Rostering for Digital Apps Innovation Leadership Network
Lessons Learned Implementing OneRoster

Category	Issue Name	Problem	Impact	Recommendation
Implementation	Starting point	Where to start implementing OneRoster	Adoption and ease of implementation	Start with your 3 largest vendors
Implementation	Data flow	Engaging with vendors without a clear vision about how the data should flow across applications	Improved flow of data across systems	Create a chart showing the data flow across applications.
				Educate people about the data flow to promote buy-in.
				Create data requirements and use cases working with your instructional team.
				Share all the above documentation with vendors.
Implementation	Different Roster Files	Each Vendor Requests a different csv file	Custom creation of files is an impediment for a seamless integration	Create a master csv file and enforce adoption.
				Provide vendors with data flow charts and requirements during the procurement process.
Procurement	Product not certified	Vendor says product is certified but it is not	IMS will not stand behind the implementation of a non-certified product	Confirm product is part of the IMS Product Directory.
				Request vendor to includes IMS certification number during procurement process.
				Give vendor a roadmap to certification
				Explain to vendor that certification = “prefered partner” and non-certified = “vendor will be replaced when possible”
Implementation	Data Management	Vendors request data that they don’t need	Districts share information that is not necessary	Scope down data and communicate early.
				Share only data of students data who are using a particular tool, app, or platform.
				Do not share entire SIS data structure.
				Reach out to IMS if you have questions.
				Get in touch with other IMS members to learn about their data management strategies.
				Take advantage of the API.
				Vendors should know that they can benefit from data management themselves.

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Data Governance	Data Errors	Data generated in one level is used in different ways, i.e., enrollment date for a district is the beginning of the school year but for a publisher it is the first time the student accessed their system	Data errors and integration errors, inaccurate reports, and licensing issue	Map out the data fields required by the vendor to your SIS and request correction before going live
Planning	Moving to the API	Vendors are reluctant to adopt the API solution	Automation of data flow	Work with vendors in advance.
				Write the requirement in the procurement language.
				Support IMS initiatives demanding conformance.
				Involve the instructional team and help them understand the benefits.
				Request sales representatives to deliver the message to decision makers in their companies
Certification	Vendors Adopt OneRoster	Vendors are reluctant to adopt OneRoster	District needs to manually create and update rosters	The path of least resistance is to include the demand in the procurement language
Data Governance	Data Error	Files need to go through validation process	Avoid import errors	Manual validation
				Some companies offer the service
Implementation and data governance	Using Middleware	Vendors prefer to use middleware tools that use OneRoster with the	Vendors get more data than what is needed and there is a	Adopt OneRoster compliant products
				Demand adoption of OneRoster standard
Implementation	Secondary users	Most vendors don't support a secondary teacher- they don't have that string	May courses are taught by more than one teacher and they have to manually create their	Consider updating to OneRoster 1.1
Data Governance	Nomenclature	Vendors want to impose their nomenclature and master codes	Different names for same school and/or other fields in the system	Vendors must accept schools' naming conventions
				Create a data dictionary and district nomenclature and share with vendors during procurement process
Data Governance	Class Identifier	Districts need to maintain class identifier across vendors. Some vendors don't support identifiers longer than 35 characters. That is	Schools need to create different sets of data	Vendor must adjust, early understanding is key
				Some vendors might have to modify their product

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Category	Issue Name	Problem	Impact	Recommendation
Data Governance	PII	Parents are reluctant to share student infom across vendors	Slow adoption and lack of project continuity. Potentially project termination	Share information with parents about privacy and benefits compare to other solutions
				Use API to share only the infom that you need to share
Deployment	Integration go-live errors	There are glitches and errors when the integration goes live	Potentially it can bring the systems down	Test first in your sandbox environment
				Request vendors to work with testing environments
				Ask vendors about their experience with previous deployments
				Adopt UAT practices
Implementation	Expectations are not met	Certified vendors promise features that they cannot deliver and are part of the spec	Product is not working as expected	Use this form to contact IMS Global : https://www.imsglobal.org/contactus.cfm

Participating Institutions: Fulton County Schools, Clayton County Schools, Orange County Public Schools, Escambia County Schools, Volusia County Schools, Indian River School District, and The Virtual High School

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