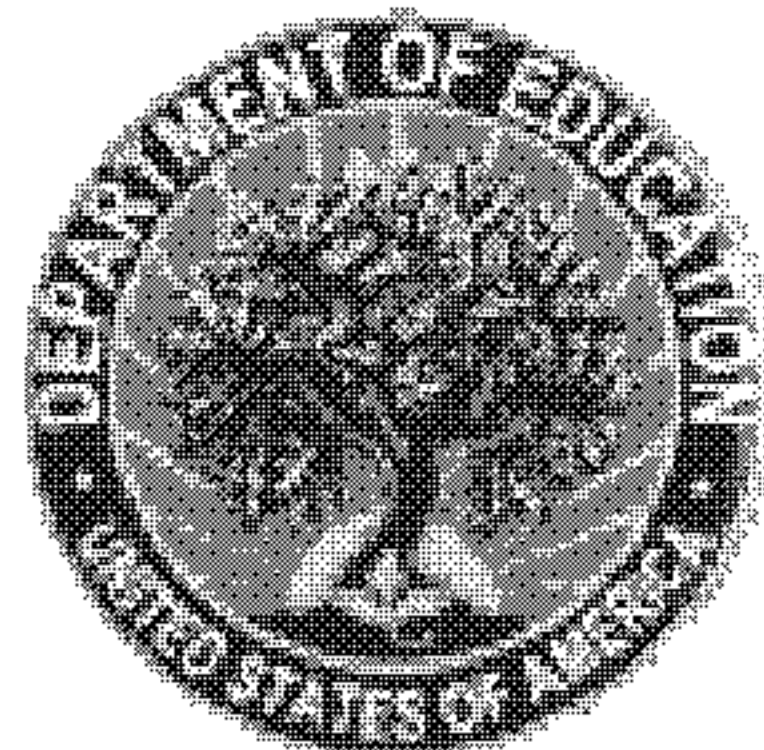


# **U.S. Department of Education**

Washington, D.C. 20202-5335



## **APPLICATION FOR GRANTS UNDER THE**

**STATEWIDE LONGITUDINAL DATA SYSTEM RECOVERY ACT GRANTS  
CFDA # 84.384A  
PR/Award # R384A100058**

Closing Date: NOV 19, 2009

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This application was generated using the PDF functionality. The PDF functionality automatically numbers the pages in this application. Some pages/sections of this application may contain 2 sets of page numbers, one set created by the applicant and the other set created by e-Application's PDF functionality. Page numbers created by the e-Application PDF functionality will be preceded by the letter e (for example, e1, e2, e3, etc.).

<b>Application for Federal Assistance SF-424</b>		Version 02
* 1. Type of Submission		
<input type="checkbox"/> Preapplication	* 2. Type of Application: * If Revision, select appropriate letter(s):	
<input checked="" type="checkbox"/> Application	<input checked="" type="checkbox"/> New	
<input type="checkbox"/> Changed/Corrected Application	<input type="checkbox"/> Continuation	* Other (Specify)
	<input type="checkbox"/> Revision	
* 3. Date Received:		4. Applicant Identifier:
12/4/2009		
5a. Federal Entity Identifier:		* 5b. Federal Award Identifier:
		n/a
<b>State Use Only:</b>		
6. Date Received by State:		7. State Application Identifier:
<b>8. APPLICANT INFORMATION:</b>		
* a. Legal Name: South Carolina Department of Education		
* b. Employer/Taxpayer Identification Number (EIN/TIN):		* c. Organizational DUNS:
576000286		069313609
<b>d. Address:</b>		
* Street1:	1429 Senate Street, Suite 1005	
Street2:	The Rutledge Building	
* City:	Columbia	
County:	Richland	
State:	SC	
Province:		
* Country:	USA	
* Zip / Postal Code:	29201	
<b>e. Organizational Unit:</b>		
Department Name:		Division Name:
Data Management & Analysis		Accountability
<b>f. Name and contact information of person to be contacted on matters involving this application:</b>		
Prefix:	Mr.	* First Name: Tom
Middle Name:		

\* Last Name: Olson

Suffix:

Title: Director, Programming Services

Organizational Affiliation:

South Carolina Department of Education

\* Telephone Number:

(803)734-8174

Fax Number:

(803)734-8237

\* Email: TOLSON@ED.SC.GOV

**Application for Federal Assistance SF-424**

Version 02

**9. Type of Applicant 1: Select Applicant Type:**

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

**10. Name of Federal Agency:**

U.S. Department of Education

**11. Catalog of Federal Domestic Assistance Number:**

84.384A

CFDA Title:

Statewide Longitudinal Data System Recovery Act Grants

**\* 12. Funding Opportunity Number:**

n/a

Title:

n/a

**13. Competition Identification Number:**

n/a

Title:

n/a

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Statewide impact (public education, social services, workforce development)

**\* 15. Descriptive Title of Applicant's Project:**

The South Carolina Longitudinal Information Center for Education (SLICE 2013)

Attach supporting documents as specified in agency instructions.

**Attachment:**

Title :

File :

**Attachment:**

Title :

File :

**Attachment:**

Title :

File :

**Application for Federal Assistance SF-424**

Version 02

**16. Congressional Districts Of:**

\* a. Applicant: 6

\* b. Program/Project: all

Attach an additional list of Program/Project Congressional Districts if needed.

**Attachment:**

Title :

File :

**17. Proposed Project:**

\* a. Start Date: 5/1/2010

\* b. End Date: 9/30/2013

**18. Estimated Funding (\$):**

a. Federal	\$ 5084464
b. Applicant	\$ 824765
c. State	\$
d. Local	\$
e. Other	\$
f. Program Income	\$
g. TOTAL	\$ 5909229

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on .

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes  No

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

**\*\* I AGREE**

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix: Dr. \* First Name: Jim  
Middle Name: H  
\* Last Name: Rex  
Suffix:

Title: State Superintendent of Education

\* Telephone Number: (803)734-8491 Fax Number: (803)734-3389

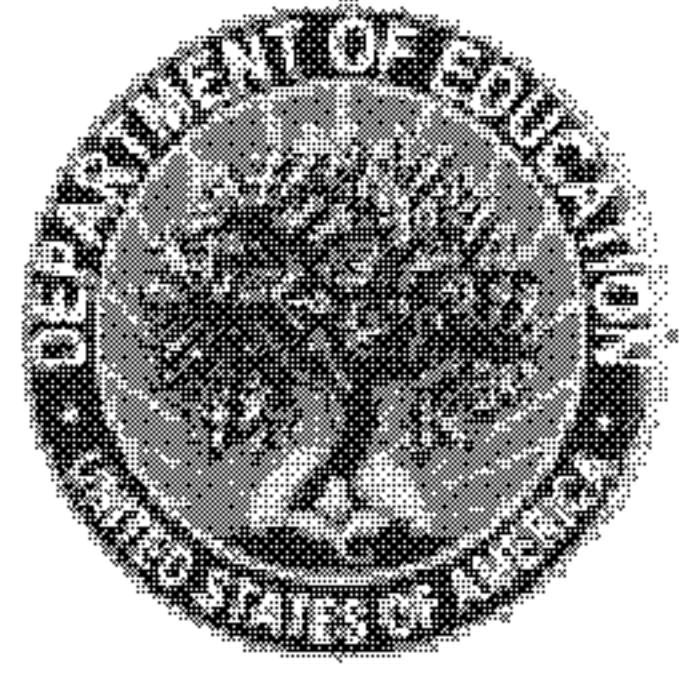
\* Email: GRANTS@ED.SC.GOV

\* Signature of Authorized Representative: \* Date Signed:

**Application for Federal Assistance SF-424** Version 02

**\* Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.



**U.S. DEPARTMENT OF EDUCATION**  
**BUDGET INFORMATION**  
**NON-CONSTRUCTION PROGRAMS**

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization:  
South Carolina Department of Edu...

Applicants requesting funding for only one year should complete the column under "Project Year 1." Applicants requesting funding for multi-year grants should complete all applicable columns. Please read all instructions before completing form.

**SECTION A - BUDGET SUMMARY**  
**U.S. DEPARTMENT OF EDUCATION FUNDS**

Budget Categories	Project Year 1(a)	Project Year 2 (b)	Project Year 3 (c)	Project Year 4 (d)	Project Year 5 (e)	Total (f)
1. Personnel	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2. Fringe Benefits	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
3. Travel	\$ 11,016	\$ 11,516	\$ 11,516	\$ 0	\$ 0	\$ 34,048
4. Equipment	\$ 10,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10,000
5. Supplies	\$ 18,200	\$ 15,600	\$ 13,700	\$ 0	\$ 0	\$ 47,500
6. Contractual	\$ 5,028,328	\$ 5,854,655	\$ 3,902,552	\$ 0	\$ 0	\$ 14,785,535
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
9. Total Direct Costs (lines 1-8)	\$ 5,067,544	\$ 5,881,771	\$ 3,927,768	\$ 0	\$ 0	\$ 14,877,083
10. Indirect Costs*	\$ 16,920	\$ 18,094	\$ 8,917	\$ 0	\$ 0	\$ 43,931
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 5,084,464	\$ 5,899,865	\$ 3,936,685	\$ 0	\$ 0	\$ 14,921,014

**\*Indirect Cost Information (To Be Completed by Your Business Office):**

If you are requesting reimbursement for indirect costs on line 10, please answer the following questions:

(1) Do you have an Indirect Cost Rate Agreement approved by the Federal government?  Yes  No

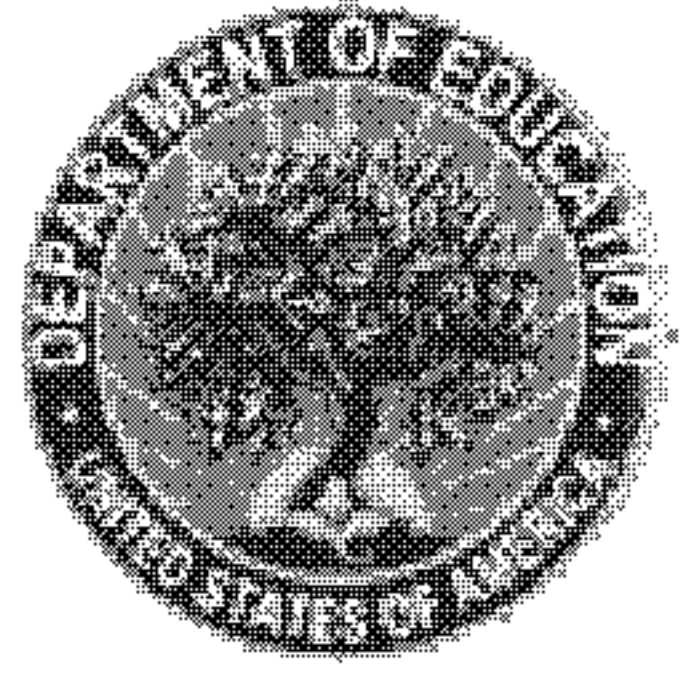
(2) If yes, please provide the following information:

Period Covered by the Indirect Cost Rate Agreement: From: 7/1/2008 To: 6/30/2011 (mm/dd/yyyy)

Approving Federal agency:  ED  Other (please specify): \_\_\_\_\_ The Indirect Cost Rate is 2%

(3) For Restricted Rate Programs (check one) -- Are you using a restricted indirect cost rate that:

Is included in your approved Indirect Cost Rate Agreement? or,  Complies with 34 CFR 76.564(c)(2)? The Restricted Indirect Cost Rate is 0%



**U.S. DEPARTMENT OF EDUCATION**

**BUDGET INFORMATION**

**NON-CONSTRUCTION PROGRAMS**

OMB Control Number: 1894-0008

Expiration Date: 02/28/2011

Name of Institution/Organization:  
South Carolina Department of Edu...

Applicants requesting funding for only one year should complete the column under "Project Year 1." Applicants requesting funding for multi-year grants should complete all applicable columns. Please read all instructions before completing form.

**SECTION B - BUDGET SUMMARY**

**NON-FEDERAL FUNDS**

Budget Categories	Project Year 1(a)	Project Year 2 (b)	Project Year 3 (c)	Project Year 4 (d)	Project Year 5 (e)	Total (f)
1. Personnel	\$ 630,711	\$ 532,568	\$ 322,044	\$ 0	\$ 0	\$ 1,485,323
2. Fringe Benefits	\$ 194,054	\$ 163,581	\$ 98,279	\$ 0	\$ 0	\$ 455,914
3. Travel	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
4. Equipment	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
5. Supplies	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
6. Contractual	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
9. Total Direct Costs (lines 1-8)	\$ 824,765	\$ 696,149	\$ 420,323	\$ 0	\$ 0	\$ 1,941,237
10. Indirect Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 824,765	\$ 696,149	\$ 420,323	\$ 0	\$ 0	\$ 1,941,237



## ASSURANCES - NON-CONSTRUCTION PROGRAMS

Standard Form 424B (Rev.7-97)

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management, and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. "4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. "1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. '794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act
9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. "276a to 276a-7), the Copeland Act (40 U.S.C. '276c and 18 U.S.C. "874) and the Contract Work Hours and Safety Standards Act (40 U.S.C. " 327-333), regarding labor standards for federally assisted construction sub-agreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. "1451 et seq.); (f) conformity of Federal actions to State (Clear Air) Implementation Plans under Section 176(c) of the Clear Air Act of 1955, as amended (42 U.S.C. "7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. "1721 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance

of 1975, as amended (42 U.S.C. " 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) " 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. " 290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. ' 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with the provisions of the Hatch Act (5 U.S.C. "1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. '470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. "469a-1 et seq.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. "2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. "4801 et seq.) which prohibits the use of lead- based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

**Signature of Authorized Certifying Representative:**

**Name of Authorized Certifying Representative:** Jim H. Rex

**Title:** State Superintendent of Education

**Date Submitted:** 10/07/2009

### Disclosure of Lobbying Activities

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

<b>1. Type of Federal Action:</b> <input type="checkbox"/> Contract <input type="checkbox"/> Grant <input checked="" type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Loan <input type="checkbox"/> Loan Guarantee <input type="checkbox"/> Loan Insurance	<b>2. Status of Federal Action:</b> <input checked="" type="checkbox"/> Bid/Offer/Application <input type="checkbox"/> Initial Award <input type="checkbox"/> Post-Award	<b>3. Report Type:</b> <input checked="" type="checkbox"/> Initial Filing <input type="checkbox"/> Material Change <b>For Material Change only:</b> Year: 0 Quarter: 0 Date of Last Report:
<b>4. Name and Address of Reporting Entity:</b> <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier, if known: 0 Name: SC Department of Education Address: 1429 Senate Street, Suite 1005 City: Columbia State: SC Zip Code + 4: 29201-3730  Congressional District, if known: 06	<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b>  Name: Address: City: State: Zip Code + 4: -  Congressional District, if known:	
<b>6. Federal Department/Agency:</b> US Department of Education	<b>7. Federal Program Name/Description:</b> ARRA Statewide Longitudinal Data Systems  CFDA Number, if applicable: 84.384	
<b>8. Federal Action Number, if known:</b>	<b>9. Award Amount, if known:</b> \$0	
<b>10. a. Name of Lobbying Registrant</b> (if individual, last name, first name, MI): The SC Department of Education Address: does not employ lobbyists. City: State: Zip Code + 4: -	<b>b. Individuals Performing Services</b> (including address if different from No. 10a) (last name, first name, MI): The SC Department of Education Address: does not employ lobbyists. City: State: Zip Code + 4: -	
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Name: Jim H. Rex Title: State Superintendent of Education Applicant: South Carolina Department of Education Date: 10/07/2009	
<b>Federal Use Only:</b>		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

## CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements.

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal Loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Statement for Loan Guarantees and Loan Insurance.

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

### APPLICANT'S ORGANIZATION

South Carolina Department of Education

### PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Prefix: Dr.      First Name: Jim

Middle Name: H

Last Name: Rex

Suffix:

Title: State Superintendent of Education

Signature: \_\_\_\_\_

Date:

10/07/2009

ED 80-0013

03/04



# Project Narrative

## Project Narrative - Project Abstract

### Attachment 1:

Title: **SLICE 2013 Project Abstract Pages: 1** Uploaded File: **F:\USERS\Grants\SDE Grant proposals\Technology\Longitudinal Data System\LDS Dec 09\lds 09 abstract.pdf**

South Carolina Longitudinal Information Center for Education (SLICE 2013)  
Proposal Abstract

The South Carolina Department of Education (SCDE), with key partners, requests \$14,921,014 in grant funds to expand a statewide longitudinal data system (SLDS) to support instruction and learning across the pre-kindergarten-to-postsecondary educational spectrum (P-20). The proposed SLDS—the South Carolina Longitudinal Information Center for Education (SLICE 2013)—will create the foundation for integrating K–12 data systems with early childhood data systems, other human service systems, postsecondary data systems, and workforce data systems.

SLICE 2013 also addresses the 12 required elements of a P-20 education data system under the America COMPETES Act through collaboration with institutions and agencies of the higher education system in South Carolina. Our outcomes form the foundation of an educational data system that supports and informs all learners and constituents. The 10 outcomes are:

1. Establish data governance structures to include P-12, higher education, workforce agencies, health and human services agencies, and other child care agencies in South Carolina.
2. Facilitate and create P-20 data exchanges among educational agencies and institutions within the state and among other states so that data may inform policy and practice.
3. Expand the existing SLDS educational data warehouse to include new data sources and new interfaces.
4. Integrate educator data into the SLDS to facilitate assessment of educator performance and to inform teachers of their impact on student performance.
5. Implement further data quality controls within the statewide student information system so that data are complete, correct, and meaningful.
6. Integrate assessment data from sources other than statewide testing into the data warehouse to facilitate teacher planning at the learner level and to foster differentiated instruction.
7. Implement a unique program identification numbering system (P-ID) so that educational programs throughout the state can be evaluated for effectiveness.
8. Implement a statewide curriculum management system (CMS) to manage South Carolina's default curriculum and common core curriculum, integrate learning standards into curriculum and planning, analyze assessment results related to learner performance, and facilitate educator planning to improve learner performance.
9. Implement a unique educator ID numbering system (ED ID) to identify teachers, administrators, counselors, media specialists, and other educators who work with students.
10. Create and provide accessible training for all agency partners and stakeholder groups.

This proposal to implement a comprehensive statewide longitudinal data system is critical to South Carolina's efforts to reform its education system so learners are successful in the P–20 environment and the workplace. SLICE 2013 will produce two important products: (1) The resources for South Carolina to take educational information technology to the next levels—analysis and application of data in addressing educational needs and issues, and (2) strategies and resources that can be replicated in other states. SLICE 2013 will provide high-quality data to inform the actions of educators and policymakers in their efforts to address the distribution of effective teachers and education leaders, the use of rigorous standards and assessments, and the transformation of struggling schools – all of which are critical factors in improving learner performance. In addition, SLICE 2013 will offer integrated data to provide broader analyses of the impact of P-20 efforts on the statewide economy.

# Project Narrative

## Project Narrative - Project Narrative

### Attachment 1:

Title: **SLICE 2013 Project Narrative Pages: 30** Uploaded File: **F:\USERS\Grants\SDE Grant proposals\Technology\Longitudinal Data System\LDS Dec 09\LDS 09 Proposal Narrative final.pdf**



## A. NEED FOR THE PROJECT

The South Carolina Department of Education (SCDE) has developed a statewide longitudinal educational data system with federal funding provided by the FY 2006 statewide longitudinal data systems (SLDS) grant. The FY 2006 grant allowed South Carolina to lay a solid, stable foundation for a fully functional SLDS.

### 1. Current Status of South Carolina's Statewide Longitudinal Data System

Since 2006, the SCDE has been a leader in national efforts to create and use statewide longitudinal data systems (SLDS) for public education. The SCDE has already implemented several key SLDS components as part of systems and other data projects at the state level and as part of the FY 2006 SLDS grant:

- Led the nation in developing strategies to create and use statewide unique student identification numbers; the SCDE's Student Unique Numbering System (SUNS), based on Schools Interoperability Framework (SIF) functionality, is a model used in other states and large districts around the country
- Implemented SIF architecture in every school district in South Carolina
- Defined and implemented a state-level technical architecture as a foundation for developing the SLDS
- Upgraded SCDE's data network security infrastructure by implementing Novell's Identity Manager software and transitioned to district-level control for assigning and maintaining role-based access for school and district staff
- Designed, developed, and implemented an enterprise data dictionary
- Improved *EDFacts* reporting capabilities by establishing processes, procedures, and programs needed to improve the quality of data submitted to USED
- Completed the structure of and stored data in the educational data warehouse within the State's Data Warehouse in the Office of Research and Statistics; the warehouse contains
  - three years of Student Information System data
  - three years of state standardized assessment test data (grades 3–8)
  - three years of South Carolina High School Exit Exam data
  - three years of teacher employment and credential data
  - one year of student Individual Graduation Plan data
- Developed a public interface to the data warehouse so that diverse education stakeholders can access and analyze aggregated and disaggregated data
- Developed a data integration system to help identify middle and high school students who may be at risk for dropping out of school or for unsuccessful educational experiences
- Developed and implemented an online system for electronic individual graduation plans (E-IGP) for middle and high school students to use in planning secondary academic and career goals
- Developed and implemented an electronic transcript system (*e-Transcript*) that sends individual student transcripts from K–12 schools to institutions of higher education (IHEs) (Postsecondary Electronic Standards Council (PESC)-compliant); provisions are in place to enable *e-Transcripts* between K–12 schools and among/between IHEs
- Integrated systematic collection and maintenance of K–12 student-level data from the statewide K–12 Student Information System (SIS) with data from statewide

assessments, individual student graduation planning, teacher certification and credential system, and other sources to track the following enrollment, demographic, and participation data:

- (1) entry, exit, and transfer into and out of programs
- (2) completers and dropouts
- (3) student-level transcripts, including courses completed and grades earned
- (4) student-level results from college readiness tests.

These results from the FY 2006 SLDS grant and other strategic state systems and data efforts evince not only South Carolina's keen understanding of the need to collect, share, and use data to reform the way public education serves its learners, but also South Carolina's commitment to transparency and accountability as essential elements of reform.

## **2. Required Capabilities and Key Elements to Be Developed**

While pleased with our progress and the status of these deliverables, South Carolina's existing educational SLDS, named the South Carolina Longitudinal Information Center for Education (SLICE), does not yet meet all of the recently updated federal requirements for an effective SLDS. SLICE currently meets six of seven required data system capabilities and 10 of 12 required data system elements identified in the America COMPETES Act. Table I in Appendix C details the current status of these required capabilities; Table II details South Carolina's status with the required data elements. The information below identifies the capabilities and elements that will be developed or enhanced through SLICE 2013. (Items not mentioned are fully met or implemented and will not be affected by SLICE 2013.)

Capability 1. The system must enable states to examine student progress and outcomes over time, including students' preparation to meet the demands of postsecondary education, the 21st century workforce, and the Armed Forces. Such a system must include data at the individual student level from preschool through postsecondary education and into the workforce (e.g., employment, wage, and earnings information).

- Not met.
- SLICE 2013 will include and integrate student-level data from higher education, workforce, commerce, childcare/early childhood, social and health services, and the Armed Forces.

Capability 2. The system must facilitate and enable the exchange of data among agencies and institutions within the state and between states so that data may be used to inform policy and practice. Such a system would support interoperability by using standard data structures, data formats, and data definitions to ensure linkage and connectivity among the various levels and types of data.

- Partially met.
- The current SLDS has incorporated the standards of the Schools Interoperability Framework Association (SIFA) and the PESC to promote linkage and connectivity through standard data structures and formats within P-20 data environments. Our focus has been limited to the K-12 environment and the electronic submission of transcripts from K-2 to postsecondary institutions. SLICE 2013 will integrate data collection and reporting requirements across the P-20 environment and into workforce data sets. SLICE 2013 also extends these efforts across state boundaries. Full integration with agencies outside K-12 and with other states (outside the scope of the original SLDS project) is an integral part of SLICE 2013.

Capability 3: The system must link student data with teachers, i.e., it must enable the matching of teachers and students so that a given student may be matched with particular teachers primarily responsible for providing instruction in various subjects.

- Fully met.
- SLICE 2013 will enhance the capability to automate the integration of data from different sources.

Capability 4: The system must enable the matching of teachers with information about their certification and teacher preparation programs, including the institutions at which teachers received their training.

- Fully met.
- SLICE 2013 will enhance this system capability by automating and augmenting associated and additional data elements about IHEs.

Capability 5: The system must enable data to be easily generated for continuous improvement and decision-making, including timely reporting to parents, teachers, and school leaders on the achievement of their students.

- Partially met.
- The current SLDS informs continuous improvement and decision-making; however, additional functionality and interfaces are needed to ensure that teachers, other educators, and parents have immediate, secure access to data and to ensure the long-term sustainability of the system.

Capability 6: The system must ensure the quality and integrity of data contained in the system.

- Partially met.
- The current SLDS includes a process to confirm the validity of data collected from districts and schools; however, this process is time-consuming and requires multiple data collections within short periods of time. The current statewide Student Information System, *PowerSchool*, does not currently trap for data errors at entry, resulting in post-entry processing to identify entry errors and returning error reports to districts for correction. SLICE 2013 adds data validation at the point of entry to ensure that errors are caught before collection by the state.

Capability 7: The system must provide the state with the ability to meet reporting requirements of the US Department of Education, especially reporting progress on the metrics established for the State Fiscal Stabilization Fund and the reporting requirements included in the *EDFacts* data collection and reporting system.

- Partially met.
- As part of its implementation of the current SLDS, the SCDE has improved procedures for *EDFacts* reporting. In 2007, SCDE participated in successful proof-of-concept strategies for using SIF XML for submission of *EDFacts* data. SLICE 2013 will automate the extraction and formatting of *EDFacts* data.

**Required Data System Elements:** South Carolina's existing SLDS fully or partially meets 10 of 12 data system elements required by the America COMPETES Act, as described below (see Table II in Appendix C for detailed descriptions):

Element 1: A unique statewide student identifier that does not permit a student to be individually identified by users of the system (except as allowed by Federal/State law).

- Substantially met.

- Currently, the state’s unique student identification numbering system, called SUNS, is not integrated with the state’s early childhood or postsecondary systems. SLICE 2013 will extend the unique student identifier system to the early childhood environment and facilitate the inclusion of the unique student identifier in higher education student records.

Element 2: Student-level enrollment, demographic, and program participation information

- Substantially met.
- K–12, early childhood, postsecondary education, workforce, and health and human services agencies maintain the enrollment, demographic, and program participation data required for their specific programs. SLICE 2013 will create the integrated governance and mechanisms by which these disparate databases can share information across the complete P-20 and workforce environments.

Element 3: Student-level information about the points at which students exit, transfer in, transfer out, drop out, or complete P-16 education programs.

- Substantially met.
- K–12, early childhood, IHEs, workforce, and health and human services agencies maintain the specific entry, exit, transfer, dropout, and completion data required for their programs. SLICE 2013 will create the governance and mechanisms by which these disparate databases can exchange information across the complete P-20 and workforce environments.

Element 4: The capacity for K–12 education to communicate with higher education data systems.

- Not met.
- In South Carolina, P-12 and postsecondary data are not currently linked by any mechanism. A primary objective of SLICE 2013 is the integration of P-12 and postsecondary data.

Element 5: A state data audit system assessing data quality, validity, and reliability.

- Partially met.
- Currently, the SCDE validates key elements in data collected from districts. Validation results are sent to each district so that errors can be corrected in the local SIS. Districts can transmit data to the SCDE in advance of data collection deadlines to have the data validated early. Early validation provides districts the opportunity to correct errors before final submission. SLICE 2013 adds data validation at the point of entry into the statewide Student Information System (SIS). This method of validating data will ensure that errors are caught before collection by the state.

Element 7: Information on students not tested, by grade and subject.

- Fully met.
- Based on recommendations in the Data Quality Campaign’s essential elements document, SLICE 2013 includes strategies to collect additional data about untested students, including the reason why a student was not tested.

Element 8: A teacher identifier system with the ability to match teachers to students.

- Partially met.
- In the current SLDS, teachers are uniquely identified within their individual districts. South Carolina needs a system that will uniquely identify all other educators (administrators, counselors, etc.) who work with students. Similar to the state’s unique

