

SOURCE JUSTIFICATION FORM

Bureau of Procurement

The objective of this form is to capture all relevant documentation an Agency may have to assist the Department of General Services ("DGS"), Bureau of Procurement, in expediting the source justification review process. This form must be completed electronically, signed, and submitted with all relevant documentation to DGS. If a question is neither mandatory nor applicable, please indicate "N/A". Please use standard terminology and define acronyms.

SECTION A

1. Agency Name:

Department of Education

2. Procurement Description:

This description will appear on the eMarketplace website for public viewing

Educational Value-Added Assessment System (EVAAS®) Services and web-based reporting for the Pennsylvania Value-Added Assessment System fully based and developed from the EVAAS® methodology/calculations. The Pennsylvania State Board of Education passed a resolution in 2002 "that the Value Added Assessment system shall be added as a component of the assessment system model" (See Resolution 32 Pa.B. 5151 at <http://www.pabulletin.com/secure/data/vol32/32-41/1813.html>). The selected system must meet this requirement.

The Pennsylvania Value-Added Assessment System (PVAAS) is a statistical analysis of state assessment data (such as PA School System of Assessments or PSSA) based on the EVAAS methodology/calculations. PVAAS provides Pennsylvania's 500 school districts, Career and Technology Centers and Charter Schools with progress data to add to achievement data. Using a multivariate, longitudinal, mixed model approach based on the EVAAS methodology and calculations, PVAAS provides two types of information to educators: value-added data on cohorts of students and student level projection data. Although statistically robust, the PVAAS analyses are built upon the simple concept of following each student over time, thus utilizing all available scores from each student to lessen the measurement imprecision of a student's single score.

Materials Description:

SOURCE JUSTIFICATION FORM

Bureau of Procurement

Services Description:

Since 2002, the PVAAS reporting based on the EVAAS® methodology/calculations has been provided to the Commonwealth by SAS, Inc. The EVAAS® team at SAS has provided value-added reporting in a production environment for 20 years using a multivariate, longitudinal, mixed model approach based on the EVAAS® methodology. Although statistically robust, the PVAAS analyses are built upon the simple concept of following each student over time, thus utilizing all available assessment scores for each student to lessen the measurement imprecision of a student's single score. PVAAS provides two types of information, value-added data on cohorts of students and student level projection data. Details on this sophisticated modeling approach, and its unique advantages, can be found at the following link: <http://www.sas.com/govedu/edu/services/effectiveness.html>. A brief summary is provided below.

PVAAS Value-Added Reporting: The value-added reporting based on EVAAS® analyzes available longitudinal data from previous years (looking back) to help schools evaluate how much cohorts of students have gained in a school year by answering questions such as: Did a group or subgroup of students make a year's worth of growth for a year's worth of schooling?

The robustness of PVAAS value-added modeling allows the measurement of educational influences to level the playing field for educators, allowing policy makers to set similar progress expectations for students of similar entering achievement. The inherent benefit for students is that it should not matter which school they attend. Students with similar previous achievement should expect to receive comparable opportunities to make academic progress. Thus, the rigor of PVAAS value-added modeling based on EVAAS® protects student opportunity while more fairly assessing the effectiveness of educators.

PVAAS Projection Reporting: The projection data based on the EVAAS® methodology/calculations uses the data already analyzed to help schools project (looking forward) to the future by answering questions such as: What is the percent likelihood of a student being proficient on a future PSSA or other relevant assessment? Projection data can be used for intervention planning and resource reallocation.

The PVAAS projection methodology based on EVAAS® provides educators with estimates of individual students' likelihood of reaching future academic targets. These targets include next-grade proficiency levels, requirements for high school graduation, and various measures of college readiness.

The PVAAS individual student projections (based on EVAAS® calculations) provided have been approved as growth model augmentation in Pennsylvania. The EVAAS® calculations and methodology was reviewed by the Government Accounting Office (GAO) in 2006 and is referenced in its July report to the House Education Committee, which is available on the official GAO website at:

<http://frwebgate.access.gpo.gov/cgi-bin/useftp.cgi?>

[IPaddress=162.140.64.21&filename=d06661.pdf&directory=/diskb/wais/data/gao](http://frwebgate.access.gpo.gov/cgi-bin/useftp.cgi?IPaddress=162.140.64.21&filename=d06661.pdf&directory=/diskb/wais/data/gao).

PVAAS Services: Once the SAS team receives student achievement data from the Pennsylvania Department of Education, the data are cleaned, merged and analyzed. The reporting is provided to educators in schools and districts in a password-protected website that is fully hosted at SAS, Inc. as an ASP-based solution. The reporting available to educators includes the following:

Secure, Electronic Web-Based Account Management

- 12 levels of security options
- District Administrative Account
- District Wide User Accounts
- Building Administrative Accounts
- Building User Accounts

SOURCE JUSTIFICATION FORM

Bureau of Procurement

- Account creation and management done via website by local district
- Unlimited user accounts for school districts
- IU regional accounts with access to all reporting, no student names
- Statewide accounts with access to all reporting, no student names

Content Areas

- All reporting in listed content areas listed as based on EVAAS® calculations /methodology
- Mathematics
- Science
- Reading
- Writing
- Various measures of assessment and college readiness

Custom Reports in PVAAS Web Interface, based on EVAAS® Methodology

- School search for quintiles and cumulative index with Help File
- Student search with Help File
- Custom Student Reports with Help File
- Custom Diagnostic Report with Help File

District Reports in PVAAS Web Interface, based on EVAAS® Methodology

- Value-Added with Help File
- Performance Diagnostic with Help File (whole grade and subgroups)
- Quintile Diagnostic with Help File (whole grade and subgroups)

School Reports in PVAAS Web Interface, based on EVAAS® Methodology

- Value-Added with Help File
- Performance Diagnostic with Help File (whole grade and subgroups)
- Quintile Diagnostic with Help File (whole grade and subgroups)
- Getting Results Data Worksheet

Summary Reports in PVAAS Web Interface, based on EVAAS® Methodology

- Value-Added Summary with Help File
- Performance Diagnostic with Help File (whole grade and subgroups)
- Quintile Diagnostic with Help File (whole grade and subgroups)
- School Performance Diagnostic with Help File
- School Quintile Diagnostic with Help File

Projection Summary Reports in PVAAS Web Interface, based on EVAAS® Methodology

- District (Grade Spans) with Help File (whole grade ad subgroups)
- District (Single Grade) with Help File (whole grade ad subgroups)
- School (Grades Last Tested) with Help File (whole grade ad subgroups)
- School (Single Grade) with Help File (whole grade ad subgroups)

In addition to the web reporting, SAS provides the PVAAS projection reporting (based on EVAAS® methodology/calculations) used in Pennsylvania's No Child Left Behind Growth Model for AYP Program, which was approved by the U.S. Department of Education in Spring 2008. The projection reporting is used as an augmentation of Adequate Yearly Progress (AYP). Additional details on this proposal and the use of PVAAS projections can be found at the following link:

SOURCE JUSTIFICATION FORM

Bureau of Procurement

<http://www2.ed.gov/admins/lead/account/growthmodel/pa/index.html>.

PVAAS reporting also includes summary reports available to administrators, such as scatter plots for all Pennsylvania school districts in four subject areas for grades 4 – 8 and 11. Services also include customized analyses, such as those for the Educational Assistance Program (EAP) and other groups of interest, and longitudinal files for statewide and regional reporting from PVAAS reporting.

3. Materials Shopping Cart # or Services SPR#

Not Assigned Yet

Estimated Cost:

\$5M +

Initial Contract Term:

September 1, 2010 (or u

Renewals:

4 annual one year optior

4. Supplier - Name:

SAS Institute, Inc.

Full Address:

100 SAS Campus Drive, Cary, NC 27513

Contact Name:

Chris Meehan

Telephone:

919-677-8000

FAX:

919-677-4444

E-mail:

Chris.Meehan@sas.com

SRM Supplier #:

168160

5. Delivery or service location:

Bureau of Assessment and Accountability, 333 Marke

SECTION B

- ☒ **1. Sole Source:** Only known source - Not available from another supplier.
- ☐ **2. Material/Repair/Maintenance:** Material or service MUST be compatible with existing equipment. Documentation must be provided from the manufacturer.
- ☐ **3. Used Equipment:** Value set by 2 independent 3rd party appraisals.
- ☐ **4. Professional Expert:** Describe in detail in Section C.
- ☐ **5. Exempt (Law):** A federal or state statute or regulation exempts the procurement from the competitive procedure. Any applicable information precluding the procurement from competitive procedures must be attached.
- ☒ **6. Feasibility:** Clearly not feasible to award the contract on a competitive basis.

SECTION C

SOURCE JUSTIFICATION FORM

Bureau of Procurement

1. Describe the unique features of this procurement that prohibit a competitive environment. If applicable, attach a Statement of Work ("SOW").

The methodology/calculations (Educational Value-Added Assessment System, EVAAS®) applied to PVAAS reporting uses a sophisticated modeling approach that was developed by Dr. William Sanders and others at The University of Tennessee at Knoxville. Since 2000, the technology and methodology applied to PVAAS has been owned by SAS, Inc. and is proprietary. As a result, SAS is the sole entity that has the ability to provide these services. Details on this sophisticated modeling approach, and its unique benefits, can be found at the following link:

<http://www.sas.com/govedu/edu/services/effectiveness.html>.

A sole source letter from SAS, Inc. has been attached to these procurement documents. This letter indicates that SAS, Inc. is the sole source provider of EVAAS® services in the United States.

Pennsylvania has received PVAAS reporting from SAS since 2002, when it was first introduced as a pilot program for approximately 100 districts and contracted through Intermediate Unit 13. Since then, PVAAS reporting has expanded statewide such that all 501 districts receive reporting. The Pennsylvania Department of Education now seeks to contract directly for PVAAS reporting.

Furthermore, the methodology applied to PVAAS projection reporting was submitted to the U.S. Department of Education for its proposal in the No Child Left Behind Growth Model Program, which was approved in Spring 2008. The projection reporting is used as an augmentation of Adequate Yearly Progress (AYP). It is essential that the Department continue to use this methodology in order to maintain compatibility of the reporting system utilized. Additional details on this proposal and the use of PVAAS projections can be found at the following link:

<http://www2.ed.gov/admins/lead/account/growthmodel/pa/index.html>.

2. Document and attach the research that has been conducted to date to verify the supplier is the only known source.

Online research has documented original system was developed by Dr. William Sanders and others at the University of Tennessee at Knoxville. System was then purchased by SAS Inc. and utilized by various states. Since 2000, the technology and methodology applied to PVAAS has been owned by SAS and is proprietary. As a result, SAS is the sole entity that has the ability to provide these services. Sole source confirmation letter from SAS Inc. is attached.

3. Does the supplier utilize distributors, dealers, resellers, etc.? If "Yes," please identify.

No. The SAS, Inc. EVAAS® reporting is fully hosted by SAS, Inc.

4. Are there compatibility requirements or compliance requirements with a warranty or service agreement? If "Yes," please explain.

No. Only compatibility requirement is for actual data analysis and system.

SOURCE JUSTIFICATION FORM

Bureau of Procurement

5. How has the material or service been procured in the past? Please provide previous source justifications, contracts, & PO's for this material or service.

PVAAS reporting was procured through IU 13 and IU 25. The Pennsylvania Department of Education contracted with each of these agencies to provide data analyses and reporting to Pennsylvania districts and schools from EVAAS® services. IU13 has provided the statewide PVAAS reporting from SAS, Inc. as well as reporting for the PDE Educational Assistance Program. IU25's connection to SAS, Inc and EVAAS® has specifically been for data and analyses for the pre-populated worksheets for Getting Results, Pennsylvania's School Improvement Plan/Process. PDE has now determined we should contract directly with SAS Inc. Ref. 4100022359; 4300022414; 4300079264; 43000177622.

6. If procured through the IT ITQ process, please provide original \$ amount and contract period of order. Is this the final phase of the project?

N/A

7. If this is an upgrade, addition, alteration, etc., to an earlier procurement, please describe in detail.

N/A

8. What are the consequences of not approving this procurement?

The consequences are significant for Pennsylvania. These data are used as part of the federally approved Pennsylvania Accountability Workbook for schools to make AYP. These data are required for use on the pre-populated data worksheets that all schools in Pennsylvania receive as part of their school improvement planning process. These data are required to be included and analyzed in the Getting Results, Pennsylvania's tool for school improvement planning. These plans are part of a school's required for Title I funding in Pennsylvania.

9. If timing is a factor, what is the time factor and why?

PVAAS reporting is scheduled to be released via a secure web-based interface on October 1, 2010 to all districts, schools, CTCS and charter schools in Pennsylvania that receive PVAAS reporting. SAS, Inc. will analyze data to be sent to IU25 for the Getting Results Pre-populated data worksheets by September 15, 2010 - for release to school districts on Oct, 1, 2010. Over 500 professional development sessions starting Oct 5, 2010 have been scheduled and advertised statewide to all districts and schools. Districts are registering for these sessions during the summer of 2010.

10. List any other information relevant to the acquisition of this procurement here or as an attachment.

In order to comply with the State Board of Education's 2002 decision to incorporate Value Added Assessment as a component of the assessment system model and to maintain compatability with previous reporting, an essential element of "looking back" to predict anticipated outcomes, we must continue to use the EVAAS system. NOTE: Request for sole source review submitted to OIT on 8/17/2010 and is pending.

11. For requests > \$100,000, has the supplier signed cost or pricing data certification and is the pricing breakdown attached?

Yes

SOURCE JUSTIFICATION FORM

Bureau of Procurement

SECTION D

IMPORTANT*: The printed names on this form shall constitute the signatures of these individuals. Agencies must insure that these individuals review the completed form and give their consent to apply their printed name on this form. No handwritten signatures shall be required in order for the form to be considered "signed" by those individuals whose names appear in the signature section of the form.

Shopping Cart Contact Person (Person whom DGS will contact regarding the Shopping Cart):

Name:	Cathy Anderson	P-Group:	BA3	Date:	08/13/2010
Title:	Procurement Manager	Telephone:	717-783-9792	Fax:	

Agency Contact Person: Person in your agency that DGS can contact for additional information, etc.

Name:	Cathy Anderson	Title:	Procurement Manager	Date:	08/13/2010
Telephone:	717-783-9792	Fax:		Email:	cathanders@state.pa.us

Approving Authority (Agency Head or Deputy reviewing and approving this request): Approving Authority connotes approval of the source justification and the cost or pricing data certification.

Name:	Michael Walsh	Title:	Deputy Secretary for Administrative	Date:	08/16/2010
Telephone:	717-525-5457	Fax:			

Additional Approvals (if required by Agency):

Name:	John Weiss	Title:	Bureau Director	Date:	08/16/2010
Telephone:	717-705-6359	Fax:	717-705-8021	Email:	jweiss@state.pa.us
Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	
Name:		Title:		Date:	
Telephone:		Fax:		Email:	