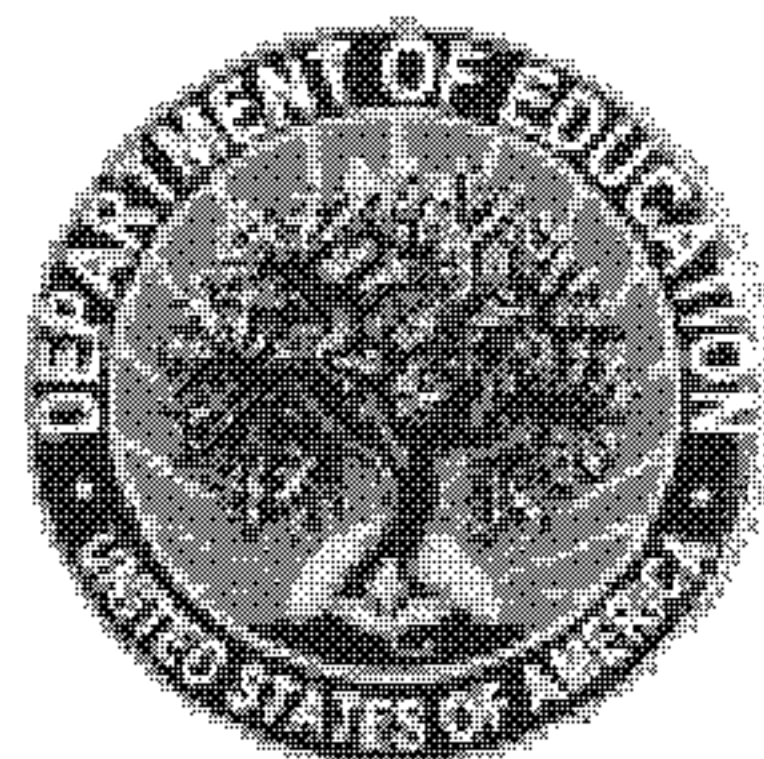


U.S. Department of Education

Washington, D.C. 20202-5335



APPLICATION FOR GRANTS UNDER THE

**STATEWIDE LONGITUDINAL DATA SYSTEM RECOVERY ACT GRANTS
CFDA # 84.384A
PR/Award # R384A100037**

Closing Date: NOV 19, 2009

****Table of Contents****

Forms

1. Application for Federal Assistance (SF-424)	e1
2. Standard Budget Sheet (ED 524)	e5
3. SF 424B - Assurances Non-Construction Programs	e7
4. Disclosure of Lobbying Activities	e9
5. ED 80-0013 Certification	e10
6. Dept of Education Supplemental Information for SF-424	e11
Exempt Research Narrative	e13

Narratives

1. Project Narrative - (Project Narrative - Project Abstract...)	e14
Virginia LDS Grant Project Abstract	e15
2. Project Narrative - (Project Narrative - Project Narrative...)	e16
Virginia LDS Narrative	e17
3. Project Narrative - (Project Narrative - Appendix A, Optional Attach.....)	e48
Virginia LDS Grant Appendix A	e49
4. Project Narrative - (Project Narrative - Appendix B Resumes of Key P.....)	e64
Virginia LDS Grant Appendix B	e65
5. Project Narrative - (Project Narrative - Appendix C Current Status o.....)	e94
Virginia LDS Grant Appendix C	e95
6. Project Narrative - (Project Narrative - Appendix D Letters of Support...)	e99
Virginia LDS Grant Appendix D	e100
7. Budget Narrative - (Budget Narrative - Budget Justification...)	e114
Virginia LDS Budget Narrative	e115
8. Budget Narrative - (Budget Narrative - ED 524 Section C Spreadsheet...)	e129
Virginia LDS Section 524 C	e130

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.).

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission	* 2. Type of Application:* If Revision, select appropriate letter(s):	
<input type="checkbox"/> Preapplication	<input checked="" type="checkbox"/> New	
<input checked="" type="checkbox"/> Application	<input type="checkbox"/> Continuation	* Other (Specify)
<input type="checkbox"/> Changed/Corrected Application	<input type="checkbox"/> Revision	

* 3. Date Received:	4. Applicant Identifier:
12/4/2009	

5a. Federal Entity Identifier:	* 5b. Federal Award Identifier:
	84-384A2009

State Use Only:

6. Date Received by State:	7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: Virginia Department of Education

* b. Employer/Taxpayer Identification Number (EIN/TIN):	* c. Organizational DUNS:
546001771	809740129

d. Address:

* Street1:	101 N. 14th Street
Street2:	
* City:	Richmond
County:	
State:	VA
Province:	
* Country:	USA
* Zip / Postal Code:	23219

e. Organizational Unit:

Department Name:	Division Name:
Office of Educational Information Management	Division of Technology and Career Education

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:	Mrs.	* First Name:	Bethann
Middle Name:	H		

* Last Name: Canada

Suffix:

Title: Director of Educational Information Management

Organizational Affiliation:

* Telephone Number: (804)225-2951 Fax Number: (804)786-0101

* Email: BETHANN.CANADA@DOE.VIRGINIA.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:**

ED-GRANTS-072909-001

Title:

Statewide Longitudinal Data System Recovery Act Grants

13. Competition Identification Number:

84-384A2009

Title:

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

Virginia school divisions.

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

Longitudinal Data System Expansion - linking to Workforce and Postsecondary

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: all

* b. Program/Project: all

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

Attachment:

Title :

File :

17. Proposed Project:

* a. Start Date: 4/1/2010

* b. End Date: 9/30/2013

18. Estimated Funding (\$):

a. Federal	\$ 17692564
b. Applicant	\$
c. State	\$
d. Local	\$
e. Other	\$
f. Program Income	\$
g. TOTAL	\$ 17692564

*** 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: Mrs. * First Name: Bethann
Middle Name: H
* Last Name: Canada
Suffix:

Title: Director of Educational Information Management

* Telephone Number: (804)225-2951 Fax Number: (804)786-0101

* Email: BETHANN.CANADA@DOE.VIRGINIA.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:
 Virginia Department of Education

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	\$ 576,666	\$ 588,199	\$ 599,963	\$ 0	\$ 0	\$ 1,764,828
2. Fringe Benefits	\$ 197,645	\$ 201,275	\$ 205,460	\$ 0	\$ 0	\$ 604,380
3. Travel	\$ 67,000	\$ 62,000	\$ 2,000	\$ 0	\$ 0	\$ 131,000
4. Equipment	\$ 122,992	\$ 0	\$ 0	\$ 0	\$ 0	\$ 122,992
5. Supplies	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
6. Contractual	\$ 4,518,420	\$ 6,234,801	\$ 2,098,942	\$ 0	\$ 0	\$ 12,852,163
7. Construction	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
8. Other	\$ 2,000,000	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,000,000
9. Total Direct Costs (lines 1-8)	\$ 7,482,723	\$ 7,086,275	\$ 2,906,365	\$ 0	\$ 0	\$ 17,475,363
10. Indirect Costs*	\$ 79,844	\$ 70,502	\$ 66,855	\$ 0	\$ 0	\$ 217,201
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 7,562,567	\$ 7,156,777	\$ 2,973,220	\$ 0	\$ 0	\$ 17,692,564

***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: 7/1/2009 To: 6/30/2010 (mm/dd/yyyy)

Approving Federal agency: ED Other (please specify): _____ The Indirect Cost Rate is 8.28%

(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:
Virginia Department of Education

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	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
2. Fringe Benefits	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
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)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
10. Indirect Costs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
11. Training Stipends	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
12. Total Costs (lines 9-11)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0

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: Bethann H. Canada

Title: Director of Educational Information Mgt

Date Submitted: 11/20/2009

Disclosure of Lobbying Activities

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

1. Type of Federal Action: <input type="checkbox"/> Contract <input checked="" type="checkbox"/> Grant <input type="checkbox"/> Cooperative Agreement <input type="checkbox"/> Loan <input type="checkbox"/> Loan Guarantee <input type="checkbox"/> Loan Insurance	2. Status of Federal Action: <input checked="" type="checkbox"/> Bid/Offer/Application <input type="checkbox"/> Initial Award <input type="checkbox"/> Post-Award	3. Report Type: <input checked="" type="checkbox"/> Initial Filing <input type="checkbox"/> Material Change For Material Change only: Year: 0Quarter: 0 Date of Last Report:
4. Name and Address of Reporting Entity: <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier, if known: 0 Name: Virginia Department of Education Address: PO Box 2120 City: Richmond State: VA Zip Code + 4: 23218-	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Name: Address: City: State: Zip Code + 4: - Congressional District, if known:	
6. Federal Department/Agency: US Department of Education	7. Federal Program Name/Description: National Center for Education Statistics CFDA Number, if applicable: 84.384A	
8. Federal Action Number, if known: 84-384A2009	9. Award Amount, if known: \$0	
10. a. Name of Lobbying Registrant (if individual, last name, first name, MI): Address: City: State: Zip Code + 4: -	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): Address: City: State: Zip Code + 4: -	
11. 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: Bethann H. Canada Title: Director of Educational Information Mgt Applicant: Virginia Department of Education Date: 12/03/2009	
Federal Use Only:		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

Virginia Department of Education

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Prefix: First Name: Bethann Middle Name: H

Last Name: Canada Suffix:

Title: Director of Educational Information Mgt

Signature: _____

Date:

11/20/2009

**SUPPLEMENTAL INFORMATION
REQUIRED FOR
DEPARTMENT OF EDUCATION GRANTS**

1. Project Director:

Prefix: * First Name: Middle Name: * Last Name: Suffix:
Mrs. Bethann H Canada

Address:

* Street1: 101 N. 14th Street
Street2:
* City: Richmond
County:
* State: VA * Zip / Postal Code: 23219 * Country: USA

* Phone Number (give area Fax Number (give area
code) code)
(804)225-2951 (804)786-0101

Email Address:

BETHANN.CANADA@DOE.VIRGINIA.GOV

2. Applicant Experience

Novice Applicant Yes No Not applicable

3. Human Subjects Research

Are any research activities involving human subjects planned at any time during the proposed project period?

Yes No

Are ALL the research activities proposed designated to be exempt from the regulations?

Yes Provide Exemption(s) #: 1,5

No Provide Assurance #, if available:

Please attach an explanation Narrative:

Attachment:

Title : Exempt Research Narrative
File : E:\DraftDocuments\Exempt Research Narrative.doc



Exempt Research Narrative

VDOE is proposing to conduct research studies involving human subjects: a study that will provide estimates of individual teacher impact in the classroom, a study of students' postsecondary outcomes, and a study of individual students' state assessment results in an effort to measure student growth from year to year. Both studies will involve using individual student assessment results.

These research activities are covered by exemptions number 1 and 5. The research involves normal educational processes – the testing of students; and is designed to evaluate educational programs.

Project Narrative

Project Narrative - Project Abstract

Attachment 1:

Title: **Virginia LDS Grant Project Abstract** Pages: **1** Uploaded File:

F:\AllTheARRADocuments\FinalProducts\VirginiaLDSProjectAbstract.pdf

Virginia's Longitudinal Data Systems Enhancement Project

The Virginia Department of Education (VDOE) —in partnership with the Office of the Governor, the State Council of Higher Education (SCHEV), the Virginia Community College System, the Virginia Information Technologies Agency, and Virginia's workforce agencies—proposes to expand on the advancements we have made through our current Statewide Longitudinal Data Systems (SLDS) grant. VDOE, SCHEV, and several workforce agencies have completed the work needed to meet two of the seven data system capabilities and eight of the 12 data system elements required by the America COMPETES Act, and we have partially met another four capabilities and two elements. In order to establish a comprehensive, longitudinal P-20 data system, we propose to:

- **Create an integrated K-12 student-teacher information system that matches individual teachers to students.** We will accomplish this by developing and validating course enrollment/completion and teacher/principal evaluation data collections, upgrading the existing teacher licensure system, and developing a needs-based competitive grant program for local school divisions to support their efforts towards system integration.
- **Create a longitudinal data linking and reporting system with the ability to link data among state agency data sources, including K-12, higher education, and workforce systems.** Using a federated system to merge data across agencies, we will: develop a rubric to document data element definitions, data requirements, and technical requirements for de-identified data sets that can be linked among agencies; build a central linking directory based on data sharing agreements in place or established as part of the grant project; and establish a query process for authorized user access that uses the linking directory to anonymously join individual-level records from multiple data sources.
- **Develop a web-based portal to provide one-stop access to education and workforce data by policymakers, educators, the public, program directors, researchers, etc.** To increase the accessibility of existing data, we propose a portal with different levels of access for publicly-available data and reports, as well as access to non-public data for authorized users.
- **Design a data management and control system that enables us to maximize data quality, ensure accessibility with appropriate security, and enhance the usefulness of the data in both existing and proposed systems.** We plan to develop and implement comprehensive cross-agency data sharing policies and practices and standards for data exchange, as well as data security measures that maintain privacy of personally identifiable information, and clear protocols for role-based data access at all levels. We also intend to enhance existing data audit systems to improve data quality, validity, and reliability.
- **Develop a mechanism for postsecondary institutions to receive transcript data.** We propose to develop a secure mechanism to permit postsecondary institutions to receive high school transcript data electronically, and are proposing to use grant funds to carry out a pilot project with VCCS and selected four-year institutions for electronic transfer of transcript data to them, and for integration of those data into existing systems.

For each outcome, we plan to develop and implement customized live and electronic training tools to meet a variety of user needs. Completion of the proposed project will propel Virginia's data collection, reporting, and analytic capabilities far beyond current levels, and will result in a statewide longitudinal data system that will be fully able to meet all the required data system capabilities and data elements.

Project Narrative

Project Narrative - Project Narrative

Attachment 1:

Title: **Virginia LDS Narrative** Pages: **31** Uploaded File:

G:\AllTheARRADocuments\FinalProducts\VirginiaLDSNarrative.pdf

Table of Contents

(a)	Need for Project	1
	Current status of the State’s statewide, longitudinal data system.....	1
	Using data to support educational goals in Virginia	3
	Publicly available data	5
	Secure and restricted use data availability	6
	Required data system capabilities and key elements to be developed or improved	8
	Linking K-12 and higher education systems	8
	Collaboration with workforce agencies	8
	Training or technical assistance needs to be addressed through the grant.....	12
	Using the system to address the requirements of the State Fiscal Stabilization Fund	12
(b)	Project Outcomes Related to System Requirements and Implementation.....	13
	Outcome 1: Create an integrated K-12 student-teacher information system.....	13
	Development of the Course Enrollment/Completion Data Collection	14
	Development of the Teacher/Principal Evaluation Data Collection.....	14
	Upgrade of the Teacher Licensure System	15
	Outcome 2: Create a longitudinal data linking and reporting system.....	16
	Federated data systems	16
	Using a federated system to merge data across agencies.....	16
	Moving from siloed agencies to a federated data system	17
	Salient features of the federated system.....	18
	Outcome 3: Develop a web-based portal to access education and workforce data	19
	Outcome 4: Design a data management and control system	20
	Data Management	20
	Data Control.....	20
	Outcome 5: Develop a secure mechanism for post-secondary institutions to receive high school transcripts in the form of electronic data.....	21
	e Transcripts.....	21
(c)	Timeline for Project Outcomes.....	22
	Outcome 1: K-12 Student/Teacher Integrated System	22
	Outcome 2: Longitudinal Data linking and Reporting System.....	23
	Outcome 3: Web-based Reporting Portal	24
	Outcome 4: Data Management	24
	Outcome 5: eTranscripts	25
(d)	Project Management and Governance Plan.....	25
	Project Management	25
	Departmental Approvals & Oversight	25
	Management Controls	26
	Project Governance Structure	26
	Project Organization	26
	Project Roles	26
	System Governance Structure (Post-project).....	27
	Governance Organization	27
	Partnering Opportunities	28
(e)	Project Staffing.....	28

(a) NEED FOR PROJECT

Virginia began establishing a statewide longitudinal data system in 2002. Since that time, the system has evolved significantly to enable the Commonwealth to meet state and federal reporting requirements while providing significant data and information to educators throughout the Commonwealth and to the public. In the 21st century and beyond, we must increase our citizens' education and training levels to support their quality of life and economic stability. To accomplish this, it is critical that policymakers, program directors, educators, researchers, and citizens have access to high-quality information to make informed decisions as they direct and navigate the education and workforce training system. Such information can only come from state-of-the-art data and reporting systems. This request for funding was developed through a partnership among the Governor's office and Virginia's education, workforce, and information technology agencies, to propel Virginia's data collection, reporting, and analytic capabilities far beyond current capacities.

Current status of the State's statewide, longitudinal data system

Virginia established its statewide longitudinal data system in part to meet the data collection and reporting requirements of the Elementary and Secondary Education Act (ESEA). As the data collection tools were being established, state leaders recognized the critical role the state should play to ensure that all of our school systems—including those in small, rural, economically depressed communities, and others that have not invested in local data warehouses—had secure access to current and historical student level data in ways that would directly impact instruction at the local level. Virginia's solution to meeting this need is the Educational Information Management System (EIMS) managed by the Virginia Department of Education (VDOE). The EIMS system leverages the data collected for reporting requirements to provide rich decision support tools to Virginia school division¹ personnel.

Appendix C shows the status of Virginia's data systems as they relate to the required capabilities and key elements defined in the request for applications (RFA). A review of Appendix C shows that VDOE, the State Council of Higher Education for Virginia (SCHEV), and several workforce agencies have completed the work needed to meet two of the seven required capabilities and eight of the 12 required elements. We have partially met another four capabilities and two elements; and continue to have two unmet data system elements—student-level transcript information and other information determined necessary to address alignment and adequate preparation for success in postsecondary education. Even with significant progress, Virginia has the following limitations with respect to our longitudinal data system:

- Student course enrollment data in K-12 is limited to course enrollment for students in grades 6-12 in mathematics and science; VDOE does not currently collect course outcomes;
- K-12 teacher data are collected individually and are linked to schools and the names of courses they teach (i.e., their work assignments). Teacher data cannot be connected to individual students.
- There is no electronic means to link teacher course assignments to their preparation programs. As well, there are known data quality issues in the system that must be addressed to improve our ability to use the data for high quality research.²
- VDOE's lack of a statewide link between students and teachers hampers our ability to

¹ In Virginia, the term “division” is synonymous with the term “district” used by other states.

² There are no known data quality issues for data elements required for federal reporting.

provide historical data on teacher impact in the classroom. Currently, school leaders have the option of including a unique teacher identifier on the student's assessment record and an effort under the current LDS grant will optionally provide teacher access to historical data on current students only. School divisions that choose these options can access historical assessment data by teacher.

- There is no systematic or automated approach to de-identifying data for analytic use in the education and workforce agencies;
- While required on the high school transcript, the K-12 unique identifier must be manually entered into postsecondary data systems, resulting in poor data quality when data between the state agencies are required for merge;
- Virginia's P-20 data systems span several state agencies, and there is no automated system for secure linking of student-level information across agencies;³
- Not all reports and data are available from a single, user-friendly web portal, and reports that can be made available to the public must be created in an ad-hoc manner by agency staff—an inefficient, labor-intensive process that can largely be automated;
- The development of cross-agency data sharing policies and practices is in its early stages—the “initial” level on the Capability Maturity Model⁴—and no training programs are available for agency or local school personnel on appropriate cross-agency data sharing practices; and
- Agencies responsible for workforce development have significant challenges meeting their accountability requirements due to inconsistent data definitions between agencies and inefficient processes available to link and analyze data.

Despite these significant limitations, Virginia has accomplishments that demonstrate our commitment to continuously enhancing the data system and to appropriate use of prior longitudinal data system grant funds. These include:

- Institutionalizing the assignment of a unique identifier to each student;
- Integrating multiple reporting requirements into a single state student record collection; and
- Establishing and continuously enhancing the warehouse making data accessible to authorized school division personnel.

The data warehouse, available to all school divisions, contains nine years of data from high stakes assessments required for state and federal accountability purposes within the K-12 public school system. Recognizing the significant limitations in local data capabilities for many of our school divisions, our goal is to provide to our schools the most reliable and comprehensive information available. The warehouse currently permits users to disaggregate overall assessment and sub-strand results by student and includes students' longitudinal assessment history.

Virginia's current Longitudinal Data Systems Expansion project, funded in 2007 at \$6.05 million and scheduled to be completed by the end of Federal fiscal year 2010, has:

- Established a standard electronic student record for transfer from school-to-school.
- Adopted a standard electronic transcript for high schools to use electronic systems to

³ The development of a system to link early care and education to the K-12 system is in process with funding from the US Department of Health and Human Services.

⁴ Paulk, Mark C., Weber, C.V., Curtis, B., Chrissis, M.B. (1994). The Capability Maturity Model: Guidelines for Improving the Software Process. New York: Addison-Wesley Professional.

- automatically generate and send paper, pdf, and electronic transcripts to higher education.
- Provided additional data types and reports in the data warehouse, including:
 - The Preliminary Scholastic Aptitude Test (PSAT)
 - The ACT tests
 - The Scholastic Aptitude Test (SAT)
 - Pre-literacy screenings
 - Advanced Placement (AP) Tests
 - Postsecondary enrollment and completion information
- Supported school divisions in addressing data quality issues through comprehensive training to enhance awareness of the need for quality data and accountability for quality data.
- Developed a “watch list” report that enables K-12 educators to identify students at risk of not succeeding in school using indicators such as attendance, performance in reading and math, age, and retention.
- Developed the capability for school divisions to optionally upload schedules that will allow teachers access to data on current students (in progress).
- Engaged stakeholders and subject matter experts in statewide workshops that resulted in topical advisory papers on topics such as:
 - Workforce readiness
 - Data exchange best practices
 - Linking students to teachers
 - Academic and career plans

In enhancing the longitudinal data system, we have recognized the power of the Schools Interoperability Framework Association’s (SIFA) specification to improve data quality and reduce local administrative burden. SIF specifications define the rules for how software programs transmit data objects from one data system to another. Virginia has provided software, installation, and training to 120 of the Commonwealth’s 132 school divisions to help them adopt SIF-certified software and use it to reduce administrative burden. VDOE staff are active members of SIFA, serving on the Executive Board and the Student Record Exchange/e-Transcript Task Force. A Virginia school division employee serves on the elected Technical Board, and VDOE has purchased memberships in SIFA for all Virginia school divisions. State monies fund the software licensing for the Zone Integration Server and the Student Information System Agent—which together, permit data to be transferred seamlessly from one data system to another, and enables school divisions to obtain student identifiers for new and transferring students without human intervention. The success of this effort in Virginia has prompted 62 school divisions to expand their use of the SIF specification for local “horizontal” use, resulting in improved quality of local data and further reduced administrative burden. VDOE’s contract permits school divisions to use the server and agent for horizontal SIF-applications at no cost.

Using data to support educational goals in Virginia

The establishment of and enhancements to the longitudinal data system have played a key role in supporting policymakers’ ability to use data to inform state educational goals. Our accountability system is a woven blend of state and federal requirements that include:

- State school accreditation standards and public reporting (K-12);
- Federal accountability and reporting requirements, which cover the lifespan and several education and workforce agencies and many federally funded programs (e.g., the Elementary and Secondary Education Act, as amended; the State Fiscal Stabilization Fund (SFSF); the Perkins Act; the Individuals with Disabilities Act (IDEA); Workforce Investment Act; and Title IV of the Higher Education Act.
- State-established Institutional Performance Standards for state institutions of higher education as required by Virginia’s Higher Education Restructuring Act of 2005.

