

日本1EdTech協会
テクニカルブリーフィング
(第9回)

2024年 12月 16日

Feedback from



Member Meeting

FALL 2024

Nov 12-14

North Charleston, SC

- 1EdTech トピックス

(50分)

- OneRoster Japan Profile進捗報告 (10分)

)

- 質疑応答、フリーディスカッション

(30分)

- 年4回のイベントのひとつ
 - Learning Impact (6月)
 - Learning Impact Europe (10月)
 - Member Meeting (11月12～14日)
 - Digital Credential Summit(3月)

昨年の名称は
Fall Technical Meeting



- 参加者
 - 143名
- セッション
 - 38



Technical Experts だけでなく様々な役職向のセッション

	分類なし	For Everyone	For Education Leaders	For Product Leaders	For Thought Leaders	For Technical Experts	For Policy Gurus
Boot Camp				2		2	
By Invitation Only	1						
General Session		4					
Open Discussion		2	1	1	1	2	1
Panel/Roundtable	1	1					
Presentation	1	5	8	3	2	4	3
TACL Professional Certification	3						
Technical Meeting		1				2	
Workshop		1	1	1		1	
合計	6	14	10	7	3	11	4

- AI Data Specification and Rubric Work Update
 - Lorne Rodriguez, Chicago Public Schools

- Establishing Conventions for Exchanging AI-Generated Content
 - Joe Gehling, Educational Testing Service
 - Kim Varnell, World-Class Instructional Design and Assessment (WIDA)
 - Thomas Hoffmann, 1EdTech
 - Susan Haught, 1EdTech

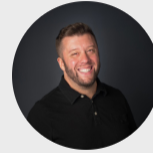
Japan Product Steering Meeting / 日本メンバーからの発表

1. Japan Product Steering Meeting
2. Rostering Project Group
3. LTI Work Group
4. 1EdTech Around the World

Rostering Project Group

11月13日開催

- OneRoster Japan Profileのドラフト版（Candidate Final）の作成と日本国内での検討状況を報告
- 次回は3月に開催。ここまでにCandidate Finalの意見収集とブラッシュアップを行い、レビューする。
- Final ReleaseにはOneRoster Japan ProfileのConformance Testと、複数の参照実装があることが前提条件。
- 出欠席情報および健康・保健情報をOneRosterで取り扱えるよう、日本国内で検討を始めることを報告。



Joshua McGhee
Technical Program Manager
1EdTech

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1EdTech OneRoster 1.2 CSV Binding: Japan K-12/Schools Profile



Candidate Final Spec Version 1.0

Document Version:	1.0
Date Issued:	October 1st, 2024
Status:	This document is for review and adoption by the 1EdTech membership.
This version:	https://www.imsglobal.org/spec/orcsvjp/v1p0/
Latest version:	https://www.imsglobal.org/spec/orcsvjp/latest/
Errata:	https://www.imsglobal.org/spec/orcsvjp/v1p0/errata/

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LTI Work Group

11月14日開催

- 10月のLearning Impact EuropeをきっかけにLTI担当1EdTechスタッフ Tim Cooper氏よりオファークラス
- ワークグループ会議中30分枠で、GIGAスクール構想、MEXCBTなど日本政府の取り組みや市場環境の変化、学習eポータルやMEXCBTでのLTI活用状況について畠田より紹介
- 北米ベンダー中心のLTIコミュニティに対し、ヨーロッパ・日本など他地域の取り込みについて1EdTechスタッフから投げかけがあった



Tim Cooper
Technical Standards Architect
1EdTech



1EdTech Japan Product Steering Committee Meeting

11月13日開催

- 国内のContributing Memberと1EdTech Consortiumスタッフが参加し、日本における1EdTech技術標準の普及・推進を目的に、主にマーケティングの観点から議論する。ハイブリッド形式で、今回が3回目の開催。
- カシオ計算機、日本マイクロソフト、デジタルナレッジ、放送大学、内田洋行が参加。
- 1EdTech Consortium スタッフより
 - OneRoster Japan Profileのディスカッションの報告
 - 1EdTech Consortiumの新しいコミュニケーションツールを紹介
- 参加者からの要望など
 - LTIについて、明日のLTI Workingで日本での新しい取り組みを報告する（内田洋行）
 - OneRosterの実装を進めるとともに、国内でのOneRosterのプロモーションを進める（カシオ計算機）
 - 日本から報告があった健康情報のディスカッションをOneRosterワーキンググループで始めたい。Google等が関心を示している。（1EdTech Consortium）
- 次回は3月に開催予定



1EdTech Around the World

11月14日開催



- 山田運営委員長、常盤技術委員長の他、韓国からかつてKERISに在籍したYong-Sang Cho氏が登壇
 - 韓国は、Open Badges、CASE、Caliperに関心があり、Yong氏からはAIとCASE、Caliperを組み合わせた教材の研究開発の報告があった
- その他、ノルウェー、ドイツなどヨーロッパでの取り組みについても紹介があった



Susan Haught

Technical Program Manager, Digital Curriculum
1EdTech

Country	Standards
Japan	OR, LTI, QTI OB
Korea	LTI, CASE, Caliper, OB
UK	LTI Resource Search, QTI
Netherlands	QTI
Switzerland	QTI
Norway	OR, LTI, QTI
Italy	QTI
Germany	LTI Resource Search
Sweden	Edu-API
France	QTI

チーフアーキテクト Colin Smythe 氏のリタイア

- 25年間1EdTech(旧IMS Global)で活動
- 英国在住で、北米中心となりがちな1EdTechの活動に対して、欧州・日本など北米外での普及にも情熱をもって取り組んできた
- チーフアーキテクトとしてのイベント参加は今回が最後
- 1EdTechチームとしてのイベント参加は来年6月のLearning Impact 2025が最後



Colin Smythe

Chief Architect

1EdTech



Learning Impact

EUROPE

CONFERENCE 2024



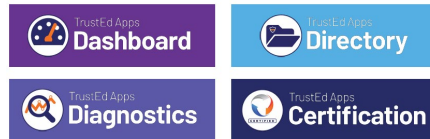
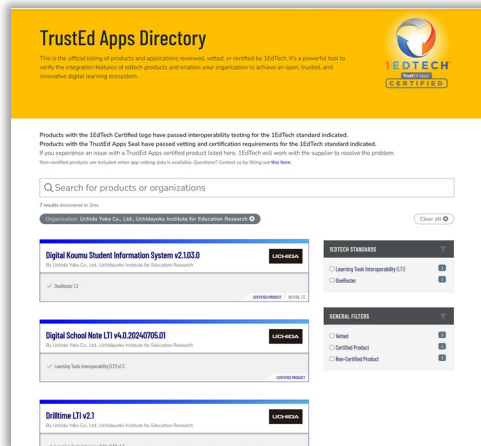
トピックス

- TrustEd Apps Management Suite - 認定制度の発展・展開
- Member Validator
- 1EdTech Community - 会員間コミュニケーション基盤のリニューアル
- LTI Services – LTI Advantageの新規サービスの検討が進む
- Edu API – OneRosterを包摂する高等教育向けの新しい技術標準

認定制度の発展・展開 - TrustEd Apps Management Suite

【Product Directoryサイト+認定テストシステム+動作確認用テストシステム】の統合・発展として調達者向け・ベンダー向け双方の機能を強化

- 昨年2023年からリニューアルが始まり、運用面の仕組み作りと併せて徐々に機能強化・移行中



Edtech Supplier
Updates products in TAMS, then tests in sandbox before certification/release.

Edtech Supplier
Product certified to 1EdTech standards, ready for release.






参考：デジタル庁 デジタルマーケットプレイス カタログサイト

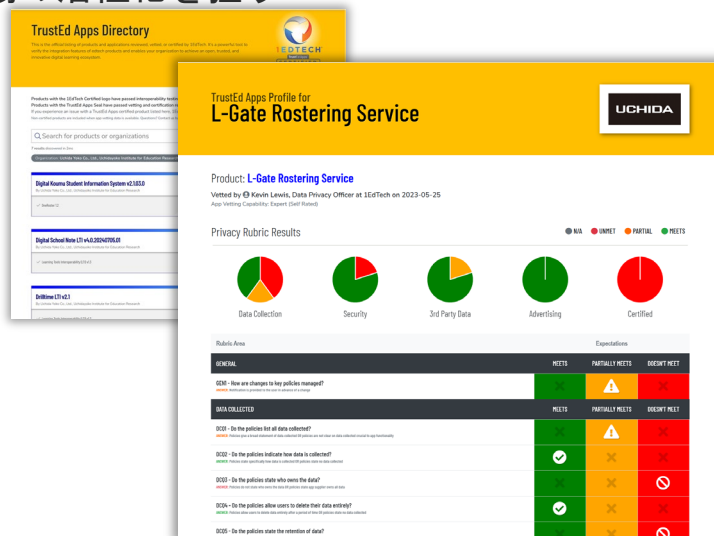
経産省 未来の教室 EdTechライブラリー



要素① TrustEd Apps Directory

- 1EdTech認定に加え、①アクセシビリティ、②セキュリティ、③生成AIによるデータ利用、④データプライバシーについて、主に1EdTechが定めた基準＝ルーブリックに沿っているか、ベンダーがセルフアセスメントして登録
- 「1EdTech認証済プロダクト」を軸に情報を集約 市場の活性化を狙う

<p>Accessibility Rubric</p>  <p>Suppliers attest how they ensure inclusive and equitable applications and tools</p>	<p>Security Practices Rubric</p>  <p>Suppliers attest how they follow secure practices</p>	<p>Generative AI Data Rubric</p>  <p>Suppliers attest if they are using Generative AI, and how they monitor data quality</p>	<p>Data Privacy Rubric</p>  <p>Suppliers comply with privacy laws</p>
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Rubric Area	MEETS	PARTIALLY MEETS	DOESN'T MEET
GENERAL	MEETS	PARTIALLY MEETS	DOESN'T MEET
GDPR - How are changes to key policies managed?	MEETS	PARTIALLY MEETS	DOESN'T MEET
DATA COLLECTED	MEETS	PARTIALLY MEETS	DOESN'T MEET
GD01 - Do we policies list all data collected?	MEETS	PARTIALLY MEETS	DOESN'T MEET
GD02 - Do the policies indicate how data is collected?	MEETS	PARTIALLY MEETS	DOESN'T MEET
GD03 - Do the policies state who owns the data?	MEETS	PARTIALLY MEETS	DOESN'T MEET
GD04 - Do the policies allow users to delete their data entirely?	MEETS	PARTIALLY MEETS	DOESN'T MEET
GD05 - Do the policies state the retention of data?	MEETS	PARTIALLY MEETS	DOESN'T MEET

参考：デジタル庁 デジタルマーケットプレイス カタログサイト
経産省 未来の教室 EdTechライブラリー

ルーブリック参考：デジタル庁 ウェブアクセシビリティ導入ガイドブック

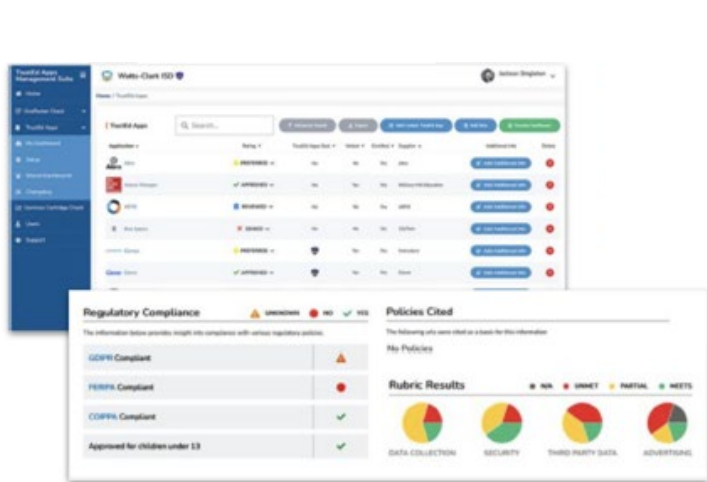
ガイドライン

文科省 教育情報セキュリティポリシーに関するガ

文科省 生成 AI の利用に関する暫定的なガイドライ

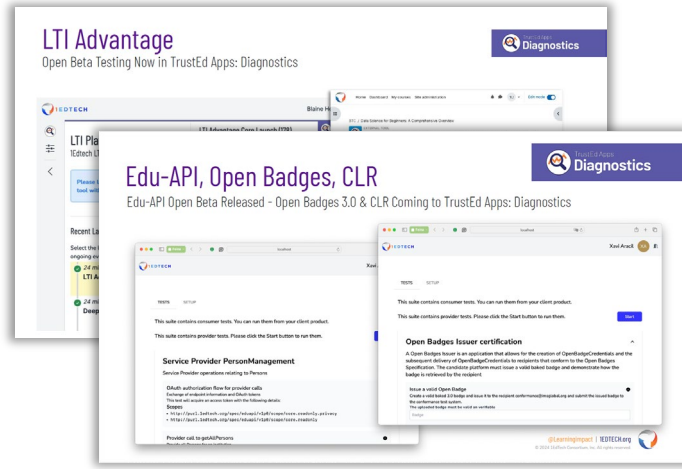
要素② TrustEd Apps Dashboard

- K-12, 高等教育など利用者向けのポータルサイト。
- TrustEd Appsの各ルーブリックに基づいた学習ツールの検索やブックマーク
- 学習ツールを①利用しているLMSとの連携実績、②データプライバシー等が自組織の基準に合うもの、といった条件で比較検討できる



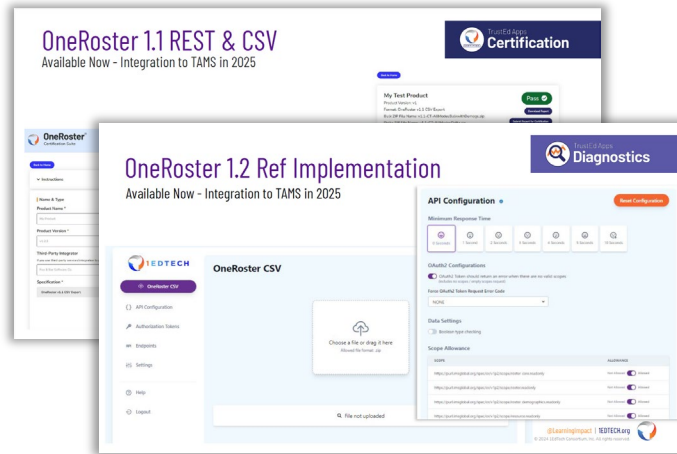
The image shows a search and filter interface for the TrustEd Apps dashboard. It features a search bar at the top with the placeholder text 'Search...'. Below the search bar, there are several filter sections, each with a dropdown menu and a 'Select One' button. The filters include: Rating, Supplier, Core vs Supplemental, Departments, Category, Colleges, and Has app been reviewed by instructional designers in the institution? On the right side, there are several questions with dropdown menus and 'Select One' buttons, such as 'How is this enrolled?', 'Does this send Grade data back?', 'How do students and faculty access the app?', 'Has institution performed security review?', 'Does this app align activities to an academic standard?', and 'Does this send app data for downstream learning analytics?'. A mouse cursor is visible over the 'Select One' button for the 'Colleges' filter.

要素③④ 認定テスト、動作確認相手先テストツ



LTI Advantage, Edu-API, Open Badges,
Comprehensive Learner Record

▶ 現在ベータテスト中



OneRoster

▶ 現在の認定テストシステム、動作確認
テストツールを2025年にTAMSに統合

Member Validator

<https://membervalidator3.msglobal.org/>

- OneRoster CSV, QTI等では、システム間で連携されるファイル等のフォーマットが仕様化されている
- 出力したファイルが仕様に沿っているかのチェックツール

今後の予定

- 新しい認定テストツールと統合、認定取得までにかかる時間を短縮
- ベンダーのCI/CDプロセスへの組み込みを可能に

The image displays two screenshots of the 1EDTECH Member Validator web application. The top screenshot shows a grid of validation tools categorized by QTI version (3.0, 2.1, 2.2) and other standards like Common Cartridge and Thin Common Cartridge. Each tool includes a 'BETA' badge and a brief description of what it validates. The bottom screenshot provides a detailed view of the 'QTI 3.0 Validator' tool, showing instructions for use, a file upload field, and an 'Upload' button.

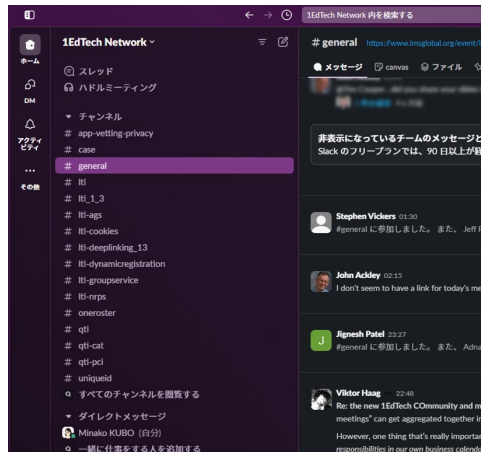
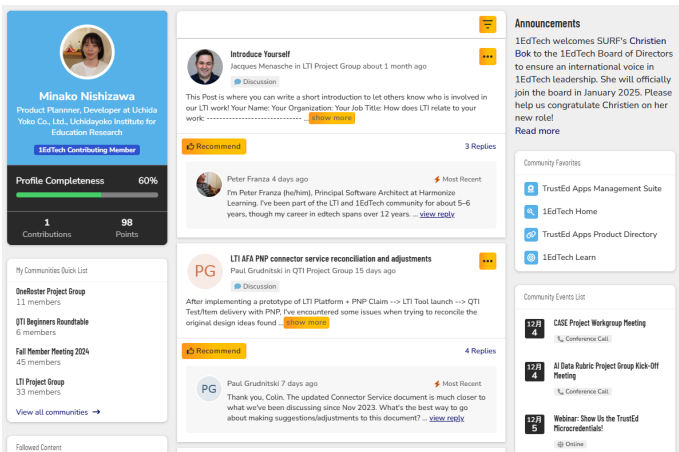


会員間コミュニケーション基盤のリニューアル - 1EdTech Community

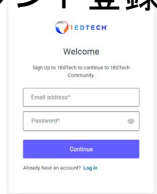
community.1edtech.org

1edtechnetwork.slack.com

- 各種告知類
- 会議スケジュール、リンク
- スライド資料
- 技術ドキュメント
- 新フォーラム



現在の1EdTech Webサイトとは別に新規アカウント登録が必要



公式

非公式

活発に投稿があり、質問もしやすい



1EdTech Community

- 1EdTech Consortiumのメンバーサイトが刷新。
- 順次新しいページが追加されている。
- OneRoster Japan Profileのディスカッション

The screenshot shows the 1EdTech Community website interface. At the top, there is a navigation bar with the 1EdTech logo, a search bar, and a 'Create' button. Below this is a purple header with the text 'JAPAN SOCIETY PSC'. Underneath the header is a navigation bar with links for 'Community Home', 'Discussion', 'Library', 'Blogs', 'Events', and 'Members', along with a 'Settings' button. The main content area is divided into three sections: 'LATEST DISCUSSIONS', 'ANNOUNCEMENTS', and 'LATEST LIBRARY ENTRIES'. Each section has a brief description and a 'Create' button. The 'LATEST DISCUSSIONS' section has a 'Start a Discussion' button. The 'ANNOUNCEMENTS' section has a 'View more announcements' button. The 'LATEST LIBRARY ENTRIES' section has a 'Create a Library Entry' button. At the bottom, there is a 'MOST ACTIVE' section.

The screenshot shows the 1EdTech Community website interface for a Contributing Member. At the top, there is a navigation bar with the 1EdTech logo, a search bar, and a 'Create' button. Below this is a purple header with the text 'CONTRIBUTING MEMBER DASHBOARD'. The main content area is divided into several sections: 'Membership', 'Support', 'Roadmaps & Plans', 'Member Newsletter', 'Glossary', 'Development, Testing & Conformance', and 'GitHub'. Each section has a brief description and a 'View' button. The 'Membership' section has a 'View The Roadmap' button. The 'Roadmaps & Plans' section has a 'View The Roadmap' button. The 'Member Newsletter' section has a 'View The Roadmap' button. The 'Glossary' section has a 'View The Roadmap' button. The 'Development, Testing & Conformance' section has a 'Development Resources' button. The 'GitHub' section has a 'View The Roadmap' button.




LTI Services





- これまでのDeep Linking, Names and Role Provisioning Service, Assignment and Gradebook Serviceに加え、合計17の新規サービスの検討が進んでいる。



LTI Services are here: Public Candidate Final

 90%	Dynamic Registration	<ul style="list-style-type: none">• Built into the new Diagnostic and Testing Suite• Has ample adoption
 90%	Submission Review	<ul style="list-style-type: none">• Built into the new Diagnostic and Testing Suite• Has ample adoption
 80%	Context Group Service	<ul style="list-style-type: none">• Needs to be built into the new Diagnostic and Testing Suite• Needs more adoption
 50%	Proctoring Service	<ul style="list-style-type: none">• No current adoption• On ice

LTI Services are here: Member Candidate Final

 80%	Link and Content Service	<ul style="list-style-type: none">• Needs to be built into the Diagnostic and Testing Suite• Needs more adoption
 80%	Platform Notification Service	<ul style="list-style-type: none">• Needs to be built into the Diagnostic and Testing Suite• Needs more adoption
 60%	AFA PNP Service	<ul style="list-style-type: none">• Needs to be built into the Diagnostic and Testing Suite• Needs more adoption
 50%	Caliper Connector Service	<ul style="list-style-type: none">• On ice pending potential revamp and rebranding

LTI Services are here: Public Draft



25%

Cookieless solution
Browser Messages + Storage

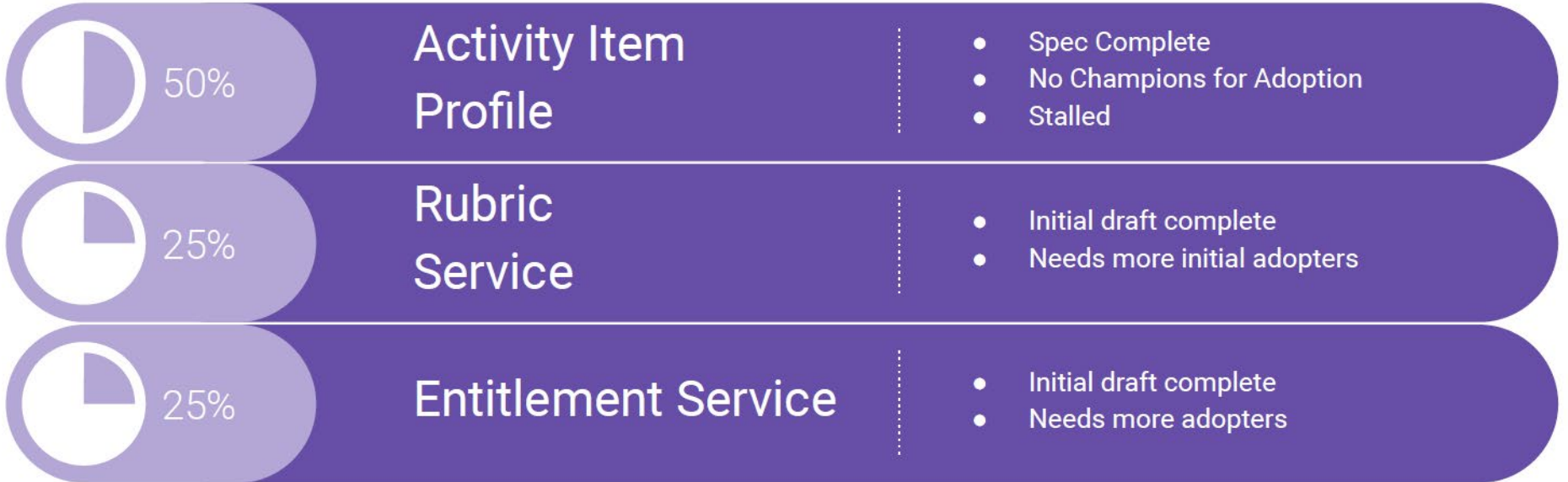
- Publicly available Draft
- Needs considerable reworking as the browser landscape has changed.



LTI Services are here: Draft



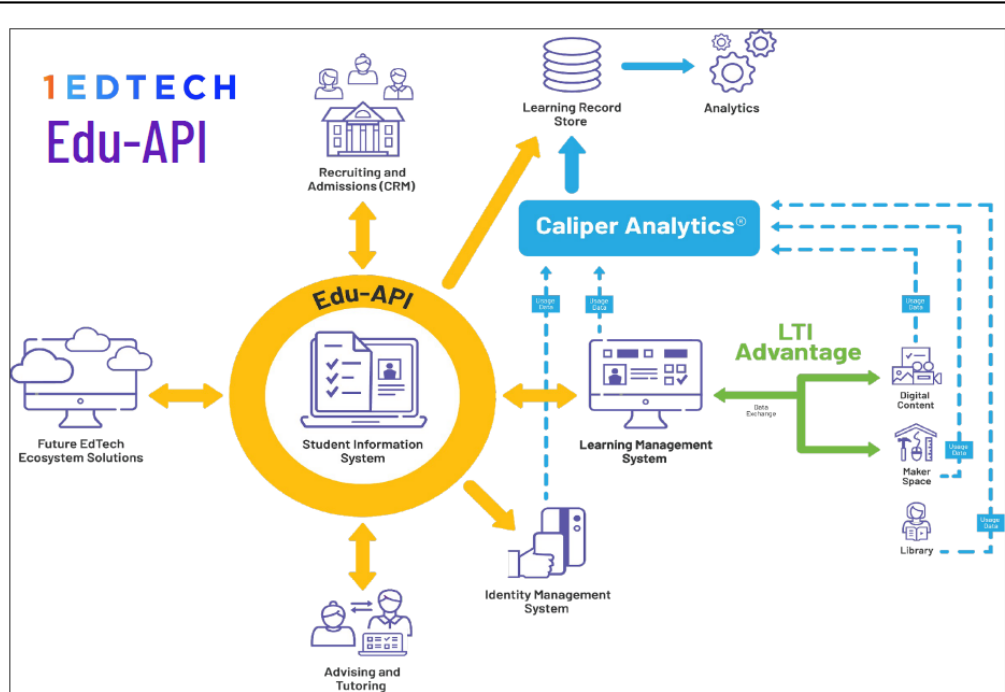
LTI Services are here: Draft



EDU-API

OneRosterの高等教育向け仕様として議論スタート。一般公開へ向け仕様策定の最終段階（Candidate Final Public）まで進んでいる。

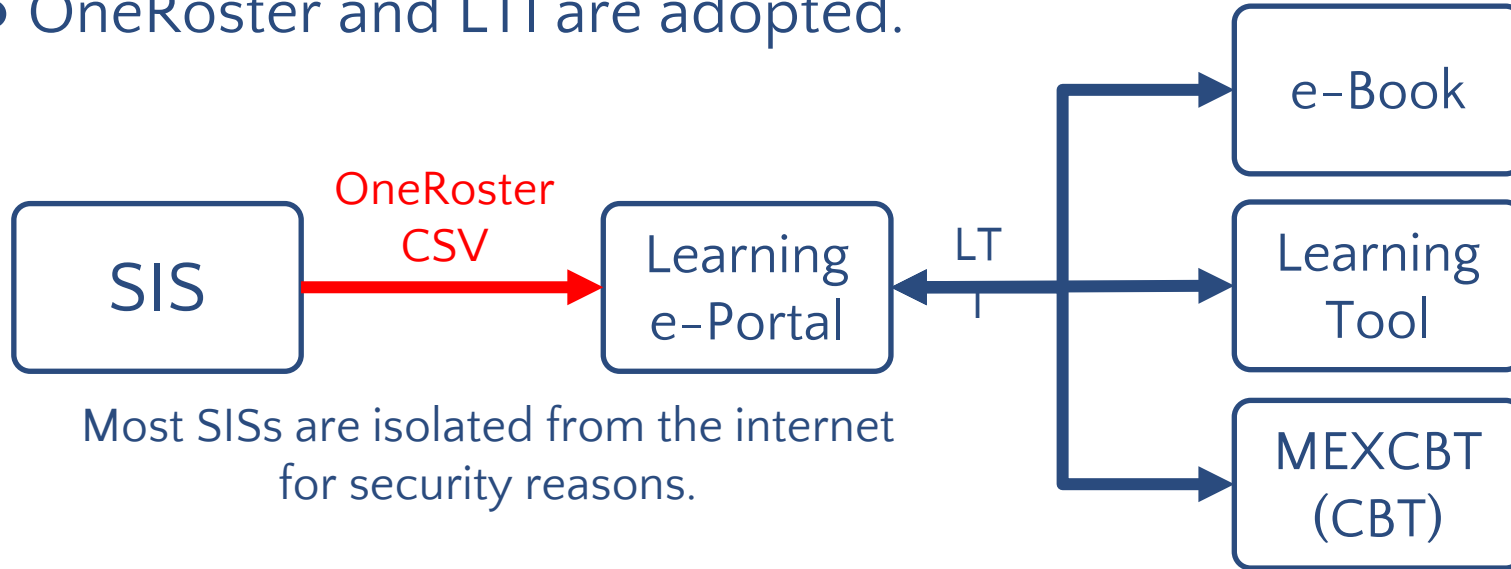
Evolving
education
enterprise
integrations
to a more
productive
future





OneRoster Japan Profile (Digest)

- MEXT is promoting the educational DX.
- Ecosystem around Learning e-Portal is growing.
- OneRoster and LTI are adopted.



MEXT: Ministry of Education, Culture, Sports, Science and Technology

Japan Profile

OneRoster 1.2 CSV Binding

Extensions

Example in "users.csv"

metadata.jp.kanaGivenName
metadata.jp.kanaFamilyName
metadata.jp.kanaMiddleName

Restrictions

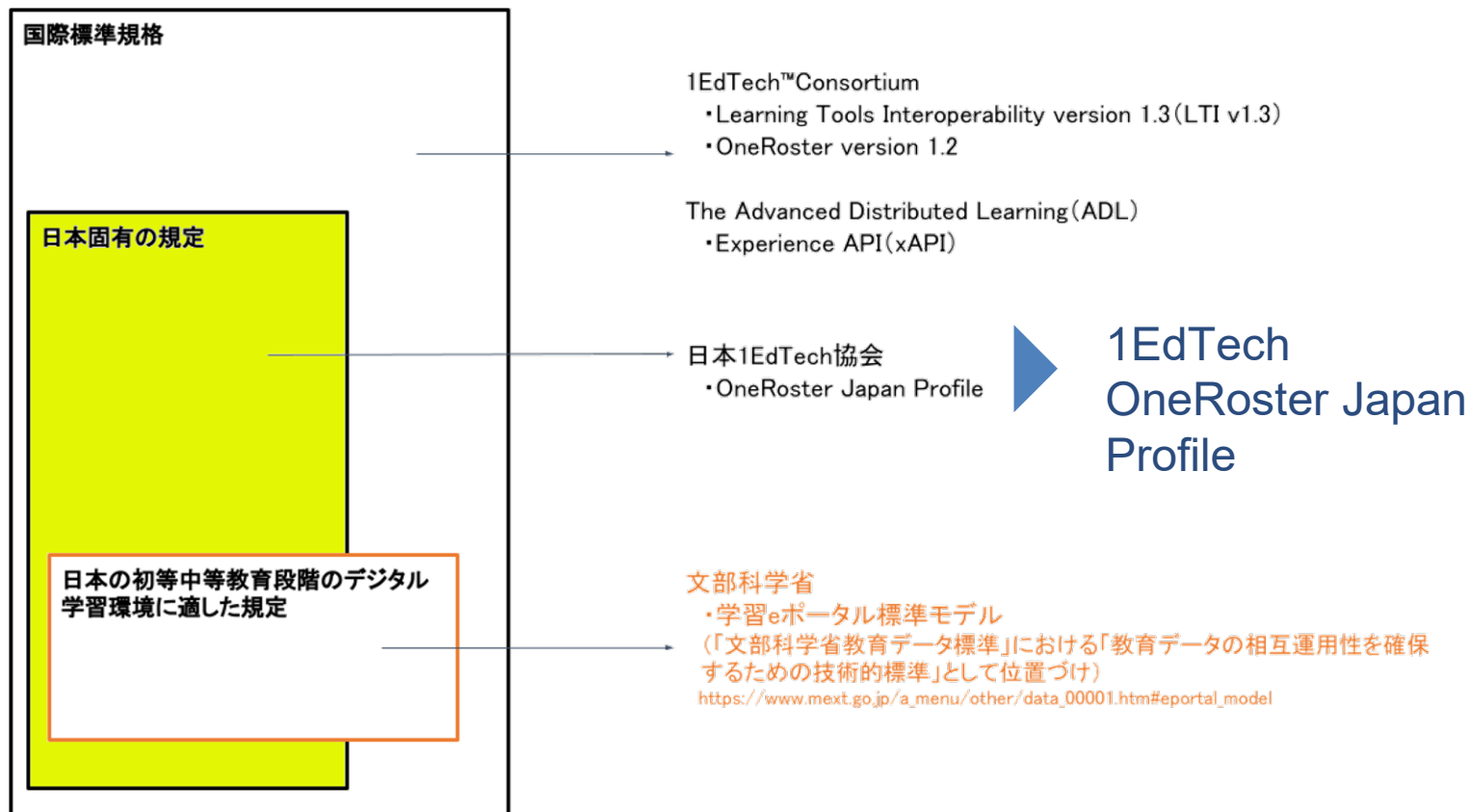
Example in "orgs.csv"

- MEXT code is used for "name", "identifies"
- "type" is limited to "district", "school"

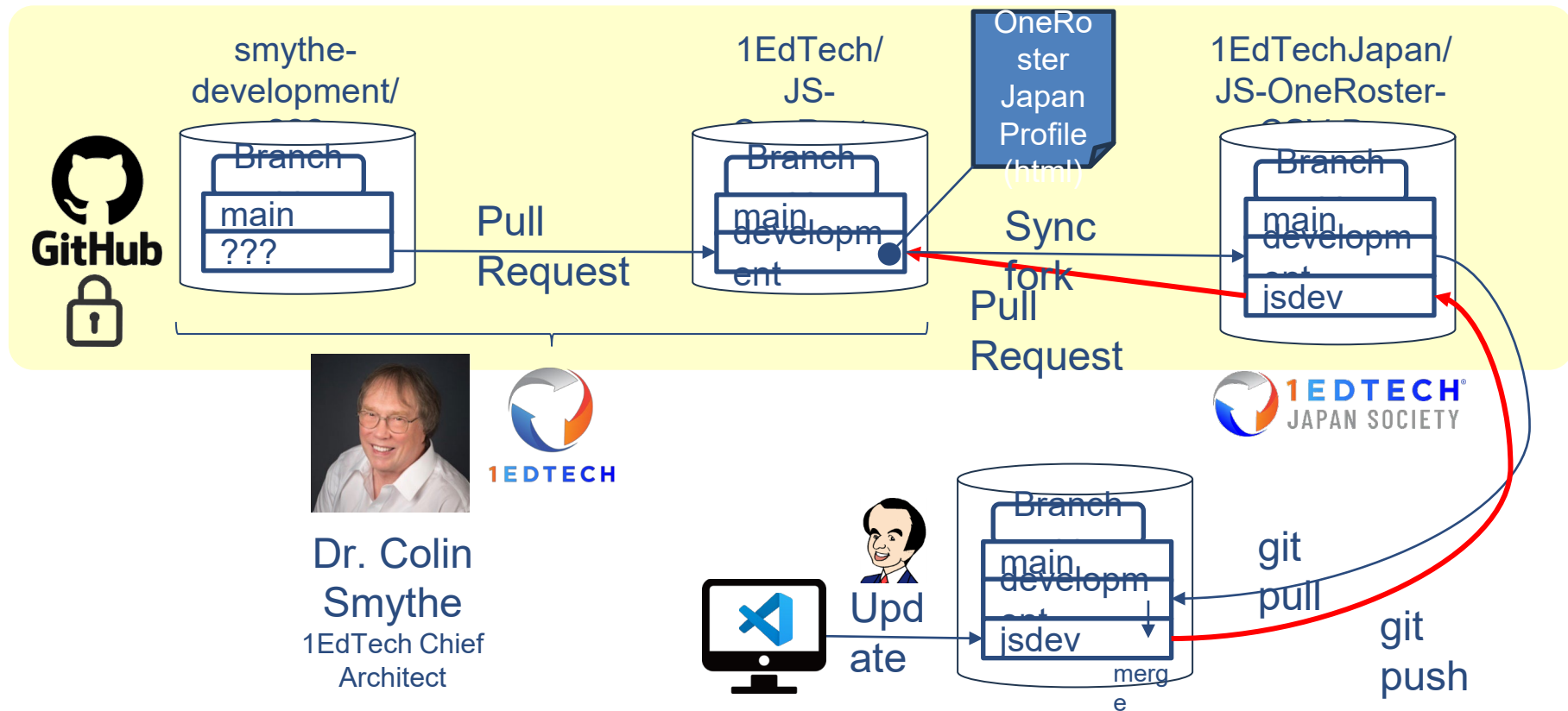
Kanji	杉谷 裕子
Hiragana	すぎたに ゆうこ
Katakana	スギタニ ユウコ
English	Sugitani Yuko



Sugiyu Hiroko



- Dec. 4, 2022 Provisional version by 1EdTech Japan released for the Digital Agency's PoC project
- Mar. 21, 2023 In-person Meeting with Colin in Japan
- Jun. 16, 2023 Writing Task Force (TF) Charter started
- ~ TF Charter and relevant procedures updated
- Jul. 31, 2024 TF Charter approved
- Aug. 1~Oct. 1, 2024 Specification developed
- Oct. 1, 2024 Candidate Final 1.0 released



Column Field Header	Required	PII Sensitive	Format	Description	Profile Annotation
sourcedId	Yes	No	GUID	Unique ID for the class.	
status	Yes for Delta	No	Enumeration	Permitted values for Delta mode: { active tobedeleted }. This <i>MUST NOT</i> be used for the Bulk mode.	"tobedeleted" applies to previous year data or deleted data. "active" applies to other than the above.
dateLastModified	Yes for Delta	No	DateTime	The date that this record was last modified. [ISO8601] format and resolution of YYYY-MM-DDTHH:MM:SS.sssZ <i>MUST</i> be used. This <i>MUST NOT</i> be used for the Bulk mode.	Examples: "The date and time when the CSV was output".
title	Yes	No	String	Name of this class.	Example: The official names are assumed to be "1年1組", special needs class "あおぞら組", etc.

Japan Profile用に
列を追加

Candidate Final

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 - 4.10 'lineItemLearningObjectivelds.csv'

1EdTech OneRoster 1.2 CSV Binding: Japan K-12/Schools Profile



Candidate Final Spec Version 1.0

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Latest version:	https://www.imsglobal.org/spec/orcsvjp/latest/
Errata:	https://www.imsglobal.org/spec/orcsvjp/v1p0/errata/

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The steps from start to finish for creating a 1EdTech specification

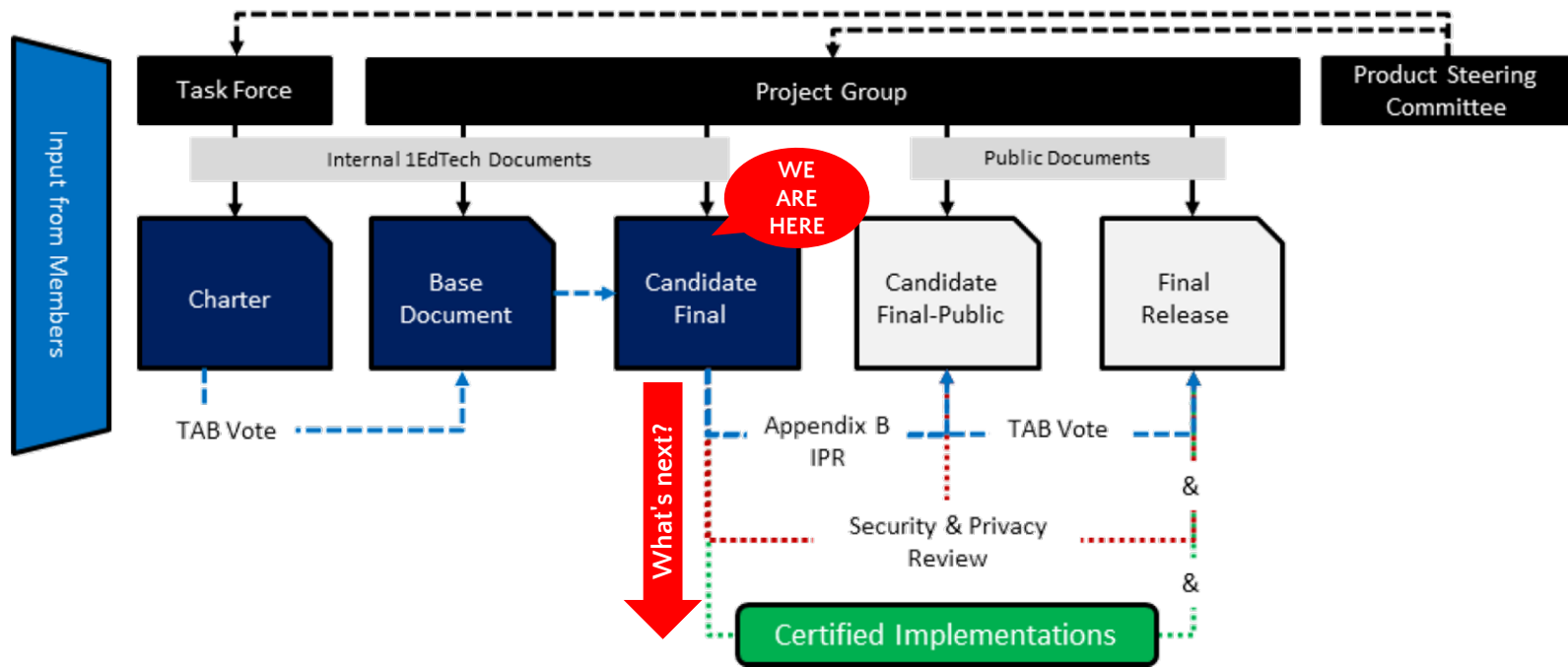


Diagram of Development Process.

1. 2025年1月末までに、1EdTech-JSにてFeedback & Commentsをまとめる。
2. 2025年2月末までに、Oct. 1, 2024版のCandidate FinalをUpdateする。
3. 2025年3月中に、1EdTech OR Project Groupとの協議の場を設定し、Candidate Finalを最終化する。
4. 1EdTechではConformance Testの開発に着手する。
5. 1EdTech JapanではOutputおよびInput機能について、それぞれ2件ずつのAdoptionを実装に着手する。
6. IPR、Privacy & Security等の検証を始める。このプロセスには8週間を要する。
7. ④から⑥までのプロセスが完了した後、10機関以上の参加をもってTAB Voteに掛ける。

- Basically, equivalent to OneRoster CSV Japan Profile
- Add attendance and health information

総括

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- Member Meeting Fall 2024は参加者143名、セッション数38の規模で3日間にわたり開催された。
- テクニカルなセッションだけでなく、マーケットの要望も含めた広範囲なセッション構成となった。
- Around the Worldのセッションに代表されるように、1EdTech Consortiumは米国中心から国際的な標準に拡大しつつある。
- LTIおよびOneRosterは仕様を策定するメンバーに終日議論するための場が提供され、OneRoster Japan Profileを含む新たな仕様の拡張が期待される。
- Rob Abel氏やColin Smythe氏の退任に伴い、1EdTech Staffの世代交代が進んでいる。

