NSIP Vendor Forum

EduTech 2016
Agenda

• Welcome & Introductions

• The Learning Services Architecture

• NSIP Projects
  • HITS
  • NAPLAN Online
  • NIAS
  • ODDESSA
  • Data Hubs (with ESA)

• Member Updates
the LSA challenge
the 5 Vs

- **Volume**
  - The sheer amount of data

- **Variety**
  - Different data for different purposes

- **Velocity**
  - The speed at which new data is produced & consumed

- **Viability**
  - Which data will tell us what we need to achieve improvement

- **Value**
  - How to get actionable results from that data
the benefits

• For Schools:
  • enable a unified view of information about a learner
  • reduce administrative burden for teachers
  • promote procurement flexibility and choice

• For School System Authorities:
  • ensure consistent, well-managed school data
  • enable rich decision-support and analytics
  • allow school systems to manage privacy and duty-of-care risks around student and school information

• Solution Providers:
  • create a national, consistent integration interface
  • promote market choice by schools
  • embed nationally agreed business use cases
Standards based data exchange

- Data Standards Manual
- SIF Baseline Profile SBP

National Use Cases:
- Enrolment
- Attendance
- Timetable
- Gradebook
- NAPLAN Registration Results

Data hubs:

School sis systems:
NSIP Projects
Supporting LSA
want systems to interoperate? need data mobility? want access to those hubs?

• we provide the testing service
• we provide the developer frameworks
• we provide the training

• Use Cases:
  • Enrolment
  • Finance
  • Attendance
  • Gradebook
  • Timetable
  • NAPLAN; Registration, Results & Reporting

• Most Requested:
  • Assessment
  • Wellbeing
coming use cases

- SBR
  - ATO Standard Business Reporting
    - Data Dictionary approach for reporting; SIF
    - XBR for universal invoicing process
  - Assessment
- Wellbeing
new:

evironments on demand
NAPLAN Support

- Use Cases on HITS
- NIAS Support for Validation
NAPLAN pre-validation

Validation Errors by Record Order

Errors By Validation Type

17 selected out of 73 records

<table>
<thead>
<tr>
<th>Original Line No.</th>
<th>Error Type</th>
<th>Error Field</th>
<th>Error Description</th>
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<tbody>
<tr>
<td>1</td>
<td>content</td>
<td>IndigenousStatus</td>
<td>IndigenousStatus must be one of the following: '1', '2', '3', '4', '5'</td>
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<tr>
<td>1</td>
<td>ASL</td>
<td>ASLSchoolId</td>
<td>ASL ID bwxno178 not found in ASL list of valid IDs</td>
</tr>
<tr>
<td>1</td>
<td>date</td>
<td>BirthDate/YearLevel</td>
<td>Year Level calculated from BirthDate does not fall within expected NAPLAN year level ranges</td>
</tr>
<tr>
<td>2</td>
<td>ASL</td>
<td>ASLSchoolId</td>
<td>ASL ID bwxno178 not found in ASL list of valid IDs</td>
</tr>
</tbody>
</table>
a small but important example

NAPLAN Online

naplan results

integration node (set intersection)

school sis

sif

Jurisdiction Data Hub
ESA Data Hub
NIAS Adaptor

results structured as the school wants them
NIAS

- NSIP Integration As A Service
  - Message Store & Forward
  - Mixed Data Model Integration
  - Privacy Policy Support
privacy
oddessa

<table>
<thead>
<tr>
<th>Collection</th>
<th>SIF</th>
<th>UC</th>
<th>Impl.</th>
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<tr>
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<td>StudentPersonal</td>
<td>Enrolment</td>
<td>ACT,NSW,TAS</td>
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<td>IS Finance</td>
<td>Journal</td>
<td>Finance</td>
<td>ACT,NSW,VIC</td>
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<tr>
<td>Attendance</td>
<td>TimeFraction</td>
<td>Attendance</td>
<td>All</td>
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Streamlined
Automated
Consistent
National Reporting
Data Hubs

- Data Hubs for Non-Systemic schools
- Joint initiative with ESA
Member Updates

• Welcome to new members:
  • uEducateUs
  • FIC
  • Education Management Solutions

• Upcoming Events
  • SIF 3 Training 22/23 June, Melbourne
  • Data Modelling/Use Cases
    • Wellbeing / Assessment August/September workshops
• NSIP is now on LinkedIn, join our group!

• [http://www.nsip.edu.au](http://www.nsip.edu.au)

• What and Who do you exchange with?