

AzEDS Vendor Update Meeting



Meeting Date: 02/16/2017

Location: Online

AGENDA

MEETING OBJECTIVE: Opportunity for Vendors to ask questions now that API 3.0 has been released. Provide update on Calendar changes in API 3.0. What to expect for AzEDS 915s, and the current status of AzEDS Platform.

Topic		Duration	Presenter
Intros and Roll Call	9:00	5 Minutes	Satish
AzEDS Accomplishments and Roadmap; new Calendar on AzEDS website	9:05	10 Minutes	Brian
API 3.0 Calendar Update	9:15	15 Minutes	Britto
API 3.0 Known Issues and Schedule Update	9:30	10 Minutes	Rohith / Brian
915s for AzEDS (How? Will it work?)	9:40	10 Minutes	Britto/Rohith
AzEDS Issues & Status	9:50	5 Minutes	Andrew
Feedback and Q&A; Wrap-up	9:55	5 Minutes	Sheri

ACCOMPLISHMENTS

- API 3.0
 - Finalized Approach for Calendar
 - Calendar – Sandbox 2/23
- Enhancements
 - AzEDS Student Analysis Tool - Phase I released!
 - A user who normally runs the STUD15 or the STUD10 for Student School Enrollment, FTE, Tuition Payer and Special Enrollment information and the ELL10, SPED10, SUP10, and SUPP11 while analyzing data for a single student can use this tool to see all the current data for these different areas on a single screen.
 - Still to Come in Future Releases – Integrity Tab, ADM Tab, transactions posted by resource type and more.
- Reports
 - New ELL Program Participation Report (ELL71)
 - *Upcoming change – sort by Grade (working to get into an upcoming release)*

AzEDS Accomplishments & Roadmap

- ✓ = Complete
- = Planned/In Progress
- RED = New Scope added to Roadmap

	Q1			Q2			Q3			Q4		
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
Rest API, Performance & Tools	✓ Performance, Latest Azure Model Analysis	✓ Merge Enhancements (Aug/Sept)	✓ Portal User Interface Enhancements – Messaging	✓ NEW - Integrity report (INTEG15) – Split into 4 separate reports to improve performance	✓ #1 AzEDS API 3.0– Ed-Fi 2.1 Upgrade, Calendar (ODS ETL Impact/Scope)	○ Latest Azure & SSD, performance (Target – FEB 11 OR 18)	✓ #2 Split Functionality {Q2 START}	✓ #3 Student Analysis Tool {Q2 START}	○ #2 Split Functionality {Q3 Finish}	✓ #3 Student Analysis Tool (Reconciliation) {Q3 – Phase I}	○ #1 API 3.0 - Sandbox and UAT Support	○ Performance improvements by leveraging latest Azure version, application changes to leverage latest platform perf capabilities
Configurability & DB work	✓ Portal User Interface - Fiscal Year Parameter Default			✓ Portal User Interface - LEA Parameter Defaults	✓ NEW – OCT 1 Fed Sped data extract		○ ACE Configurability POC (INCLUDING Reporting periods 5 & 6) address with APOR/CHAR					
SF-CYF, Data Push, and 915 Process	Current Year Funding (CYF):	✓ Regression, UAT and Support	✓ Rpt Changes in Data Push for FY2017 (APOR55, Budget)	✓ Support 200 Day Calendar Districts (Report Period 5)	✓ Document Legal Requ and Statute for Payment Systems {APOR/CHAR}	✓ Document & Communicate End to End Process for 915 (including supporting SAIS and AzEDS concurrently)	○ Payment 13 (? May not need – NEW CSF may not need)	○ APOR/CHAR Rewrite - Create Requirements and High Level Design	○ Create Admin Tool to support 915 Process (configurability - Vendor Support & Reports)		○ APOR/CHAR complete requirements; start design & start prototyping	○ Create Admin Tool to support 915 Process (configurability)
Integrity Rules	✓ Membership, ELL, SPED, Accountability Rules	✓ DRP Rules		✓ Fed SPED Rules	✓ NEW – OCT 1 Fed Sped Rules		○ Support Program {Q2/Q3}	○ Accountability – Non Payment	○ GCD - rules specs done (25)		Plus Other Enhancements – review and prioritize in Q3	
Payment Automation (ACE and Datapush)	Dropout Recovery Program:	✓ Integrity (31 rules, 9/30 target)	✓ Regression INTEG15, ADM15, Data Push ADMS46-1	✓ ACE Calc (ADM) – 10/13			Grand Canyon Diploma : (APR)	○ Integrity (approx 54 rules)	○ Regression INTEG15, ADM15, Data Push ADMS46-1; ADM20	○ New Report- GCD10 (New) –		
								○ ACE Calc – Req done				
AzEDS Reports	✓ ACE CYF Reports (SPED20, ELL20)	✓ ACE Limited ADM Interval Report (LMTADM25) 11/17		✓ SPED72 (Integrity Fed/State)	✓ NEW – OCT 1 Fed Sped	✓ STC10	✓ ABSATT10	✓ ELL71 (start)	○ ACE Limited ADM Summary Rp	○ Concurrency Report?? LEA NEED – Consolidate with limited sum		



API 3.0 High Level Scope

1. Ed-Fi 2.1



Elevates the platform to the latest Ed-Fi release along with associated benefits and fixes.

2. Calendar

Calendar Information

CTDE:

07046000

Name:

Alhambra Elementary District

Fiscal Year:

2012/2013

Month:

July

Track Number:

N/A

Days in Session:

180

Status:

Active 08/06/2012

Access:

Full

Calendar Type:

5-Day Week Calendar

Absence Reporting:

Not Applicable

Minimum Days in Session:

180

Change minimum days in session

July, 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Color Codes:

Blue:

Regular school day

Red:

Holiday / School not in Session

Gray:

Weekend

Orange:

Special day (Friday of class, 4th day)

Note:

Local education agencies can activate a calendar or edit an activated calendar prior to 9/1/2012

Reduces redundancy for LEAs by replacing the need to input calendars into both SIS and separately into Enterprise. Calendars can be entered into SIS and submitted via AzEDS.

UPDATE – Calendar changes due to Ed-Fi 2.1 changes only; Enterprise will continue to be source for calendars in FY18 – in sandbox no later than June 2017 with go-live by January 2018

3. Link Membership to DOR

Creates Student School Association (Membership) and Student Education Organization Association (DOR) relationship.

- Tightens up the data relationships for a student enrollment to improve data integrity and impacts to downstream ADE applications that rely on this data (in FY17 the relationship is *derived*)

API 3.0 Scope – Calendar Update

❖ Calendar in AzEDS API 3.0

- Implement calendar REST API changes in AzEDS 3.0, but leave it read-only
 - There WILL BE Data Schema Changes to support Ed-Fi 2.1
 - School Level Calendar mapping is required to support Ed-Fi 2.1
 - Private Day School calendars will be set up for each LEA – in FY18, ADE will make a copy of Private Day School calendars in Enterprise for each associated LEA
- FY17 – Q3, Q4 development
- Sandbox 3.0 deployment – February 23, 2017
- Production deployment – July 1, 2017

❖ AzEDS System of Record for Calendar FY19

- No REST API changes
- Change REST API security to allows LEAs to submit calendars
- Implement calendar rules & reports
- Implement calendar correction work flow for School Finance
- Vendor Support for calendar submission via API
- Sandbox deployment – July 2017
- Prod deployment – January 2018

API 3.0 Scope – Known Issues and Update

❖ QA Complete

- EndOfCourseAssessmentCodeType field in courseOfferings resource has been made optional.
- REST API allowed student post even without a valid Student Unique ID, which is fixed in the new release.

❖ In Progress:

- GetByExample with invalid StudentId brings all records back for that district. This is an Ed-Fi bug.
- LocalCourseTitle and LocalCourseCode are not available in course transcript resource.
- Researching Performance issues with sandbox

API 3.0 Scope – Ed-Fi 2.1

REST API Changes

students

- CityOfBirth renamed to BirthCity
- BirthCountryCodeTypeId changed to BirthCountryDescriptorId
- StudentIdentificationSystemTypeId changed to StudentIdentificationSystemDescriptorId
- Removed EffectiveDate, PrimaryNightTimeResidenceDescriptorId, PreviousSchoolStateAbbreviationTypeId

staffs

- StaffIdentificationSystemTypeId changed to StaffIdentificationSystemDescriptorId

courseOfferings, sections, sessions, studentSectionAssociations, staffSectionAssociations

- Added new fields: UniqueSectionCode, SequenceOfCourse
- TermTypeId changed to TermDescriptorId

calendarDates

- EducationOrganizationId changed to SchoolId

API 3.0 Scope - Calendar

REST API Changes

Calendar

- LEA data entry via the Enterprise Calendar Web Application is obsolete
- Submission via REST API from SIS calendar
- Submission using calendarDates API resource
- Still working out some requirements with School Finance such as
 - Submission Period
 - Reports
 - Integrity Rules

API 3.0 Scope – Student Association

REST API Changes

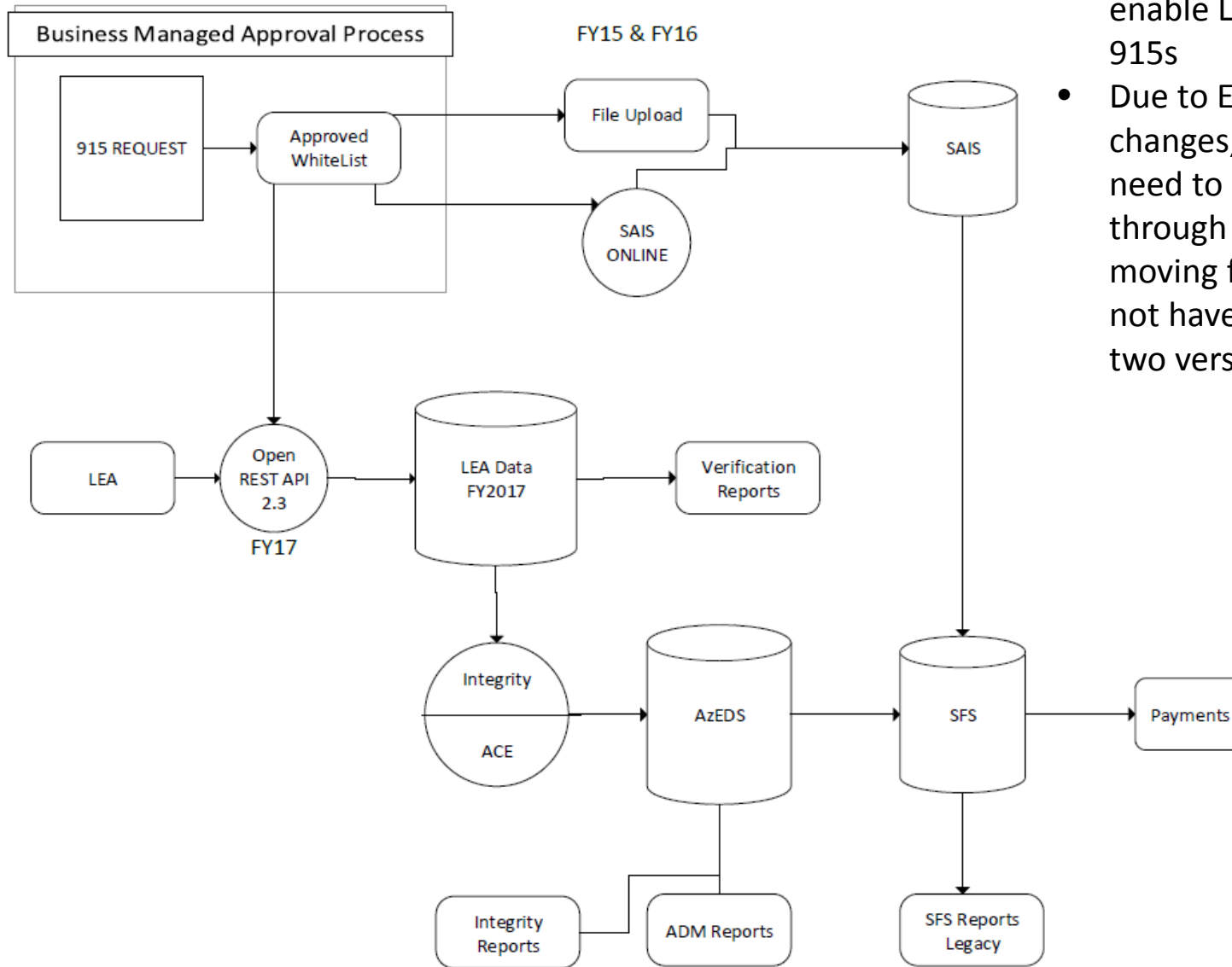
student SchoolAssociationLocalEducationAgencies

- New resource replaces studentEducationOrganizationAssociations
- In current version of the API, studentSchoolAssociations and studentEducationOrganizationAssociations are unrelated and that causes data integrity issues for downstream applications
- New resource will have a reference to studentSchoolAssociation, thereby improving data integrity
- Allows for associating one or more funding Ed Org IDs to an Enrollment, similar to FTE or TuitionPayer

API 3.0 Schedule

Feature & Environment	Target Date
AzEDS 3.0 in Sandbox (w/o calendar) <ul style="list-style-type: none">• Ed-Fi 2.1 changes	01/02/2017
Calendar API in Sandbox	02/23/2017
AzEDS 3.0 in LEA UAT	03/17/2017
AzEDS 3.0 LEA UAT Sign-Off (Min 1 LEA per Vendor)	06/16/2017
AzEDS 3.0 in PROD	06/30/2017

915s for AzEDS



- Approval process to enable LEA to submit a 915s
- Due to Ed-Fi Schema changes, FY17 915s will need to be submitted through API v2.3; then moving forward should not have to support two versions

AzEDS KNOWN ISSUES & STATUS



AzEDS Known Issues List SAMPLE

- Integrity known issues:
 - SPED Rules – 40044, 40061, 40067, 40057 all fixed and ready to be released (holding a couple days to ensure Data Push for February is complete first)
FIXED
 - Drop Out Recovery rule – 80028, some are students are failing even with correct data **Target 2/23**
 - Membership Rule – 10081, students who re-enroll in same school
Target 2/16
 - A handful of students are impacted by bugs with following rules – 10120, 20017 **Target 2/23**
- Fed SPED – additional existing rules will be included in the Fed SPED de-duplicated student count **In progress, by 2/23 at latest**
- ADM Interval issue for students having gaps between enrollment dates
(QA started; target early March)
- SPED72 – display issue, additional incorrect schools displaying in dropdown
Target 2/16

AzEDS Report Performance Plan

1. Establish baseline- COMPLETE, ongoing
2. Upgrade AzEDS Database Servers to SSD – improves I/O; will see some improvement after this change – IN PROGRESS
3. Reports classified into 2 categories – approach *can be* executed in parallel:
 - Daily – Integrity, ADM
 - Real Time – Verification and Transaction Reports

Report Classification	Timeframe	Duration	Performance Improvement Approach
Real Time (Transactional, Verification)		tbd	<ol style="list-style-type: none">1) Code Review and identify Queries to performance tune – verification reports (prioritize reports) 1st Report – STUD102) Relook at Transaction Log and define new approach – e.g. exports but not render in SSRS or if do BATCH only <p>** since transactional; to support performance needs, don't index</p>
Daily (Integrity, ADM)		2 Sprints	Create separate environment (new domain) with indexing to improve performance

Q&A & Wrap Up

- ❖ Questions for Vendors
 - 915 Process – how are they planning to handle?
- ❖ Next Meeting – Early May, in Person