



STATE OF HAWAII  
DEPARTMENT OF EDUCATION

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OFFICE OF THE SUPERINTENDENT

May 19, 2015

TO: The Honorable Brian De Lima  
Chairperson, Committee on Finance and Infrastructure

FROM: Kathryn S. Matayoshi  
Superintendent

SUBJECT: **Update on the Replacement of Electronic Student Information System ("eSIS"): Implementation Plan and Fiscal Aspects of Replacement**

1. DESCRIPTION

Update on the Department's efforts to replace its current student information system which has reached its end-of-life stage.

2. UPDATE / PRESENTATION

Presentation on the:

- a. general background of the project
- b. importance of replacing the current system
- c. implementation plan, timelines, activities
- d. steps and processes to ensure success

KSM:CS:lm

Attachment

c: Office of Information Technology Services

# Student Information System (SIS) Replacement

- Achieving successful systems of support (Goal 3)
- Reducing administrative burden at the schools
- Mitigating risks



What are we doing?

Why is it so important?

What's the plan?

How will we ensure success?



## What are we doing?

### Enabling Successful Systems of Support (Goal 3)

- Acquire and implement a new Student Information System (SIS)
- Replace an aging system that has reached its “end-of-life”<sup>1</sup>
- A statewide system rollout by school year 2016-2017

<sup>1</sup> End-of-life is the final phase of the system lifecycle and as a result the vendor will no longer provide system maintenance which severely limits the extent to which we may add or modify system functionality.

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## Why is it so important?

### Benefits of an improved SIS

- Provides district and school leaders with essential information<sup>2</sup> for improving student achievement
- Allows teachers to spend more time teaching and less time on administrative tasks
- Be more responsive to students' specific needs based on their performance
- Improve data quality

<sup>2</sup> Enrollment, demographics, grades/marks, attendance, schedules, course history, achievement profiles, graduation/diploma requirements

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## Why is it so important?

### **Not replacing the aging SIS puts HIDOE at high risks for:**

- **Delay in achieving successful systems of support (Goal 3)**
- **Non-compliance with changes in Federal and/or State laws**
- **Cyber attacks**
- **Data loss**
- **System downtime or latency**
- **Rework and unproductivity**



## Why is it so important?

### **Foundation for the future and vision of a fully integrated Instructional Management System (IMS).**

- **Student Information System (SIS)**
- **Special Education System (SPED)**
- **Response to Intervention System (RTI)**
- **Curriculum/Content Management System (CMS)**
- **Learning Management System (LMS)**



# A Vision for the Future

*The Foundation for Building a Fully Integrated Instructional Management System starts with an SIS*

			<ul style="list-style-type: none"> <li>• Individualized Education Plan</li> <li>• Section 504</li> <li>• Multi-Tiered System of Support</li> <li>• Response to Intervention</li> <li>• Discipline</li> <li>• Guidance &amp; Special Services</li> </ul>	Implementation/Integration
		<ul style="list-style-type: none"> <li>• Assessment and Growth</li> <li>• Instruction Design &amp; Delivery</li> <li>• Standards &amp; Curriculum</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment and Growth</li> <li>• Instruction Design &amp; Delivery</li> <li>• Standards &amp; Curriculum</li> </ul>	
	<ul style="list-style-type: none"> <li>• Student Health</li> <li>• Teacher Web Portal</li> <li>• Parent Student Portal</li> <li>• Standards-Based Report Cards (secondary)</li> <li>• Gradebook</li> <li>• eTranscript</li> <li>• Roster Verification</li> </ul>	<ul style="list-style-type: none"> <li>• Student Health</li> <li>• Teacher Web Portal</li> <li>• Parent Student Portal</li> <li>• Standards-Based Report Cards (secondary)</li> <li>• Gradebook</li> <li>• eTranscript</li> <li>• Roster Verification</li> </ul>	<ul style="list-style-type: none"> <li>• Student Health</li> <li>• Teacher Web Portal</li> <li>• Parent Student Portal</li> <li>• Standards-Based Report Cards (secondary)</li> <li>• Gradebook</li> <li>• eTranscript</li> <li>• Roster Verification</li> </ul>	
<ul style="list-style-type: none"> <li>• Demographics</li> <li>• Marks Entry</li> <li>• Attendance</li> <li>• Scheduler</li> <li>• Registration</li> <li>• Standards-Based Report Cards (Elementary)</li> <li>• Diploma</li> </ul>	<ul style="list-style-type: none"> <li>• Demographics</li> <li>• Marks Entry</li> <li>• Attendance</li> <li>• Scheduler</li> <li>• Registration</li> <li>• Standards-Based Report Cards (Elementary)</li> <li>• Diploma</li> </ul>	<ul style="list-style-type: none"> <li>• Demographics</li> <li>• Marks Entry</li> <li>• Attendance</li> <li>• Scheduler</li> <li>• Registration</li> <li>• Standards-Based Report Cards (Elementary)</li> <li>• Diploma</li> </ul>	<ul style="list-style-type: none"> <li>• Demographics</li> <li>• Marks Entry</li> <li>• Attendance</li> <li>• Scheduler</li> <li>• Registration</li> <li>• Standards-Based Report Cards (Elementary)</li> <li>• Diploma</li> </ul>	
Phase I	Phase II*	Phase III*	Phase IV*	7

(\*Phases II, III and IV may be subject to change)

## What is the plan?

### Realize benefits and mitigate risks by:

1. **Select an SIS solution that best meets HIDOE needs via a competitive bidding process**
  - SIS Evaluation Committee (39 members of which 15 are active school-level personnel)
2. **Submit a budget request to fund the project<sup>3</sup>**
3. **Start system implementation in April 2015**
4. **Deliver comprehensive and consistent training tailored to HIDOE needs**

<sup>3</sup> Existing funds are allocated to initiate this project but due to the multi-year implementation, this budget request is necessary to continue a statewide system implementation by the 2016-2017 school year.



## Evaluation Process

- Formed evaluation committee (39 members)
  - 15 school level members (principals, teachers, counselors, registrars, clerks)
  - 22 DOE state level members (Curriculum/Instruction, Assessment, IT, Data Governance, Human Resources)
  - 1 Public Charter School Commission member
  - 1 Hawai'i P-20 (UH affiliate) member
- Members reviewed approx. 1,400 system requirements and 300 demonstration requirements
- Released the RFP on July 22, 2014
- Members reviewed offeror responses and ranked using scoring process
- Evaluated multiple vendor demonstrations over a span of 2 weeks



## Contract Award

The contract was awarded to  
**Infinite Campus, Inc.** and fully executed

### About Infinite Campus:

- Founded in 1993
- Blaine, Minnesota
- More than 2,000 school districts across 42 states, approximately 6.6M students



## How will we ensure success?

1. **Ensure alignment to the Strategic Plan (align to Strategic Plan Goals)**
2. **Establish clear objectives of the project and attain leadership buy-in**
  - Governance Committee
  - Project Agreement
  - Communicate early and often
3. **Deliver upon those objectives**
4. **Measure success based on school feedback<sup>5</sup>**
5. **Adopt a Plan-Do-Check-Act (PDCA) approach and continue to improve from lessons learned throughout the project**

<sup>5</sup> Increase in the percentage of employees reporting satisfaction with technology support (Goal 3B Target IV) and decrease the administrative burden at the school level via use of technology and centralization (Goal 3B Target V)



## Student Information Management (SIM) Governance Committee

A steering committee comprised of school and district leaders, user advocates, subject matter experts, data stewards and technologists to ensure project success



## Proposed Governance Committee

Advocacy & Working Committees	Steering Committee	Executive Committee
School User Advocacy Group	Complex Area Superintendent Representatives (2)	Superintendent
Technical Architecture Review Committee	Principal Representative	Deputy Superintendent
Intra-Department Committee	Curriculum & Instruction Branch Director	Assistant Superintendent (OCISS)
Advisory Groups	Student Support Branch Director	Assistant Superintendent (OITS)
CAS Leadership Team	Assessment & Accountability Branch Director	Assistant Superintendent (OSIP)
Principals Roundtable	Data Governance & Analysis Branch Director	State Public Charter School Commission
	Enterprise Services Branch Director	
	Enterprise Architecture Branch Director	
	School Process & Analysis Branch Director	

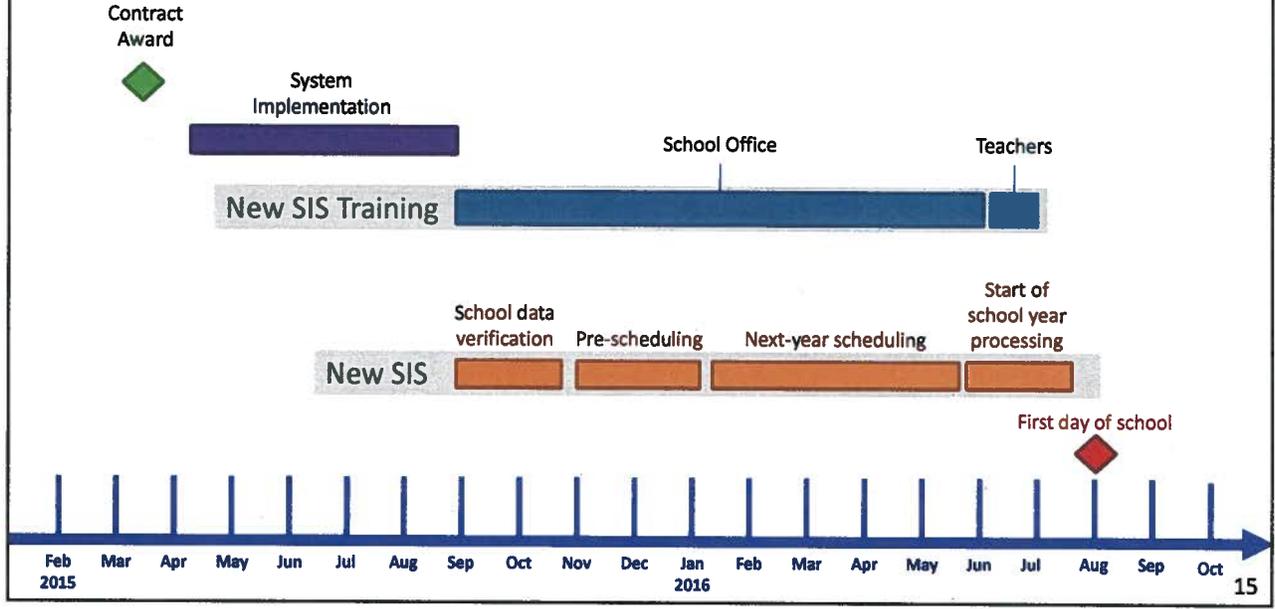
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## SY2016-17 Statewide SIS Implementation and Training Cost Estimates (based on 185,273 students)

Expenditures	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19
Software License (Maintenance & Support)	\$873K	\$899K	\$926K	\$954K	\$982K
<b>"One-time"</b> Implementation	<b>\$1.1M</b>	<b>\$405K</b>	-	-	-
Hosting	\$291K	\$599K	\$617K	\$636K	\$655K
Customizations	\$175K	\$180K	\$185K	\$191K	\$197K
<b>"One-time"</b> Vendor Training	<b>\$223K</b>	<b>\$1.37M</b>	<b>\$509K</b>	-	-
Training Staff Augmentation	-	\$331K	\$331K	\$331K	\$331K
<b>"One-time"</b> Travel Expenses	<b>\$423K</b>	<b>\$692K</b>	<b>\$207K</b>	-	-
Professional Services	\$163K	\$336K	\$347K	\$357K	\$368K
Other	-	\$40K	\$15K	\$22K	\$22K
<b>Repurposed eSIS funds</b> eSIS Legacy Funds	-	-	<b>(\$606K)</b>	<b>(\$1.37M)</b>	<b>(\$1.37M)</b>
<b>TOTAL</b>	<b>\$3.2M</b>	<b>\$4.8M</b>	<b>\$2.5M</b>	<b>\$1.1M</b>	<b>\$1.2M</b>
	Utilized Current Funding Sources	FB15-17 Budget Request <b>\$7.3M</b>		FB17-19 Budget Request <b>\$2.3M</b>	

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## SY16-17 SIS Implementation & Training Timeline Projection (Proposed)



# QUESTIONS?

