



Access 4 Learning Community

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NEWSLETTER

March 2020

IT'S TIME TO FOCUS ON USING DATA TO IMPACT LEARNING...

IN THIS ISSUE

Stay safe has a new meaning...

by Larry Fruth II, PhD – Executive Director / CEO

The most important first item to note in this quarter's newsletter is just that – stay safe! It is a phrase many of us throw around during our normal meet-and-greets each day, but the current COVID-19 caution messaging and public responses has given the salutation a whole new meaning!

So, while we all need to follow the current safety recommendations and suggestions to all keep sane during the limiting of our public interactions, I would challenge you and your organization to think about possible opportunities these challenges could be presenting. On the highest level, I hope that it brings us together globally to take on this invisible enemy. On a targeted scale I think there is a real opportunity to mature the conversations around technology's role in educating our youngest citizens.

While I was the State Ed Tech Director for Ohio, I routinely warned my peers that we collectively have to have a better story than “Teacher

XYZ can go online and have her kids see kids in XYZ country as they study” or we will never get the importance of technology in school “sold” to legislators, parents and the general public. I think now we have golden opportunity to show how technology is not a “component” of learning but is a vital cog - along with the teacher - in allowing for anytime, anywhere learning.

So, what does it mean for our Community and this Newsletter? A foundation to allow for the virtual learning, publicly and now even legally demanded, is the work this Community has undertaken for the past 23 years – interoperability and privacy! Very quickly students, teachers, administrations, and even parents are going to be asking the questions our Community has been trying to address: “Why doesn't this stuff just work?”. Hopefully we know we have a lot of answers to that question – but there is a LOT more to do.

Stay Safe!



Global Community News

What's in a name?; Welcome new members!; Working Across Standards; Membership Pricing Changes; A fresh look at the SIF Infrastructure; Community Survey – we would love your feedback!; and SIF Certification News

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Global Community News



What's in a name?

Over the past several years, the A4L Community has worked hard with the SIF Specification releases, to separate the data model from the infrastructure, as well as support our different locales around the world. This means there are more options than ever!

However, we have been hearing a few questions regarding the nomenclature around recent Specification releases, and confusion over which versions are available... As a result, it is best that we write and talk about these various options as clearly and consistently as possible to reduce confusion in the marketplace and ensure that we are all referring to the SIF Specifications in the correct manner...

Before using any of these abbreviations or alternatives, please baseline them for your audience starting with their official titles.

SIF Infrastructure Implementation Specification 3.3

Commonly referred to as the *Global SIF Infrastructure*, it is the underlying transport mechanism that moves each locales Data Model.

SIF Data Model Implementation Specification (North America) 4.0

Commonly referred to as the *Unity Data Model Specification*, *Unity Specification* or *Unity Data Model*. This is the latest Data Model release from the North American A4L Community.

SIF Data Model Implementation Specification (Australia) 3.4.5

Commonly referred to as the *Australian SIF Data Model*. This is the latest Data Model release from the Australian A4L Community.

SIF Data Model Implementation Specification (United Kingdom) 2.0

Commonly referred to as the *UK SIF Data Model*. This is the latest Data Model release from the United Kingdom A4L Community.

If you have questions or input, please reach out to [Penny Murray](#), Community Director or [John Lovell](#), Technology Director.

Welcome new members!

Student Data Privacy Consortium (SDPC) members:



ClassLink



FinalForms



InnerOrbit



Remind



RYCOR



Tennessee Educational
Technology Association (TETA)

A4L Community & SDPC member:



North Carolina Department
of Public Instruction

Working Across Standards

The Access 4 Learning Association Board of Directors 4 years ago set the course for the Community to “work on solutions development – no matter where the solution comes from”! While SIF Specifications are laser targeted on some of the critical administrative and instructional tasks going on in every school across the globe each day, there are other technical blueprints focused on functionality not in our purview.

Since the SIF Specifications development is driven by end users and/or vendor use case challenges, we have to be well informed of other technical



organizations in the space that could provide broader functionality options. A4L has recently made public an initial partnership with the Post-Secondary Electronic Standards Council (PESC) and HR Open Standards to

collaborate on numerous issues including governance, specification development and mapping, communications and pilot planning. This is a GREAT initial group and conversations with Advanced Distributed Laboratory (ADL) and their SCORM, xAPI, etc. possibly being added to the mix to provide solutions to developers and technology users. This is an open group that any standards groups could join as the pilot work is underway to support the recent White House/Chamber of Commerce’s Individualized Learning Record (ILR) work.

Membership Pricing Changes

NEWS: *A4L Community & SDPC – Changes to Membership Pricing Structure*

On February 3, 2020, the A4L Community published changes to the membership pricing structure. This follows feedback from our Community members, and we hope this will enable additional vendors to join the growing Consortium... most members will actually see a drop on their membership dues!

Membership Category	A4L Community membership			Student Data Privacy Consortium (SDPC) membership	Joint A4L & SDPC membership
	Australia	North America	United Kingdom		
Vendors: \$0 - \$0.75 million	\$1,000 <i>(approx \$1,400 AUD)</i>	\$1,000	£775	\$1,000	\$2,250
Vendors: \$0.76 - \$1.9 million	\$2,000 <i>(approx \$2,900 AUD)</i>	\$2,000	£1,500	\$1,000	\$2,250
Vendors: \$2 - \$3.9 million	\$3,000 <i>(approx \$4,250 AUD)</i>	\$3,000	£2,250	\$1,500	\$4,000
Vendors: \$4 - \$7.9 million	\$5,000 <i>(approx \$7,300 AUD)</i>	\$5,000	£3,800	\$2,500	\$7,000
Vendors: \$8 - \$10.9 million	\$6,000 <i>(approx \$8,750 AUD)</i>	\$6,000	£4,500	\$5,000	\$10,000
Vendors: \$11 - \$50.9 million	\$7,500 <i>(approx \$10,900 AUD)</i>	\$7,500	£5,700	\$7,500	\$14,000
Vendors: \$51 - \$250.9 million	\$10,000 <i>(approx \$14,600 AUD)</i>	\$10,000	£7,600	\$10,000	\$18,000
Vendors: \$251 - \$749.9 million	\$15,000 <i>(approx \$22,000 AUD)</i>	\$15,000	£11,400	\$15,000	\$27,500
Vendors: Over \$750 million	\$25,000 <i>(approx \$36,500 AUD)</i>	\$25,000	£19,000	\$30,000	\$50,000

A fresh look at the global SIF Infrastructure

SPECIFICATION: The SIF Infrastructure Specification



The A4L International Technical Board (ITB) is identifying work on a possible new approach to documenting the global SIF Infrastructure Services. The goal is to address any perceived complexities of the current documentation leading to possible misconceptions about how the infrastructure can be used.

Feedback from users indicate that having interfaces defined by the standard for supporting services is very helpful, however, those services should

be portrayed as individually implementable by service providers, rather than requiring overarching comprehension, for use in commercial products or when created in-house. The strategy may include modernizing the infrastructure via a set of highly structured RESTful API Descriptions, each clearly defined in terms of its role, responsibilities and required external interface.

More to follow in due course.

Community Survey: We would love your feedback!

We are evaluating usage of the A4L-SDPC Community Site and would appreciate your time to answer some questions in this survey.

The online Community allows A4L Community & Student Data Privacy Consortium (SDPC) Members to connect, learn from each other as well as share their thoughts knowledge, insights, success and challenges. The A4L Community & SDPC, promote collaboration, information exchange, the sharing of effective practices and supportive resources across the

boundaries of time, distance, and organizational hierarchies.

We are focusing our efforts on **IMPROVING** a few key areas of the site to further Community engagement and support. We are not looking to replace/change our Community Site.

To access the survey, Members should [login](#) to the Community Site and click on the link from the 'My Feed' profile page.

The survey will be open until COB on Friday, March 27, 2020.

SIF Certification News

The Access 4 Learning (A4L) Community is happy to announce the latest SIF 2 Enabled Application to pass SIF Certification Program - [Infinite Campus](#) by Infinite Campus.

To find out more about the SIF Certification Program, please visit the [website](#).



News from the Australian Community



Managing Information Risk

Australian's National Education Risk Assessment (NERA) process has kicked up a gear with all Australian State and Territory Education CIOs backing plans to expand and extend beyond the successful 2019 pilot. A revised 2020 vendor guide including updated assessment criteria and standards is now available with the expectation being set that over time all software vendors providing products or services to Australian schools will be required to participate in the assessment process.

NERA checks a product's compliance with a number of criteria across the security, privacy, interoperability and eSafety domains. Vendors participating include international vendors, US, AU, EU and NZ based organisations. The outcome from a NERA assessment is a school-targeted report which can be used by teachers and principals to help select safer products for use. Work is currently underway to determine a global fit including comparison with EU and US (e.g. NIST) requirements.



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SIF Data Model Implementation Specification (Australia) 3.4.6 now available!



The SIF Data Model Implementation Specification (Australia) 3.4.6 has completed its Community Review and was endorsed for release on March 6, 2020.

This release extends the domains of Finance and Well-being and incorporates JSON examples and a conceptual Data Model "in-line". It also

proposes an experimental TimeTableContainer Object which helps where an 'editor' or 'publisher' of some data in a particular domain needs to contribute to a source of truth, such as a jurisdictional hub.

Any questions, please contact [NSIP](#) directly.

Open Source Tools

During March the NSIP Team will be releasing an open source web-service component that will do round-trip conversions between SIF XML and the PESC format JSON, and an initial release of a privacy filtering/enforcement service.

These will be made available to the Community as Open Source and will be useful for integration development.

For more information please contact [NSIP](#) directly.



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News from the New Zealand Community



Welcome, welcome...

The A4L Community is delighted to confirm that New Zealand is our newest Community!

Currently being led by the Ministry of Education, the New Zealand A4L Community are about to publish their

first SIF Data Model Implementation Specification (New Zealand), which will be made available via the A4L website.

"We hope you will join us in welcoming our New Zealand friends into the Community" states Larry L Fruth II PhD,

CEO/Exec Director, A4L Community. "We are excited to support and help the Ministry of Education, NZ, grow our newest A4L Community."



The SIF Data Model Implementation Specification (New Zealand) release is imminent!



The SIF Data Model Implementation Specification (New Zealand) 3.0 represents three years of work by a team of data architects from New Zealand's government education agencies: The Ministry of Education, Tertiary Education Commission, and NZ Qualifications Authority, working in support of The Ministry's Te Rito data hub project. As a new locale the SIF NZ data model breaks new ground in a number of areas:

- It is the first locale SIF Data Model Specification that has been built from the ground-up with a focus on "all of life learning" and its data objects are tailored to support Early Childhood Education (ECE), K-

12 Schooling, and Tertiary Education.

- It is the first locale SIF Data Model Specification where the code set enumeration values and descriptions are recorded in two languages: English and Te Reo Māori, the second official language of New Zealand. This provides support for application providers whose products are used by schools that teach entirely in Te Reo Māori.
- It is the first locale SIF Data Model Specification where JSON is a first-class citizen, including JSON Schemas alongside the usual set of XML Schemas. In addition, the SIF NZ Data Model also includes a sample OpenAPI specification, defining GET, POST and PUT operations on each data object, with request and response bodies and examples in both XML and JSON.

"Stuart McGrigor's contribution to the ITB and other global groups has proven an amazing resource" states A4L Community Technology Director, John W. Lovell. "Stuart brings a lifetime's experience with computers and a commitment to practical solutions yet is open to current trends in technology and demands from the marketplace. These attributes make Stuart that rare technical person who can work on the details, while keeping the big picture and larger goals in mind. It is no wonder he is New Zealand's choice to lead its key interoperability and reporting efforts for its education system."

During 2020, the Ministry of Education will be working with their community of Student Management System (SMS) vendors who will be implementing SIF API calls to exchange data with The Ministry's Te Rito data hub "powered by SIF".

More information will be made available in due course...

News from the North American Community



A4L Community announce North American 2020 Leadership

NEWS: A4L Community announce NA 2020 Leadership

The Access 4 Learning (A4L) Community in North America is proud to announce the North American Management and Technical Boards for 2020. The Management Board brings a wealth of experience and knowledge in education, data management, technology and business acumen. The Board will oversee management of the SIF Specification and guide development of the A4L Community in North America as well as contribute to the development of strategies for the global Community.

Community members elected to serve on the 2020-2021 North American Management Board are:

- Michelle Elia, CPSI Ltd
- Allen Miedema, Northshore School District
- Mike Nutter, Vinson Consulting
- Ben Silberglitt, CedarLabs

These join fellow Community members who will serve the second of their 2-year term on the NA Management Board:

- Andrea Bennett, CITE
- Peter Drescher, Vermont Agency of Education
- George Gatsis, Follett School Solutions
- Jessica Kallin, Utah State Board of Education
- Jim McGlynn, Public Consulting Group
- Jay Pennington, Iowa Department of Education

In addition, the Community is delighted to welcome back Ross Santy, NCES as the US Department of Education Liaison, and Steve Smith, CIO Cambridge Public Schools MA as a representative of the

Student Data Privacy Consortium (SDPC) Governance group.

"I am thrilled to welcome this knowledgeable and influential group of thought leaders actively involved in supporting education data management, movement and utilization, to the North American Management Board for this coming term", touts Larry L Fruth II, PhD., Executive Director/CEO, A4L Community. "These volunteers are leading the education marketplace's maturation into real world solutions developing interoperability and data privacy for schools, states and marketplace providers across the country and the entire Community."

Also held were elections for the North American Technical Board, who provide the technical oversight for the SIF Specifications (North America). The elected 2020 North American Technical Board At-Large seats were:

- Alex Jackl, Bardic Systems
- Danielle Norton, Massachusetts Executive Office of Education
- Roger Petersen, Iowa Department of Education
- TQ White II, cmERDc



SIF Certification News

There is no denying that the transition to the Unity Specification in North America is rapidly becoming a reality. Because of this the Policy & Procedures group has updated the requirements around Certification.

A summary of the changes to the draft requirements are as follows:

- Consumers will not be required to create their own environment, but the call will still be supported.
- Changes Since support will be disclosed in the conformance statements and tested when present.
- Up level the Transport Layer Security (TLS) to version 1.2.
- Those using JSON will need to use PESC JSON.

The full draft product standard is available [here](#), however, this may be bundled into a master Unity Certification document in the future.

As these requirements help shape the development work of the Test Harness and Test Suite, this is one of the first steps being taken by the Community towards a Unity SIF Certification Program for North America.



UPDATE: Interoperability & Privacy Symposium

Thank you for supporting our decision to re-schedule the Interoperability & Privacy Symposium. It was a difficult decision to make knowing the impacts it may create, but one we hope keeps you all safer in this ongoing situation.

We have been in contact with all registered participants to advise that the new dates are **Monday, July 6 – Wednesday, July 8, 2020**, prior to STATS DC (July 8-10). We hope you will all be able to join us back in DC!

Please note:

- All registered attendees for March will be moved to the July 6-8, 2020 meeting dates
- Anyone who is unable to attend in July should notify [Penny Murray](#) by March 27, 2020 and we will provide a full refund.
- It is the responsibility of each delegate who has reserved accommodation for the March dates to either cancel or re-book.
- If you would like to re-book your accommodation, please call the Churchill Hotel (202-909-2352) and quote group code: 1024GW. The new rate is \$159+ taxes per night.
- Anyone with an outstanding invoice, who still wishes to attend in July, needs to make payment by the invoice due date (as normal processes apply)
- As we are extending the meeting duration (to July 6-8 from March 18-19), we guarantee no additional charges will be made on those who have already registered. We will endeavor to keep costs the same for any future registrants.
- Once we have identified how many places we have remaining, we will re-open registration if possible.

Should you have any queries, please do not hesitate to contact us.

Hope you all stay safe & well.

About the event: The Student Data Privacy Consortium (SDPC) and Access 4 Learning (A4L) Community, together with several Partners, will be hosting two days of “tactical” data interoperability and privacy conversations with real-world work products. While many are focused on managing the interoperability and privacy of student

data, only A4L is addressing both in the same place at the same time.

Audience: This event will be of interest to any/all School District and State Leaders committed to data privacy and data exchange. Keynote speakers include CEDS, Future of Privacy Forum, PTAC, Project Unicorn, SIIA, and

numerous state and local CIOs - all the major players including media!

Sessions on privacy complexities; setting a foundation for interoperability; working ‘Strategies’ session; an overview of Massachusetts ‘Data Hub’; as well as valuable takeaways for participants to implement in their own institutions!



Interoperability & Privacy Symposium
July 6-8, 2020

The Churchill Hotel, 1914 Connecticut Ave NW, Washington DC 20009

Invited Keynote speakers from CEDS, SIIA, Future of Privacy Forum, PTAC and the Student Data Privacy Consortium (SDPC).

Sessions on privacy complexities; setting a foundation for interoperability; working ‘Strategies’ session; an overview of Massachusetts ‘Data Hub’; as well as valuable takeaways for you to implement in your own institutions!

NEW DATES

NCES announces 2020 STATS-DC Data Conference

We hope you saw the announcement that NCES is accepting proposals from those who would like to present a session or be an exhibitor at the STATS-DC Data Conference to be held on July 8-10 in Washington, DC. In the past we have coordinated submissions relating to data identification, management, movement and privacy/security in the past and will again this year. We very

soon will be putting out a proposed list of sessions and we would love you to "raise your hands" to be a part so this Community is well represented! Deadlines to submit a proposal is Friday, April 3, 2020.

More details about the conference, including the hotel and registration details will be available at a later time.

If you are going to submit on your own session ***please let us know*** so we can address other topics, promote your session proposals and even help find co-presenters!

[More information >>](#)

NCES announce the release of CEDS Version 8

NEWS: NCES announce release of CEDS Version 8

The National Center for Education Statistics is pleased to announce the release of Common Education Data Standards (CEDS) Version 8 at: <https://ceds.ed.gov>

There are 14 new data element/property definitions, 136 updated elements, and 3 deprecated elements. In addition, 171 changes within the CEDS Domain Entity Schema (DES) have been made to make it easier for people to find element definitions or to reflect additional uses of those elements.

The release also includes updates to the CEDS Integrated Data Schema (formerly called the "Normalized Data Schema") and enhancements to the tools on ceds.ed.gov.

Version 8 includes updates that fall into the following categories:

- Competencies Domain (changes for clarity across use cases)
- Credentials Domain (updates and new properties to better align with the Credential Engine's Credential Transparency Description Language)
- Implementation Variables (to support data management use cases)
- ISO Language and Country Code updates
- K12 EDFacts (definition changes reflecting the latest regulations/guidance)

- K12 School Courses for the Exchange of Data Course Codes updates
- Native American tribal affiliation code updates
- Data Model Changes (to reflect changes to data definitions and support current implementations of CEDS)

Version 8 tool enhancements include:

- Data Dictionary Upload File (larger file sizes allowed, upload notifications, updated error messages)
- Map Data Formatted for Upload (larger maps downloadable, file type selection, download notifications, updated column headers)



News from the Student Data Privacy Consortium



Setting Student Privacy Common Expectations Between End Users and Marketplace Providers

Periodically we want the Consortium members to understand some “non best practices” and what they can do to avoid their, and even the overarching Consortium’s, possible future pitfalls. We will be highlighting these periodically to help add to your student data privacy effective practices library as well as provide updates on the Community’s expanding work that ideally you will want to be a part of in 2020!

The title of this section reiterates the overarching vision of the SDPC - and actually the A4L Community as well! It is critical in reaching this vision that these partners in learning understand their respective roles and responsibilities in keeping safe the information on our youngest citizens while always looking for best practices to follow. That is

where the SDPC is thriving. *We focus this Update on App Registry tool.*

Vendors Key Points:

- DO NOT edit the various Alliance agreements without indicating changes to customer
 - This means including using terminology along the lines of “modelled after....” or promoting the agreement as a “SDPC Agreement” but must adhere to your Alliance Agreement if one is in place.

End Users Key Points:

- POST ONLY agreements on the Registry labelled as “Alliance Agreement Name #”, “Vendor

Specific Agreement”, “District Modified”, or “Declined”.

- If any modifications occur, please note on Registry modification name i.e. “Modified for XYZ reason”

More and more agreements are going up each day on the Registry and it is being accessed hundreds of time each day. Continuing this tool’s positive growth, protect agreements for providers and end users and reduce non-effective practices that could damage its usage are key focus areas for the Community. Looking to set those “common expectations” ...

[Check out the SDPC Update, Jan 2020 >>](#)

32million



Students supported by Tools

8700+



School Districts represented

4



Countries Collaborating on Privacy Issues

5332



Signed Vendor Agreements

4012



Applications in Database

8085



Signed “Piggyback” Exhibit E



In the News

North American A4L Community announce 2020 leadership – [click here](#)

NCES announce the release of CEDS Version 8 – [click here](#)

A4L Community & Student Data Privacy Consortium (SDPC): Changes to Membership Pricing Structure – [click here](#)

A4L Community Functional Group Meeting Schedule

<u>Day</u>	<u>Frequency</u>	<u>Group</u>	<u>Staff Liaison</u>
INTERNATIONAL			<i>meetings are shown/based on US Eastern time zone</i>
Tuesday	4 th Tues, quarterly	Association Board of Directors	Larry Fruth
Tuesday	2 nd Tues, monthly	Data Privacy	Penny Murray
Tuesday	Every 4 weeks	D3M	John Lovell
Wednesday	Bi-weekly	Infrastructure	John Lovell
Wednesday	Bi-weekly	Open Source Developers Network	John Lovell
Tuesday	4 th Tues, monthly	Policy & Procedures	John Lovell
Thursday	Every 4 weeks	International Technical Board	John Lovell
NORTH AMERICA			<i>meetings are shown/based on US Eastern time zone</i>
Wednesday	2 nd Weds, quarterly	NA Management Board	Larry Fruth
Wednesday	Bi-weekly	NA Technical Board	John Lovell
Thursday	Weekly	Unity Adoption Task Force	John Lovell
STUDENT DATA PRIVACY CONSORTIUM			<i>meetings are shown/based on US Eastern time zone</i>
Monday	4 th Mon, monthly	SDPC Vendor Task Force	Larry Fruth
Thursday	Bi-Weekly	SDPC Legal Task Force	Larry Fruth
Wednesday	1 st Weds, Qtrly (1 st month)	SDPC Governance	Larry Fruth
Wednesday	1 st Weds, Qtrly (2 nd month)	Consortium Updates	Larry Fruth
Wednesday	2 nd Weds, Qtrly (2 nd month)	SDPC Alliance Updates	Larry Fruth

A4L Community Members can find further information on each group on the collaboration area / A4L Community Site here.
(member log in required)



Facebook



LinkedIn



YouTube



Twitter (NA)



Twitter (UK)



Twitter (AU)

About the Access 4 Learning Community

There is no other global community made up of educational policymakers, marketplace product and service providers and the customers they serve, collaborating daily to address real word learning information and resource issues.

The Access 4 Learning (A4L) Community, previously the SIF Association, is a unique, non-profit collaboration composed of schools, districts, local authorities, states, US and International Ministries of Education, software vendors and consultants who collectively address all aspects of learning information management and access to support learning. The A4L Community is "Powered by SIF" Specifications as its major technical tool to allow for this management and access simply, securely and in a scalable, standard way regardless of the platform hosting those applications. The Access 4 Learning Community has united these education technology end users and providers in an unprecedented effort to give teachers more time to do what they do best: teach. For further information, visit <https://www.A4L.org>

Contact Us

Larry Fruth II, PhD Executive Director/CEO

Provides direction and leadership toward the achievement of the organization's philosophy, mission, strategy, and its annual goals and objectives. Support includes; Board Administration and Support, Program and Service Delivery, Financial and Human Resource Management, Community Relations and Fundraising.

lfruth@A4L.org

John Lovell Technology Director

Responsible for the support and the extension of functionality for the SIF Test Harness. He is the lead software developer for the Association and supports the on-going use of the Test Harness by developers of agents, adapters, ZISes and middleware.

jlovell@A4L.org

Penny Murray Community Director

Provides membership services, develops communications, supports member working activities including particular SIF implementations, organizational meetings and strategic partnerships to ensure initiative success.

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NEWSLETTER Issue 46

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