

Student Data Standard Invitation of Views

Background

1. This paper proposes student data format (draft 1) for consultation with the industry. The proposed student data aims to define the most common student data that we needed to facilitate eLearning in secondary and primary schools.

Timeline for Implementation

2. The action items with schedule as follows:

<i>Action items</i>	<i>Date</i>
Briefing on Draft 1 for consultation	24 August 2018
Industry Feedback on Draft 1	7 September 2018
Discussion with Publishers Associations	11 September 2018
Industry Feedback on Draft 2	25 September 2018
Proof of Concept (PoC) with sample data and interface	October 2018
Confirmation of Final Draft	November 2018 (subject to PoC results)

Data Standard

3. Part 1 – data fields

3.1 Basic Data (mandatory data)

Field Name	Data Type	Description	Example
DISPLAY_NAME	Varchar(35)	This is the "Name" to be displayed in the system if users do not want to show their full name. It can be a code too.	E.g. 1) David Chan E.g. 2) P4A-10
PROFILE_ID	Varchar(12)	A unique profile ID to identify a student in the system.	TYPNY8NJAOOH

3.2 Optional Data

Field Name	Data Type	Description	Example
HKEDCITY_ID	Varchar(44)	The login_id of the user in HKEdCity	hke-stud001
SCHOOL_CODE	Varchar(12)	An unique school identifier from EDB - SCRN	SCRN: 190381000133

		<p>Combination of SCRN: School Number [6 digits] + Location ID [4 digits]+ School Level [1 digit] + Session [1 digit]</p> <p>School Level:</p> <ul style="list-style-type: none"> Kindergarten - 1 Primary - 2 Secondary - 3 Post-Secondary - 4 Others - 9 <p>Session:</p> <ul style="list-style-type: none"> AM - 1 PM - 2 Whole Day - 3 Evening - 4 	<p>School Number: 190381</p> <p>Location ID: 0001</p> <p>School Level: 3 (Secondary)</p> <p>Session: 3 (Whole Day)</p>
STUDENT_ENNAME	Varchar(35)	English fullname	Chan Tai Man
STUDENT_CHNAME	Varchar(18)	Chinese fullname	陳大文
REG_NO	Varchar(9)	Student School Registration Number (Unique in each school)	P4A-010
SCH_YEAR	Integer	School academic year (YYYY)	2018
CLASS_LVL	Varchar(2)	<p>Class Level</p> <ul style="list-style-type: none"> K1 - Kindergarten 1, K2 - Kindergarten 2, K3 - Kindergarten 3, P1 - Primary 1, P2 - Primary 2, P3 - Primary 3, P4 - Primary 4, P5 - Primary 5, P6 - Primary 6, S1 - Secondary 1, S2 - Secondary 2, S3 - Secondary 3, 	P4

		S4 - Secondary 4, S5 - Secondary 5, S6 - Secondary 6	
CLASS_NAME	Varchar(4)	Class Name Unique identifier of a class in a school	4A
CLASS_NUMBER	Integer	Class Number Unique identifier for a student in a class (No re-use in a school with same Class Level, Class Name in the same academic year)	10
GENDER	Varchar	Gender code Male: M Female: F	F
MOBILE_NO	Varchar(12)	Mobile phone number	91234567
EMAIL	Varchar(60)	Email address	chantaiman@hello.edu.hk

Remarks:

(a) Part 1.1 – Basic Data is the minimal data to support user authentication.

(b) PROFILE_ID: Provided by HKEdCity. Third party data users should make sure this field is unique in their system if they have multiple data sources for the student data.

(c) School information (School Number, Location ID, School Level and Session) can be retrieved from:
<https://applications.edb.gov.hk/schoolsearch/schoolinfo.aspx?langno=1&scrn=190381000133>

(d) The availability of Part 1.2 - Optional Data for third parties is subject to the authorisation of individual schools.

4. Part 2 – Data Updating

4.1 Annual Update

- Option 1 - Two weeks prior to the new school year begin (e.g. xx August 2018 for the school year of 2018/19) set as 'Date A' where most schools will provide updated student data for the new school year. However, this is a recommendation and not mandatory for schools.
- Option 2 - Schools have their individual date 'Date S' set to reflect updated school data.

4.2 Ongoing Update

Schools can choose to provide updated student data according to their working practices and be classified as follow:

- Option 1 – Real-time (Schools has real time interface and will update student data at a timely matter when any data update is required.)
- Option 2 – Daily (Schools has real time interface and will update student data before the close of office on a school working date when any data update is required.)
- Option 3 – Ad Hoc (Schools will update data on need basis and there is no committed timeline.)

5. Part 3 – Technical Interface

The following options will be available:

5.1 Single Sign On

A Single Sign On (SSO) interface will be provided for school users to login third-party systems using HKEdCity ID and password. The SSO is based on OAuth 2.0 and AppAuth to interface with third party systems.

5.2 For Data Interface

The Student Data Format described in Part 1 will be available for third party through the following options:

- Option 1 - As excel file which can be retrieved from a central repository
- Option 2 - As restful API calls with JSON / XML for data retrieval

Authorisation and Scope of Usage of the Students Data

6. Schools to decide on releasing optional data (either all fields or selected fields).
7. Secure operation to ensure data privacy (schools to authorise what data to be released to whom and with logs)
8. Third party Data User should comply with access and use policy:
 - Observe confidentiality of all data
 - Apply necessary security measures to protect the data when being stored in their systems
 - Authorized purpose only
 - Cannot exploit or harvest data for other purpose
 - Remove data upon request or expiry of service.

Other Information

9. A common database for school information will also be set up based on the Open Data.
10. Teachers data is not included in this round of consultation. Teacher can use the same SSO if teachers' login data are provided by schools. Publishers need to get teachers other data separately if required.

Notes

11. Any views/comments on the above student data standard are welcomed. Please complete one [online feedback form](#) per company / organisation **on or before 7 September 2018 (Fri) noon.**

12. It is optional for any member of the industry to supply his/her personal data when offering views on this consultation document. Any personal data thus collected will only be used for the purpose of this consultation exercise. The data will be destroyed after analysis.

13. HKEdCity may, as appropriate, reproduce, quote, summarise or publish any written comments received, in whole or in part, in any form and for any purpose without seeking prior permission of the contributing parties. However, the HKEdCity will not disclose the company, organisation or personal data of the respondent when citing the relevant content.

Hong Kong Education City (HKEdCity)

24 August 2018