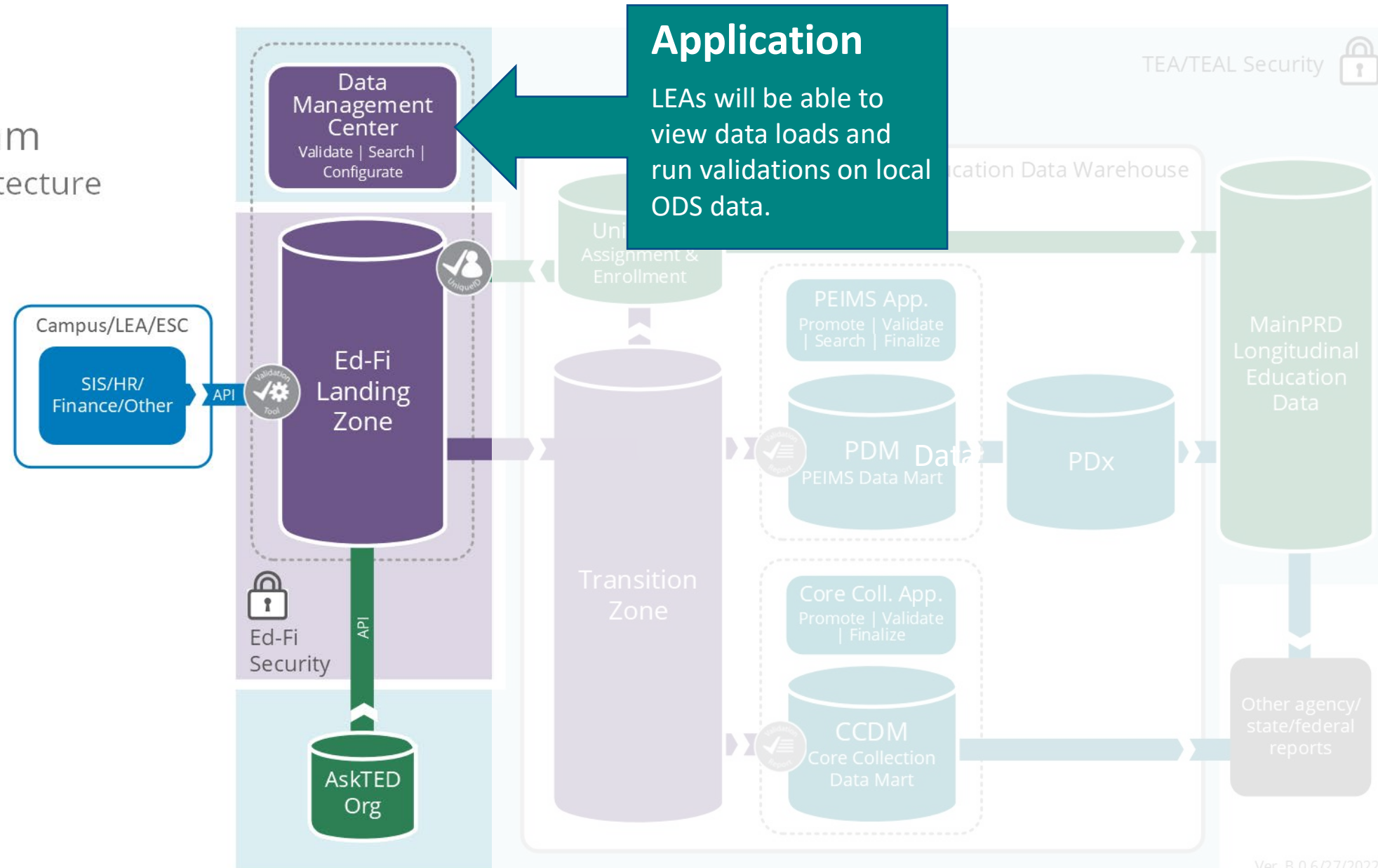
- Each LEA will be provided a local Ed-Fi Operational Data Store (ODS).
- Source system vendors will publish data via **API transactions** at near real-time.

UPDATED ARCHITECTURE



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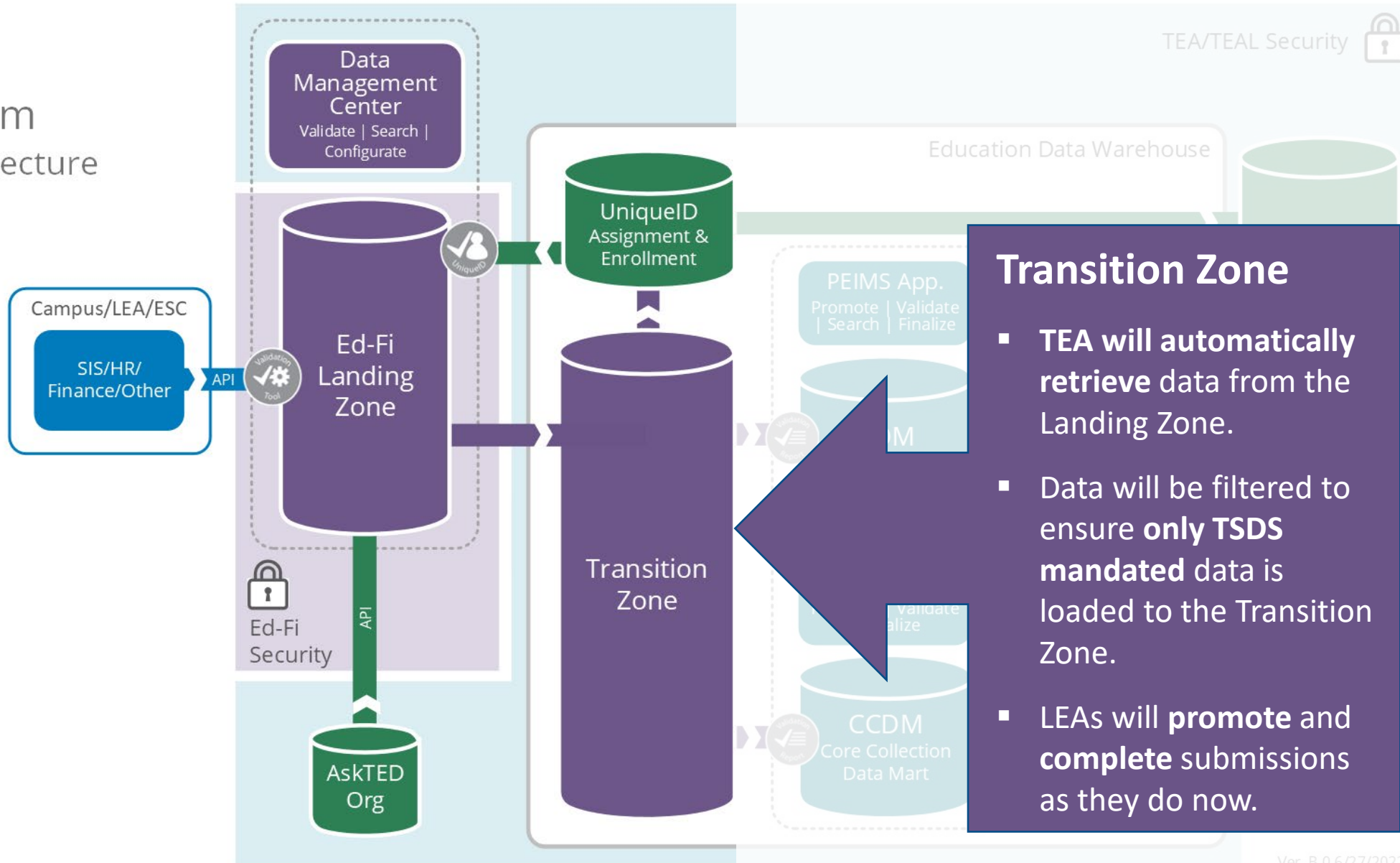
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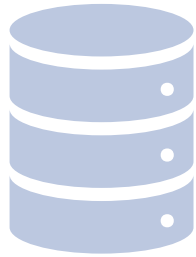
UPDATED ARCHITECTURE

Components Diagram Proposed ODS 3.x Architecture

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OPERATIONAL DATA STORE (ODS)

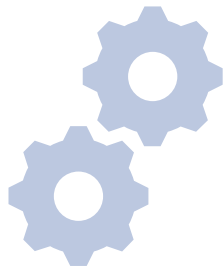


Each LEA will be provided an Ed-Fi Operational Data Store (ODS) to utilize for **state reporting and local use**. LEAs will need to provide security credentials to vendors through the Data Management Center for API transactions.



Source system vendors will publish **transactional data** to an LEA's Ed-Fi ODS irrespective of specific TSDS data submissions along with appropriate effective dating.

Additional data can be published beyond the reporting requirements of TSDS for an LEA's local use.



LEAs will be able to verify and validate API transactional data in the Data Management Center.

Logic will be implemented in the **LEA's Landing Zone** to ensure **only the TSDS state mandated data is reported to TEA's Transition Zone (ODS)** and utilized for TSDS data submissions.

KEY CHANGES TO DATA COLLECTION

Attendance

TEA plans to collect **attendance** data **two ways** in the 2024-2025 (Go-Live) school year:

1. Granular negative attendance by student **which will eliminate the requirement for SIS vendors to calculate attendance by six-weeks.**
2. **Cumulative attendance** by six-weeks by student (no change from the way attendance is currently collected).

Note: TEA will discontinue collecting cumulative attendance after confirming attendance calculations in future year(s) beyond 2024-2025.

Enrollment

Enrollment and **withdrawal** data will be collected at the **student level** through source system vendor API transactions to the LEA's ODS.

This data will be automatically loaded to the Unique ID Enrollment Tracking application. LEAs will **no longer need to load this data in the Unique ID system directly.**

WHAT IS REMAINING THE SAME?

- All processes that occur from the **Transition Zone (ODS) to the data mart** will remain as-is.
- **Reports** and **business rule validations** will remain in downstream TSDS applications.
- **TEAL** will continue to be utilized for authentication.
- **Unique ID application** will continue to be utilized for assignment for staff and students.
- TSDS Web-Enabled Data Standards (**TWEDS**) will continue to be utilized to provide specifications and guidance.



SOFTWARE DEVELOPMENT KIT (SDK)



PURPOSE

The SDK will provide vendors with a fully functional set of EdFi ODS, WebApi, Swagger, and Admin App that can be easily installed in their local systems for development purposes.

The ODS and WebApi will contain all the TEA defined extensions, as well as will come with pre-populated TEA Descriptors, Education Organizations (ESCs, LEAs, and Campuses), and Courses.

VENDOR RESOURCE

TEA will release the 2022-2023 SDK to all source system vendors in September 2022. Vendors not participating in the pilot program will be encouraged to utilize the SDK for local development to ensure product readiness for the 2023-2024 parallel submission.



TSDS ODS 3.x TRAINING

TSDS ODS 3.x Overview Training

September 7, 13 & 20, 2022

For currently certified Champions

New User Training

October 3-14, 2022

Includes ODS 3.x training from September

Pilot Program Kickoff

December 2022 (tentative)

Guidance & process for End-to-End testing

Pilot Program Trainings

Winter 2023 – Spring 2023

Continuous & on-demand training for ESCs & LEAs

KEY TAKEAWAYS



2021-2023 Pilot Program (**extended**)
2023-2024 Parallel Year
2024-2025 Go-Live



TEA will provide **all vendors** with the SDK for local development and planning.



TEA will provide an online form in **September 2022** to collect information for LEAs interested in the pilot program.



TEA will offer **trainings throughout 2022-2023**. Specific pilot program training will be made available.

FUTURE COMMUNICATIONS

- TEA will begin to utilize the **Field Coordination Network** webinars for timely topics on the TSDS ODS 3.x project.
- TEA will resume dedicated **vendor coordination** and support in September 2022.
- TEA will provide more in-depth project updates, guidance, and information during the **Spring TSDS ESC training**.

FREQUENTLY ASKED QUESTIONS

How can interested LEAs participate in the pilot program?

TEA will be providing an online form in September 2022 for interested LEAs to fill out the necessary information for nomination. ESCs are encouraged to solicit interest and capture any initial information in the meantime.

Throughout Fall 2022, TEA will be coordinating with the source system vendors of nominated LEAs to determine product readiness and their ability to support partner LEAs. Any LEA accepted to the pilot program will be able to begin end-to-end testing as early as January 2023 but may start later at their convenience through July 2023.

TEA will be reaching out to those ESCs and/or LEAs who have previously provided interest in the pilot program during the 2021-2022 school year.

FREQUENTLY ASKED QUESTIONS

How many LEAs can participate in the pilot program?

This will be based upon several factors, including the number of nominations received, vendor readiness and capability, and regional considerations.

TEA encourages all interested LEAs to submit a nomination with the necessary information for consideration.

FREQUENTLY ASKED QUESTIONS

How will ESC Champions be informed of LEAs accepted to participate in the pilot program?

TEA will be directly communicating and coordinating with ESCs to inform them of any LEA(s) interested prior to acceptance to ensure adequate support capacity.

ESCs will be provided the necessary training, guidance, and materials to effectively support their participating LEAs.

FREQUENTLY ASKED QUESTIONS

Will ESCs be able to participate in the pilot program?

Beyond supporting LEAs accepted to the pilot program, ESCs may be able to join the pilot program to develop and test any solution(s) in terms of submitting their PEIMS Fall data.

Their acceptance will be determined on a case-by-case basis and more information will be provided through the Field Coordination Network.

Please contact TSDSDeployment@tea.texas.gov with any questions.

FREQUENTLY ASKED QUESTIONS

When will the TSDS Training Advisory Group (TTAG) resume the review and feedback on TSDS ODS 3.x training materials?

These efforts have been postponed with the extension of the pilot program. The TTAG review is tentatively scheduled to resume in Spring 2023.

Please contact TSDS_Training@tea.texas.gov with any questions.



QUESTIONS