

日時：

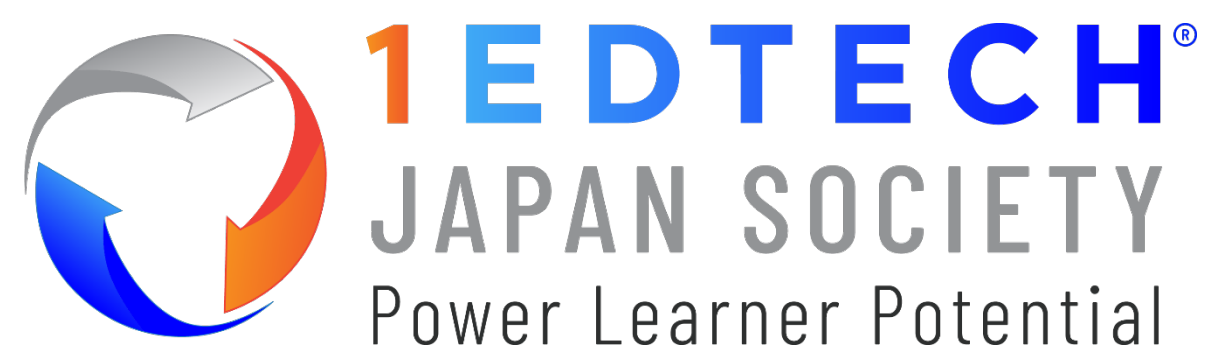
2023年12月26日（火） 16:00 – 17:00

場所：

オンライン（Zoom）

プログラム：

- (1) 1EdTech Europe & Fall Technical Meeting 23 Feedback（15分）  
日本1EdTech協会 理事・運営委員長 山田 恒夫
- (2) OneRoster Japan Profile Update（15分）  
日本1EdTech協会 技術委員長 常盤 祐司
- (3) 1EdTech Standards Updates（15分）  
日本1EdTech協会 事務局長 藤原 茂雄
- (4) 質疑応答、ディスカッション（15分）



# DEVELOPING OneRoster Japan Profile

November 15, 2023  
Technical Committee  
Yuji Tokiwa

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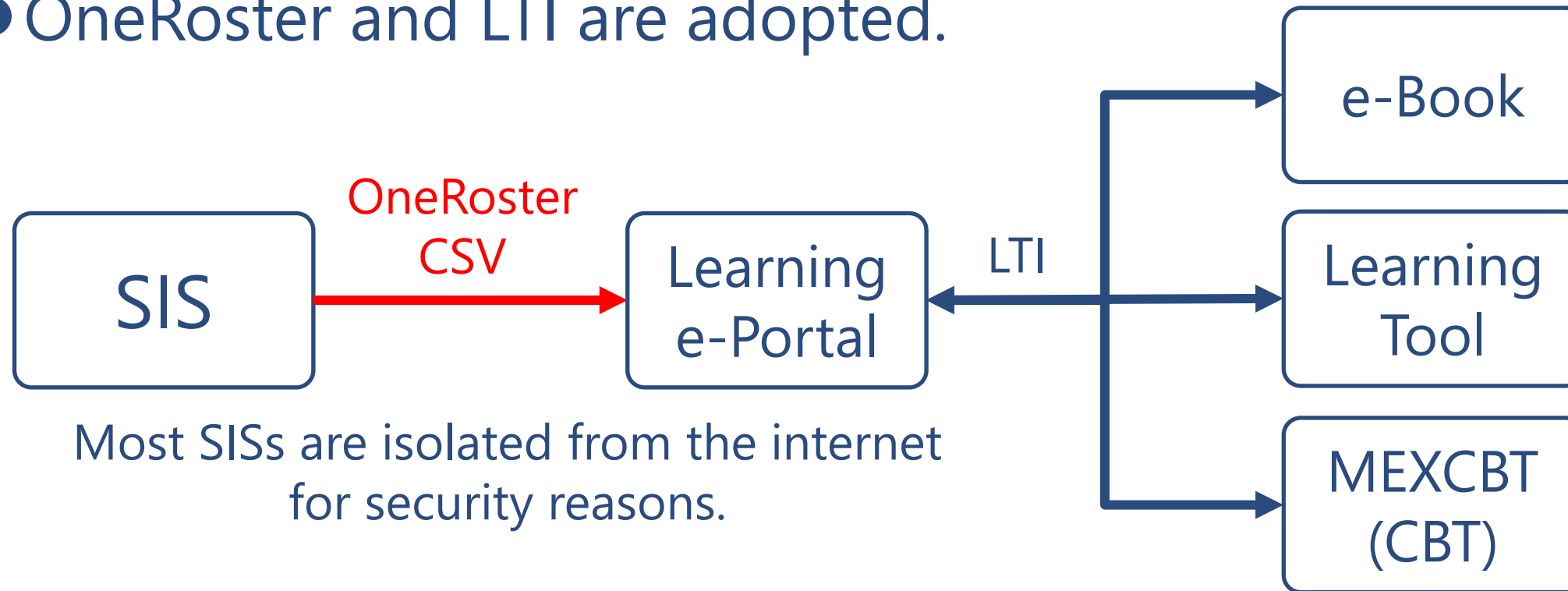
# Profiling

Tailoring a 1EdTech specification to specific needs of the local market and education needs

- ❖ The process by which a 1EdTech specification is tailored to fit the deployment requirements for a particular locality, market sector, etc.
  - Define extra constraints
  - Define specific extensions
- ❖ Advantages
  - Impose best practices required by the locality, market sector, etc.
  - Profile-specific Certification can be produced
  - ALL profiles are a subset of the full specification

# Nationwide Learning ecosystem for K-12

- 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

- Code scheme
  - Character code: JIS(Japanese Industrial Standards) X 0213
  - classes.csv | grades: use of MEXT defined code
  - classes.csv | subjects: use of APPLIC defined code
  - orgs.csv | identifier: use of MEXT defined code
- Cultural concerns
  - demographics.csv | not defined for "race", "country of Birth", etc.
  - users.org | not defined for "pronouns(she/her/hers, he/him/his ...)"
- Educational concerns
  - users.csv | New property name added for reading (See next slide)
  - enrollment.csv | New property name added for attendance number
  - classes.csv | New property name added for special needs for student with a disability

## Acronyms

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

APPLIC: The Association for Promotion of Public Local Information and Communication

A public foundation that promotes the reform and coordination of information systems of local governments, as well as the development and promotion of public applications (such as disaster prevention, medical care, education, etc.).

## 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



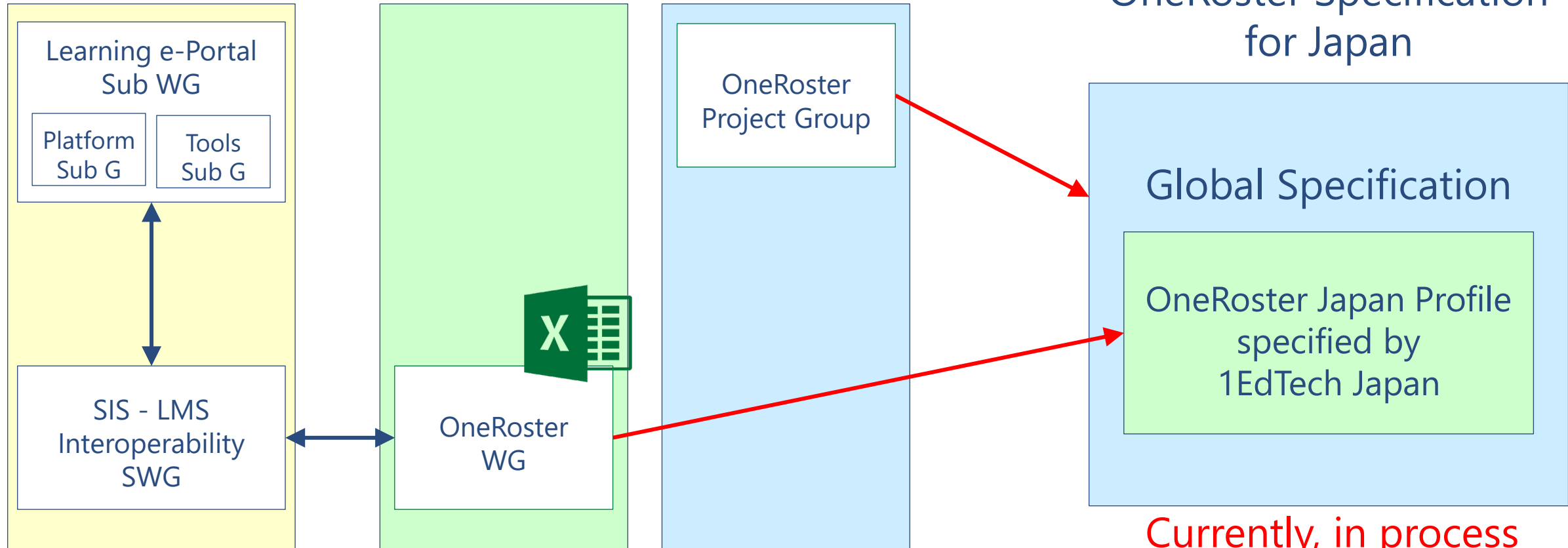
Sugiya Hiroko

ICT CONNECT 21   
commissioned by MEXT

1EdTech Japan 

1EdTech Global 

## Structure of OneRoster Specification for Japan



↔ Discussion and Proposal  
→ Develop specification

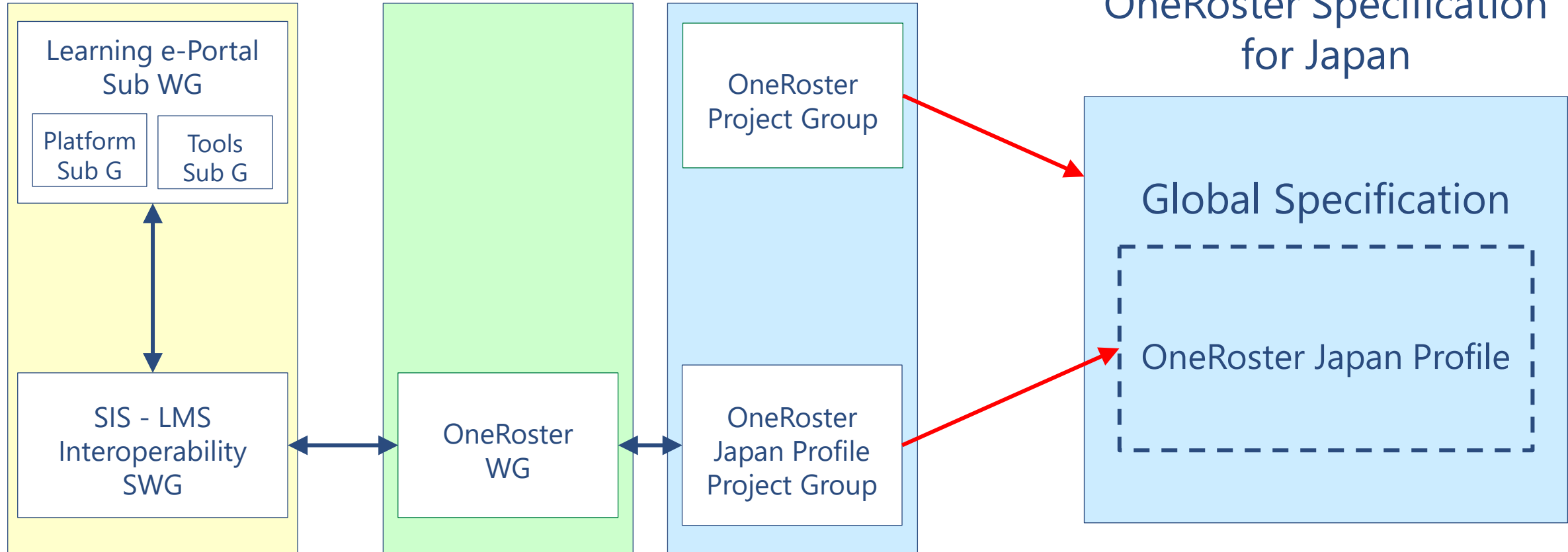
Currently, in process  
Japan Profile will be certified  
by 1EdTech Global

ICT CONNECT 21   
commissioned by MEXT

1EdTech Japan 

1EdTech Global 

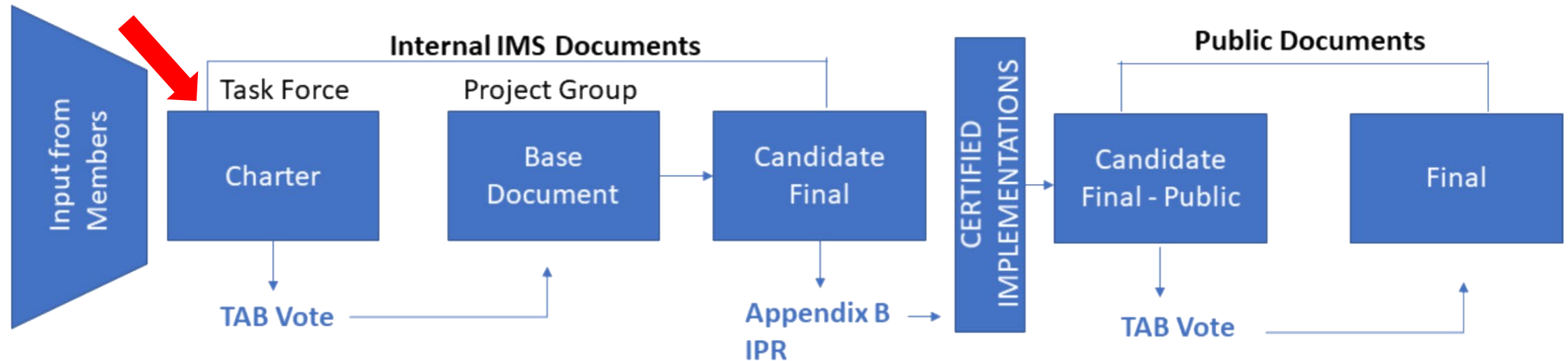
Structure of  
OneRoster Specification  
for Japan



↔ Discussion and Proposal  
→ Develop specification

All specification are certified by  
1EdTech Global





TAB: Technical Advisory Board  
IPR: Intellectual Property Rights

- Develop Base Document and conduct internal Project Group review - 2-3 months
- Develop Candidate Final and conduct TAB review - 6-12 months (depending on implementation status)
- Develop Candidate Final Release/ Public Release - 4 months
- Develop Final Specification and conduct TAB vote – 6 months -1 year

Ref. : IMS Technical Advisory Board Policies and Procedures, Version 9.5  
[https://www.imsglobal.org/sites/default/files/imstb\\_policyv9p5.pdf](https://www.imsglobal.org/sites/default/files/imstb_policyv9p5.pdf)

## 1. Project Name:

1EdTech OneRoster CSV Japan Profile Task Force Charter

## 2. Chair (s)

Name	Organization	Email
藤村 裕一 --- Yuichi Fujimura	日本 1EdTech 協会 --- 1EdTech Japan	yuichi.fujimura@imsjapan.org
常盤 祐司 --- Yuji Tokiwa	日本 1EdTech 協会 --- 1EdTech Japan	yuji.tokiwa@imsjapan.org

## 3. 1EdTech Facilitator(s)

Name	Role	Email
Colin Smythe	Chief Architect	csmythe@1edtech.org

## 4. Description of Work

### 4.1. Summary

日本における初等中等教育は文部科学省の定めた学習指導要領により全国的に均質な教育水準が保たれている。2019年からは、教育DXの一環としてGIGAスクール構想により一人一台の端末基盤が整備され、このIT基盤を活用したデジタル学習エコシステムが構築されつつある。このシステムはポータルを中心として、校務支援システムとはOneRosterで連携し、学習支援ツールとはLTIで連携したエコシステムを形成する。現在、OneRosterではCSV BindingのRosteringの仕様を参照しているが、日本固有の文字を利用するための拡張や日本では利用しない選択肢の削除等のローカライゼーションを明文化するJapan Profileの策定が急務となっている。

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The Ministry of Education, Culture, Sports, Science and Technology (MEXT) has established government course guidelines. Elementary and secondary education in Japan has been maintained at a standard throughout the country. Since 2019, as educational DX in Japan, the digital devices for all students have been provided as the GIGA School Program, and a digital learning ecosystem has been built using this IT infrastructure. This system will form an

ecosystem centered on a portal linked to the student information system (SIS) by OneRoster and to learning support tools by LTI. Currently, OneRoster refers to the Rostering specification for CSV Binding. Still, there is an urgent need to formulate a Japan Profile that specifies localization, including extensions to use characters unique to Japan and removing options not used in Japan.

### 4.2. Background

## 4. Description of Work

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- **Promote global ecosystem**

Entry of non-Japanese vendors to the Japanese market will be expected through global public disclosure.

- **Improve quality of profiling process**

Formal profiling processes established by 1EdTech global will be applied.

# Planned Milestones and Durations

Milestone	Timeline
OneRoster Japan Profile Task Force 憲章承認 --- OneRoster Japan Profile Task Force Charter Approval	01 Dec 2023
プロジェクトグループのための Base Document 作成 --- Base Document Introduction to Project Group based on proposal	01 Jan 2024
Internal Draft 草案/適合要件 --- Internal Draft Release / Conformance Requirements	01 Mar 2024
Candidate Final のプロジェクト承認 --- Project Approval of Candidate Final	01 May 2024
適合テスト一式の提供 --- Certification Suite Available	01 Jun 2024
最終文書公開のための技術諮問委員会(TAB)の承認投票 --- Final Document TAB Vote	01 Jul 2024

