



June 2023

Focussing on the entire K-20 ecosystem

by Steve Smith—Interim A4L Leadership

Last month we held our annual Privacy & Interoperability Symposium in Chicago. With nearly 100 attendees, and a very full agenda, it was a great conference. The excitement about both the current work of A4L and the future of the organization was evident throughout. It was great to spend quality time in person with everyone that could attend. Keep an eye out for an announcement about a fall event in the near future.

Since our last newsletter lots has been happening behind the scenes. Members of the various A4L Boards have been meeting to develop a new governance structure and develop a path forward for new A4L leadership. A transition to the new governance model is now in process. The Global Education Security Standard V1.0 has been released and the global SIF Infrastructure Specification 3.6 has been through Community Review and [published today!](#)

Never before has our work at the intersection of interoperability and privacy been more important. The seamless and secure exchange of student data while ensuring that privacy obligations are both understood and met through common

expectations is vitally important to the entire K-20 ecosystem. There is, rightfully so, a lot of focus and resources being applied to cybersecurity within schools, but how often do we hear about data breaches of student data outside of the school environment? This is why A4L is focusing on the entire K-20 ecosystem including the sharing of data beyond the school environment. Ensuring the external providers of services that receive student data can receive the minimum amount of data required and understand & acknowledge their privacy and security obligations is crucial. *"Connecting & Securing Effective Learning Ecosystems"* K-20 is our common goal.

All of the A4L Community members play an important role in contributing towards reaching our goal. Whether your focus or area of interest is interoperability specs, data exchanges, legal privacy obligations, security controls, cyber security, or any combination of these, you are all contributing towards the common goal of supporting the K-20 student data ecosystem to be effective, secure and ensuring privacy.

Thank you for all the work you do towards these goals!

IN THIS ISSUE

Global Community News

Global SIF Infrastructure Specification 3.6 published; Welcome new members!; Scheduled Maintenance; Association Board of Directors confirmed for 2023-2024; Certification News; The Community Needs YOU!; Advance Notice: Bylaws coming into Community Review; and Community Project Team updates. [Page 2](#)

AU Community News

SIF Data Model Specification (Australia) 3.6.0 coming soon...!

[Page 6](#)

NA Community News

A4L Community announces North America Leadership for 2023; Overview: Privacy & Interoperability Symposium; and SIF Unity Specification - what's next?

[Page 7](#)

Student Data Privacy Consortium (SDPC) News

UPDATE: National Data Privacy Agreement (NDPA) v2; User Training Guides & Enhancements.

[Page 11](#)

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Global Community News

SIF Infrastructure Specification 3.6 (global) published

PRESS RELEASE: A4L Community Publishes Version 3.6 Of The Global SIF Infrastructure Specification Enhancing Quality Of Service And Ease Of Use For The Marketplace

About a year ago someone working on the state of Oklahoma's modernization project asked a rather profound question. "Is there a way to send a more specific error message back over the SIF Infrastructure?" At first, it did not seem important, but fortunately we asked them to explain why they wanted this capability. Architecturally, there isn't much need for the HTTP error codes to get specific enough to troubleshoot nearly all communication issues. The answer was one of those forehead slapping moments. "We want to reject a Student School Enrollment because they are already enrolled at a different school." Wow, they wanted to signal issues with the data over the SIF Infrastructure. Well, we are happy to announce that as of the release of the SIF Infrastructure Specification 3.6, you can!

To expand on the theme of follow-through, we have been working with the Common Education Data Standards (CEDS) group over the past couple of years to share our advances in 'on-the-wire' privacy. As part of this work, we have been trying to up our game around the Privacy Obligation Document (POD) to include consistent quality definitions for each unique term. A slightly simplified version of this work has been used to ensure that each POD field has a solid description attached to it, enhancing meaning and bringing greater clarity

around proper use of this cutting-edge capability. It is truly a blessing to be able to share the POD definitions with others without caveats or trepidation.

Finally, sometimes things get better independently of your efforts, and the bar must be raised to make the most out of them. This is the case with the ratification of OpenAPI 3.1 and how it empowers our Specifications to be quickly and easily implemented as an API. OpenAPI has many new additions, however the two that are most impactful to the A4L Community are XML examples and JSON Schema vocabularies alignment. With SIF Specifications being originally built on XML, there are many integrations around the world that use this as the format for everything they do. Having greater support for XML in our published OpenAPI resources means those building new software to work with these established environments have a modern alternative, especially if the broker has been upgraded to seamlessly accommodate the new along with old. Conversely, greater JSON Schema support means that moving

our data model following the PESC JSON standard has even better support through our published JSON Schemas.

All of this means it has never been more possible for you to quickly and easily implement SIF API features into your software using the tools you already develop in!

Congratulations to the A4L Community for the high-quality release that is the SIF Infrastructure Specification 3.6!

To view the press release, please [click here >>](#)

To view the SIF Infrastructure Specification 3.6, [please click here >>](#)



SIF Specifications

Welcome new members!



Grapevine-Colleyville ISD, TX



Lancaster-Lebanon IU13, PA



Madison County Schools, AL



Merced Union High School District, CA



Pasco County Schools, FL



Quizizz



Speakable Technologies



TAMES Health Resource Service Management

Scheduled Maintenance reminder

Our regular maintenance schedule is timetabled for the last Friday of each month.

Please be aware of the following scheduled maintenance that will be taking place over the coming weeks:

SDPC Resource Registry, SIF Test Harness and operational databases: Maintenance will take place from 8pm ET on Friday, June 30 until COB on Sunday, July 2, 2023.

We are sorry for any inconvenience that this may cause and advise you to plan your work accordingly.

Association Board of Directors confirmed for 2023–2024

The A4L Community is delighted to confirm the Association Board of Directors for 2023-2024 term:

- Ramah Hawley, The Education Cooperative (TEC)
- Tom Ingram, Escambia County School District
- Jim McGlynn, Public Consulting Group
- Stuart Mitchell, Education Services Australia
- Libbi Nelson, California IT in Education (CITE)
- Jay Pennington, Iowa Department of Education
- Martin Rothbaum, Ministry of Education, New Zealand
- Ben Silbergliitt, CedarLabs

As per the Bylaws: *The number of Association Board of Directors of the Corporation shall be made up of nine (9) representatives consisting of voting member representatives from each of the approved Management Boards.*

We appreciate the involvement and commitment to the Community of these Board members, as we move forward with our governance restructuring.

The full list of Board of Directors, and Management Board members can be found on the A4L website [here](#).

Certification News

by John Lovell, Technology Director

It was December of last year, while we were working on updating the documentation for those needing SIF 2 Certification, when we discovered a glitch. Something in the stack of dependencies that runs the Test Harness had updated and broken the scripts that drive the individual tests used to demonstrate and verify proper behavior. The good news was that Staff had noticed first. The bad news was that 2023 is the year that all currently SIF 2 Certified products must upgrade to at

least SIF Data Model Implementation Specification (NA) 2.7 Migration or forgo Certification, ensuring we would soon have an influx of activity that we could no longer support.

Fast forward to today and we not only have things working again, but Follett who worked closely with us during the process of restoring service has successfully completed the 2.7 Test Suite. Congratulations to the Aspen Student Information System team and Follett School Solutions. Other vendors are using it and we have updated documentation for any premium members wanting to test and optionally SIF Certify their software. We are furthermore happy to report that response time for issues and support is back down to normal levels. Finally, we are listening to states and integrators about how to best introduce SIF Certification for SIF Unity.



ADVANCE NOTICE: Bylaws for Community Review

As we continue working hard behind the scenes, work is ongoing to revise the A4L Community Governance Structure, and with this, revisions are being made to the Association Bylaws.

Once the revisions have been approved by the Association Board of Directors, they will then be put into a Community Review for a couple of weeks. All Community members will be invited to provide feedback on the Bylaws. This feedback will then be reviewed by the Policy & Procedures Committee, with possible further edits to the Bylaws before they are presented back to the Association Board of

Directors for approval and publication.

Whilst not wishing to delay this process, the Community members involved are taking the necessary time to ensure the best draft is put out to Community Review.

An email notification will be sent out to all Community Members when the Bylaws are available for review, and we encourage everyone to review and provide feedback where necessary.

Any queries, please do not hesitate to contact Community Director, [Penny Murray](#).

YOUR Community Needs YOU!

As you may have read in the introductory article, the A4L Community is entering a new phase in its existence, which we are REALLY excited about!

As a membership organization, there are two key components to our survival ...

- the **income** generated by membership dues (our only source of funding) which enable us to develop our Specifications, enhance the SDPC Resource Registry, and provide additional tools and resources for our members

PLUS, and most important...

- our league of **volunteers**! Without member engagement and participation in our locale & global Project Teams, Management Boards and Technical Boards we would not function.

So, as we enter this new phase, please assess your participation and consider joining one of the many Project Teams **that need YOU!** Further details of current group activities can be found on [page 5](#).

If you are not sure where to get 'plugged in', feel free to drop our Community Director, [Penny Murray](#) an email—we'd be happy to help!



Community Project Team Updates

GLOBAL

Association Board of Directors: The newly convened Association Board of Directors recently met to continue the discussions around the proposed new Governance Structure and revisions to the Association Bylaws.

International Technical Board (ITB): The ITB over the last three months has overseen the combination of technical work from more than one group to bring together SIF Infrastructure Specification 3.6.

Infrastructure: The Infrastructure Project Team's main contribution to SIF Infrastructure Specification 3.6 has been the inclusion of richer error messages.

Data Model, Mapping & Migration (D3M): The D3M contributed to SIF Infrastructure Specification 3.6 by doing a review and the international submission of the more complete descriptions included in the Privacy Obligation Document (POD).

A4L Data Privacy: The Data Privacy Team is currently looking for new leadership. If you are interested in taking a more active role in Technical Privacy guidance, please contact [Penney Murray](#), Community Director.

Open Source Developers Network (OSDN): The OSDN has been adding to the quality of our specifications by bringing together those who do the work with other community members to collaborate, refine, and reuse common tooling.

AUSTRALIA

AU Management Board (AUMB/SIFAAMB): The AU Management Board are discussing updates on AU

activities.

AU Technical Board (AUTB/DSWG): The AU Technical Board recently met to approve the next release of the SIF Data Model Implementation Specification (AU).

NORTH AMERICA

North American (NA) Management Board (NAMB): The current focus for the NA Board is on strategic direction setting for the continued development and delivery of a marketing plan. They have agreed to hold joint calls with the SDPC Management Board for the remainder of the year.

North American (NA) Technical Board (NATB): The NATB has made some hard decisions to set the scope of their next release and eagerly await a first draft from Staff.

Unity Adoption: The Unity Adoption team is working to flush out a first draft of their paper around the ideal implementation of Grade Pass Back using SIF Unity.

CEDS Alignment: The CEDS Alignment team did much of the work for the new descriptions found in the Privacy Obligation Document (POD) while working to contribute a domain around privacy to CEDS!

State Requests: While the State Requests Team always puts inquiries first, they also find time to consider the scope of the next release of SIF Unity helping to drop features that are not currently needed.

STUDENT DATA PRIVACY CONSORTIUM

SDPC Management Board (SDPCMB): The group have agreed to

hold joint calls with the NA Management Board for the remainder of the year.

SDPC Alliance Leadership: The Alliance Leadership group continues to meet bi-weekly to discuss any issues and questions that arise for Alliance Admins.

Global Education Security Standards (GESS) Project Team: See [page 9](#) for update.

NDPA Policy, Procedures & Usage (PPU): The NDPA PPU group is currently on hold while changes/revisions are proposed for the NDPA v2.

Legislative Activity & Research Data Sharing Agreement: These groups are currently placed on 'pause'.

Resource Registry Roadmap (R3): This group continues to review SDPC Resource Registry performance enhancement suggestions and plan the development pipeline for the Registry.

SDPC Vendor: Group members have submitted their proposed changes for the NDPA v2 and are back on their quarterly meeting schedule.



News from the Australian Community

SIF Data Model Specification (Australia) 3.6.0 coming soon...

The SIF Data Model Specification (Australia) 3.6.0 has been approved by the Data Standards Working Group and will be published in late June to coincide with the release of the updated SIF Global Infrastructure. This is a breaking version of the SIF Data Model Specification (Australia), as it renames the demographic Sex element to Gender, bringing the SIF Specification in line with practice throughout the education sector. Several other enhancements to the model are incorporated, including clarification and enhancement of event scheduling and calendar use.

The new SIF Specification release additionally features a fully debugged and tested version of the Australian data

model in OpenAPI v3.0.3. These enhancements have also been rolled out to the [SIF Infrastructure Specification 3.6 release](#), and the OpenAPI format integrates infrastructure and data model into a single implementation format. Adding OpenAPI as a format allows the SIF Specification to be published and locally deployed using contemporary approaches to API develop-

ment. In the process of realising the OpenAPI format, several long-standing issues with mapping XML to JSON have been remedied. The OpenAPI version of the SIF Specification is already being used by the NSW Department of Education, as part of their infrastructure refresh and move to JSON.



SIF Specifications

News from the North American Community

A4L Community announces North American Leadership for 2023

PRESS RELEASE: A4L Community Announces North America Leadership for 2023

Washington, DC, 25 May 2023— The Access 4 Learning (A4L) Community in North America is proud to announce the North American Management and Technical Boards for 2023. 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 2023-2024 North American (NA) Management Board for a two-year term are:

- Libbi Nelson, CITE (California IT in Education)
- Jay Pennington, Iowa Department of Education
- Jennifer Sauro, Infinite Campus

Due to the level of interest in serving on the Management Board, the current NA Management Board also opted to offer the following candidates a one-year term:

- Patrick Devanney, ClassLink
- Christopher Head, MobileServe
- Donato Latrofa, Incident IQ
- Jim McGlynn, Public Consulting Group

These join fellow A4L Community members who will serve the second of their 2-year term on the NA Management Board:

- Michelle Elia, CPSI Ltd
- Ray Girdler, Arkansas Department of Education
- Allen Miedema, Northshore School District
- Ben Silbergliitt, CedarLabs
- Jeff Simons, WSIPC

In addition, the Community is delighted to welcome back Ross Santy, NCES as the US Department of Education Liaison.

Also held were elections for the North American Technical Board, who provide the technical oversight for the SIF Specifications (North America). The elected 2023 North American Technical Board At-Large seats were:

- Eric Levy, Cambridge Public Schools
- Jason Martin, Incident IQ
- Roger Petersen, Iowa Department of Education

"I am delighted to welcome this influential group of educational marketplace leaders who are actively involved in supporting education data management, movement and utilization, to the North American Management Board for this coming term", states Steve Smith, Interim A4L Leadership. "It is very encouraging to have such interest in serving plus a wealth of experience on the NA Management Board for the coming term and we look forward to developing our collective vision in 'Connecting and Securing an Effective Learning Ecosystems'™ across the country and the entire Community."



Overview: Privacy & Interoperability Symposium

The Access 4 Learning (A4L) Community was proud to host its 2nd Annual Privacy & Interoperability Symposium providing two days of “tactical” data privacy and interoperability conversations in Chicago, IL during May 2023.

Several Boards (including NA Management Board, NA Technical Board, SDPC Management Board and invited global representatives) met prior to the main Symposium for a Strategic Board Meeting. With so much going on behind the scenes in the A4L Community, it was invaluable for these key members to meet face-to-face and discuss various issues, including the Community reorganization and restructure, discussing key Association Bylaws proposed changes, aligning leadership roles with Community needs, discussing what A4L requires from its leadership and reviewing partnership opportunities. The main outcome of this meeting was the reformation of the Association Board of Directors, who will oversee all Community activities and align global strategies. The Association Board of Directors can be found on the A4L website [here](#).



Following the Strategic Board Meeting, the Symposium started with our ‘Social Networking Evening’ providing attendees with a chance to meet each other in an informal setting and start making connections before the main event got underway!

Day One was a packed day, starting early with introductions, and a strategic direction update presented by Steve Smith, Ben Silberglitt and Alex Jackl. Steve also announced the results of

the recent NA Elections (see [page 7](#)). This was followed by a lively moderated conversation on ‘Privacy or Interoperability? Which takes priority when balancing the needs of educators and students’ between Ross Santy, NCES and Ross Lemke, PTAC; an overview of Data Standards United (DSU) and how the A4L Community is working with other standards bodies; a presentation by Eric Levy & Lisa Waters, Cambridge Public Schools on ‘District Level Privacy by Design’, providing an example of a district leveraging the SIF Specification, an integrator, multiple standards, in-house development and the SDPC Resource Registry to create a robust and secure data exchange ecosystem; and a session, presented by Chloe Sanducci, InnovateEDU, on Using the Project Unicorn Interoperability Rubric to your advantage. The morning general session concluded with a special announcement on the release of version 1 of the Global Education Security Standard (GESS) – see [page 11](#).

(Continued on page 9)



Overview: Privacy & Interoperability Symposium

(Continued from page 8)



The afternoon of Day One was split between privacy and interoperability sessions including 'Supporting Student Data Privacy: A Ten Step Approach to Success; Developing a Multi-State Data Privacy Program; Solving SEA and LEA interoperability needs with one cloud-native platform; an update on the National Data Privacy Agreement (NDPA) version 2 development; A Modern Approach to Data Certification; Vendor

Considerations for IT security; A session highlighting the Iowa Transcript Exchange; and finishing with a panel discussion, consisting of SDPC Alliance leaders from across the country, highlighting best practices for SDPC Alliance Management.

Day Two started with a general session on the Global Education Security Standards (GESS) and Privacy Obligation Documents (PODs), then split briefly into two tracks focussing on privacy and interoperability, including sessions on a deeper dive into PODs; Common Education Data Standards (CEDs) and the SIF Specifications; the next steps for the A4L Specification; and a session on the SDPC Resource Registry: what does it look like moving forward? Attendees then came back together for one final general session on the global future of privacy and interoperability before the Symposium closed for 2023.

A big thank you goes out to our Presenters for their guidance, enthusiasm and leadership; AND a big thank you to all the attendees for your enthusi-

asm, involvement and commitment to the Community. Without all of this, the Community would not be making the progress we currently see.

Any finally, if you are a member, don't forget to sign-up to any/all Project Teams (via the Community Site) and get involved!

All presentation slides can be found in our [Presentation Archive](#).



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SIF Unity Specification: what's next?

In our last newsletter we shared the seven areas the North American Technical Board (NATB) was considering addressing in the SIF Data Model Implementation Specification (North America) 4.4.

Since then, a lot of conversations have happened within project teams, opinions have been sought from states and experts, and the NATB has seen to it that the work has been done for Staff to create a draft that addresses the following.

- CEDS Mappings
- JSON Documentation
- OpenAPI
- Clarity around Deprecation

It was very tempting to keep the other three areas proposed, as they would have been the easiest to include and promote. However, we discovered that there are more modern ways to address most of them, either already in place or being piloted by other standards bodies and their members. Additionally, we realized that while

great work had been done in these additional areas, no one was asking us for them. Eventually, it became clear that focusing on being a quality example of a data model moved over the global SIF Infrastructure Specification was the best place to put our efforts.

To that end we are currently developing tools to better check our inputs and outputs and make sure that subtle issues are less likely to be missed. This mostly stems from two areas: stricter inputs needed for the creation of valid JSON documentation and OpenAPI generation; plus a dependence on XML examples for clarity and

regression testing.

Now we have a solid plan for creating SIF Data Model Implementation Specification (North America) 4.4. However, a job of higher quality is going to take a little longer than we are used to. If we had to guess, we would ask you to be prepared to contribute to Community Review when the Fall A4L Newsletter hits your inbox.

Any questions regarding the SIF Specifications, please contact [John Lovell](#), Technology Director.



News from the Student Data Privacy Consortium

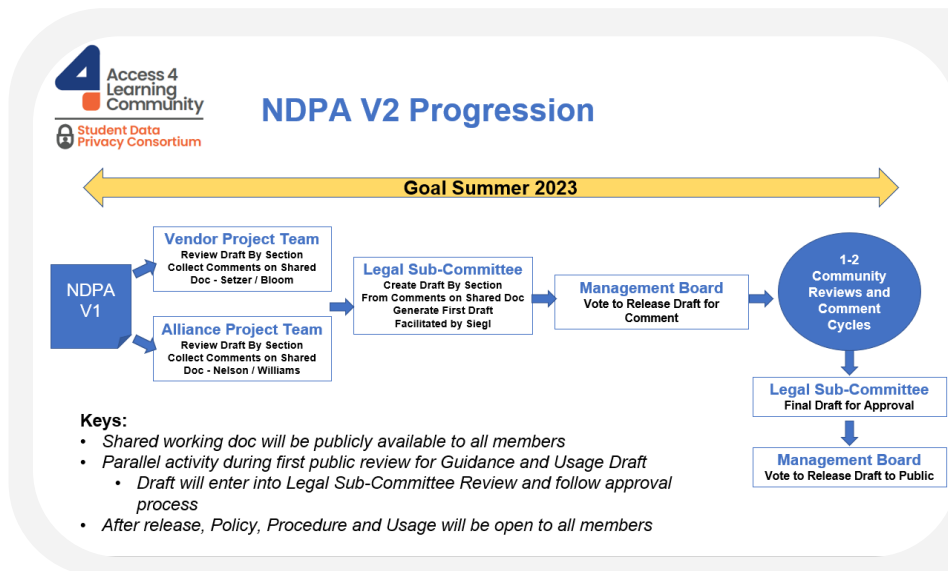
UPDATE: National Data Privacy Agreement (version 2)

Work is ongoing drafting the National Data Privacy Agreement (NDPA), version 2.

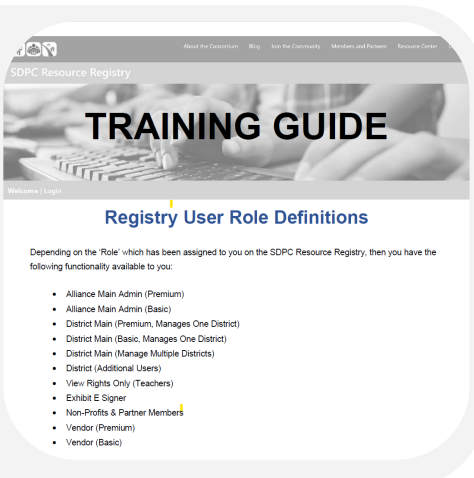
The SDPC Legal Project Team (NDPA v2 Sub-Committee) representatives are making great progress with combining suggested edits from the vendors and alliances into a new NDPA V2 draft. So far there have been no roadblocks.

We are optimistic that in the next couple of weeks, the first draft of the NDPA V2 will be put out into Community Review for comment.

Any queries regarding this process, please contact [Penny Murray](#), Community Director.



SDPC Resource Registry: Enhancements and Training Guides



The SDPC Resource Registry Roadmap (R3) Project Team have been working hard to review and approve the enhancement suggestions submitted through the Support Portal to improve the SDPC Resource Registry.

A4L Community members & Registry Users can review these enhancements by going to Help > Registry Enhancements when logged into the SDPC Resource Registry.

In addition, Staff have been working to provide Training Guides to help new

(and experienced) users navigate through the Registry. Again, these can be found Help > User Trainings. In particular, our newest guides include:

- Alliance Admin Dashboard 101
- District Admin Dashboard 101
- Registry Role Definitions

If you have any enhancement or training guide suggestions, please submit them through the Support Portal (Help > Report an Issue or Help > Registry Enhancements) or email us at support@A4L.freshdesk.com.

Community Meetings Schedule

<u>Day</u>	<u>Frequency</u>	<u>Group</u>	<u>Staff Liaison</u>
GLOBAL			
<i>meetings are based on US Eastern time zone</i>			
Tuesday	2 nd Tues, monthly	Data Privacy	Penny Murray
Tuesday	4 th Tues, monthly	Policy & Procedures	John Lovell
Wednesday	Bi-weekly	Association Board of Directors	Steve Smith
Wednesday	Bi-weekly	Infrastructure	John Lovell
Thursday	Bi-weekly	Open Source Developers Network	John Lovell
Thursday	Every 4 weeks	International Technical Board	John Lovell
NORTH AMERICA			
<i>meetings are based on US Eastern time zone</i>			
Monday	Bi-weekly	State Requests	John Lovell
Tuesday	1 st & 3 rd Tues, monthly	Unity Adoption	John Lovell
Wednesday	3 rd Weds, monthly	NA Management Board	Steve Smith
Thursday	1 st & 3 rd Thurs, monthly	CEDS Alignment	John Lovell
Thursday	2 nd & 4 th Thurs, monthly	NA Technical Board	John Lovell
STUDENT DATA PRIVACY CONSORTIUM			
<i>meetings are based on US Eastern time zone</i>			
Tuesday	1 st Tues, Qrtly (3 rd month)	SDPC Resource Registry Roadmap (R3) Project Team	Penny Murray
Wednesday	3 rd Weds, monthly	SDPC Management Board	Steve Smith
Thursday	Bi-weekly	Alliance Leadership	Penny Murray
Thursday	4 th Thurs, monthly	Global Education Security Standards (GESS)	Steve Smith
Thursday	Bi-weekly	Legal Project Team (NDPA v2 Sub-Committee)	Penny Murray
Thursday	1 st Thurs, Qrtly (2 nd month)	Vendor Project Team	Penny Murray

Connect with us!

Access 4 Learning (A4L) Community



Student Data Privacy Consortium (SDPC)



About the Access 4 Learning Community

The Access 4 Learning (A4L) Community, and its special interest group the Student Data Privacy Consortium (SDPC), is a unique, non-profit collaboration composed of schools, districts, local authorities, states, US and International Ministries of Education, software vendors and consultants. The Community is “Powered by SIF” as its major technical tool to help manage learning data simply, securely and in a scalable, standard way regardless of platform. The SDPC is designed to address the day-to-day, real-world multi-faceted issues faced when protecting learner information by setting common expectations between market providers and end users. The A4L Community has united these education technology end users and providers in an unprecedented effort to **“connect and secure effective learning ecosystems”** to give teachers more time to do what they do best: teach.

For further information, visit <https://www.A4L.org>

Contact Us



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Alex Jackl
Interim A4L Leadership



John Lovell
Technology Director

Provides technical leadership and as the primary resource for all things technical – from internal IT support to driving the global community efforts state-wide, nationally and internationally focused on both technical specification development and privacy support.

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Penny Murray
Community Director

Provides leadership and ownership over providing “value-add” for members and potential members of the Association. This position gauges all aspects of member services including communications, marketing, support member working activities, organizational meetings and strategic partnerships to ensure initiative success.

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