



January 22, 2019

Brian Campbell, *Director*
Department of Education, *Bureau of Curriculum, Assessment and Instruction*
333 Market Street
Harrisburg, PA 17126-0333

Dear Mr. Campbell:

DRC is submitting for your review revised program pricing for DRC's contract with PDE for the Pennsylvania System of Assessments (PSA)—contract number 4400015274.

2018 ACCOUNTABILITY REPORTING REWORK

BACKGROUND

After the release of the 2018 Accountability data files and the Future Ready Pennsylvania Index, PDE gathered petitions from districts that were negatively affected by inaccurate student-level data. PDE researched all petitions and provided to DRC on January 10, 2019, final clarification on a list of PDE-approved corrections. In all cases, the source of the incorrect student data was directly related to one of the following: (a) inaccurate data in the PIMS reporting files, (b) mistakes made in DRC's Attribution Systems [or inaction], or (c) late return of assessment materials.

The LEAs that have received PDE approval to correct their student data will be given the opportunity to submit revised data to PDE/DRC and/or work within DRC's Attributions Systems to revise or complete work from the 2018 system windows. The addition of student test records (for assessment materials that were returned late) will occur without involvement from the impacted LEAs unless district personnel are needed to resolve potential matches between test records and accountability student records.

PDE has requested that DRC make the approved updates to the PDE student files for accountability reporting, as well as the SPP summary files, participation rate file, and adjusted participation rate file. The scope of this pricing includes (and is limited to) the production of those files. DRC will not update any district-facing reports (District Student Data Files, summary reports, Data Interaction). Note: The updates may also cause these districts' data to be out of sync with the student data provided to PVAAS and PIMS, as well the student data used in the production of the 2018 PSSA Technical Report.

HIGH-LEVEL SCOPE DESCRIPTION AND ASSUMPTIONS

The following provides an overview of accountability-reporting corrections included with this scope.

Scenario 1 – 2018 Spring Keystone Stragglers

Test records from Keystone materials returned late (*after the cut-off for regular Keystone reporting*) will be processed against the 2018 accountability files to look for matches between the straggler test records and the grade 11 PIMS records included in accountability reporting.

- Eleven LEAs with grade 11 straggler test records will be included
- All matched straggler records will be reported at the LEA where the student was included for accountability reporting (regardless of where the student took the test)
- The updates will affect grade 11 only and will be subject specific

- No students will be added or removed
- All applicable straggler records will be loaded to the Grade 11 Attribution System
 - The PA Project Management Team will work with the LEAs for any records that do not match automatically
- Best Score will be recalculated for the affected students.

Scenario 2 – Attribution to State or Remove from Processing

DRC will process two special-handling attributions that would normally be processed during the attributions system via a petition from the LEA and approval from PDE.

- Conestoga Valley SD
 - One student was incorrectly attributed to the SD from an APS
 - All test records for the student will be attributed to the state
- Lower Moreland Township SD
 - One student is considered grade 11 by IU22, but grade 9 by the LEA
 - Student will be removed from all reporting

Scenario 3 – Match to “Missing” Test Records

DRC will reopen the Grades 3-8 and Grade 11 Attributions Systems for two LEAs that failed to use the systems’ functionality to look for “missing” test records for student records that did not automatically match to test events.

- York City SD
 - District did not attempt to find “missing” test records during the Grades 3-8 or Grade 11 Attributions Systems
- Daniel Boone Area SD/Daniel Boone Area HS
 - LEA did not attempt to find “missing” test records during the Grade 11 Attributions System
- The updates will apply only for student records that are currently attributed to the LEAs
- Records cannot be attributed outside of the districts
- The PA Project Management Team will work with the sites to find and match test records that do not match automatically
- For grade 11, Best Score will be recalculated for the affected students

Scenario 4 – Missing PIMS records

DRC will accept new PIMS records for a site that had no students in accountability reporting because of a coding error by the LEA during its upload to PIMS.

- Lehigh Valley Academy Regional Charter School
 - Update affects grades 3-8 and grade 11
- School personnel will be given access to the Grades 3-8 and Grade 11 Attributions Systems
- Test records that are unmatched to PIMS (grades 3-8) or in the Keystone Master Database (grade 11) will be available for matching to the new L.V.A.R.C.S. student records
- Records cannot be attributed outside of the charter school
- The PA Project Management Team will work with the charter school to find and match test records that do not match automatically
- For grade 11, Best Score will be recalculated for the affected students

Scenario 5 – Incorrect Economically Disadvantaged (E.D.) Data

DRC will produce “Update Files” for the Williams Valley SD, Neshaminy SD, Pittsburgh SD, and Lincoln Leadership CS to provide the necessary student-level updates.

- The files will contain all of the student records that were included in the districts’ Accountability Reporting DSDFs
- The update files will include non-editable, student-identifying information and one editable field for each student’s E.D. designation
- The update will affect all subject records for the student, regardless of whether all subject records are attributed to the site
- PDE will facilitate the distribution and collection of the update files
- The Historically Underperforming (HU) field will be updated based on updates to the E.D. field

Scenario 6 – Attribution to District Only

DRC will manually attribute records to the district-level only for eleven IU student records that were incorrectly attributed to schools.

- Nazareth Area SD
 - Eleven students across grades 3-8 only
 - Update will be done manually via PAsureID and will apply to all subjects associated with the students
 - No students will be added or removed

Scenario 7 – 2018 PSSA Stragglers

Test records from PSSA materials returned late (*after the cut-off for regular PSSA/accountability reporting*) will be processed against the 2018 accountability files to look for matches between the straggler test records and the grades 3-8 PIMS records included in accountability reporting.

- Thirteen LEAs with grades 3-8 straggler test records will be included
- All matched straggler records will be reported at the LEA where the student was included for accountability reporting (regardless of where the student took the test)
- The updates will affect grades 3-8 only and will be subject specific
- No students will be added or removed
- All applicable straggler records will be loaded to the Grades 3-8 Attribution System
 - The PA Project Management Team will work with the LEAs for any records that do not match automatically

No changes to published reports or systems

The scope of the accountability-reporting corrections will be strictly limited to the production of new PDE accountability student files and the SPP summary files, participation rate file, and adjusted participation rate file. DRC is not providing the updated files to SAS-EVAAS or PIMS, and the updates will not be applied to the following reports/systems.

- District Student Data Files | District/School Summary Reports
- eMetric’s Data Interaction System
- 2018 Technical Reports

Proposed schedule

The following high-level schedule is designed to allow DRC to process these corrections concurrently with all other program work and deliverables scheduled for the 2019 spring assessments.

- 1/18/2019 – DRC receives new PIMS data for L.V.A.R.C.S.
- 1/21 – 2/08 – DRC prepares and loads Attributions Systems
- 1/31 – 2/06 – DRC creates/delivers E.D. Update Files
- 2/07 – 2/15 – PDE manages delivery/receipt of the Update Files to/from the LEAs
- 2/11 – 2/15 – LEAs complete work in the Attributions Systems
- 2/18 – 2/22 – DRC finalizes student data with corrections/updates
- 2/25 – 3/21 – DRC creates and verifies all updated files
- 3/22/2019 – DRC delivers updated files

PRICING

The pricing for the data corrections for 2018 accountability reporting will be applied to PDE’s 2018-19 fiscal year as outlined in the table below.

	PDE FY 2017-2018	PDE FY 2018-2019	PDE FY 2019-2020	PDE FY 2020-2021
2018 Accountability Reporting Rework	-	\$46,614	-	-

Please let me know if you have any questions or if you need any additional information prior to approving the pricing.

Sincerely,

Christian Schiller
Data Recognition Corporation

Cc: Brian Truesdale Ray Young Shaundra Sand Doug Russell Jennifer Eastman
Lonny Wittnebel Joseph Muench Donna Stewart James Domen Bobbi Fehrmann

Request for Program Pricing Related to Existing Contracted Services

PA Department of Education, Office of Elementary/Secondary Education
Bureau/Office: Curriculum, Assessment and Instruction
Requestor: Brian A. Truesdale
Contractor: DRC
NEED: Data corrections for 2017-18 SY

Anticipated Need _____ Required Need X URGENT Need _____

Justification:

Several districts discovered data errors within assessment/accountability data sets during the FRPI review windows. While all errors stemmed from inaccurate district reporting and/or district non-participation in attribution processing, we feel that correcting the data for the sake of accuracy is important. This change will cover all file processing efforts related to the corrections.

\$46,614

APPROVAL OF PROGRAM PRICING:

Division Chief: [Signature]

Date: 1/24/19

Bureau Director: [Signature]

Date: 1/29/19

Deputy Secretary: [Signature]

Date: 1/29/19

1. When the above signatures have been secured, scan this document and email to: Deborah Reeves, Danielle Mariano, Brian Campbell, and Jim Domen?
2. Program Office will complete a Purchase Order (PO) Change Order.



January 7, 2019

Brian Campbell, Director
Bureau of Curriculum, Assessment, and Instruction
Pennsylvania Department of Education
333 Market Street
Harrisburg, PA 17126-0333

Dear Mr. Campbell:

This *revised* program pricing is for Data Recognition Corporation's (DRC's) contract with the Pennsylvania Department of Education (PDE) for the Pennsylvania System of Assessments (PSA)—contract number 4400015274.

ELA WRITING PERFORMANCE ASSESSMENT

BACKGROUND

The Pennsylvania Department of Education (PDE) has requested that DRC revisit the scope and pricing associated with the Pennsylvania Performance Assessments, which was an optional service that PDE included in the 2015 RFP and that was addressed by DRC in our subsequent proposal. PDE would like to begin development of Pennsylvania Performance Assessments with English Language Arts (ELA) and focus specifically on testing writing skills, since the writing prompt was eliminated from the Pennsylvania System of School Assessment (PSSA).

In May 2018, DRC responded to PDE's request with three different options to utilize the PSSA Writing prompts for a new ELA Performance Assessment: (1) Teacher Scoring with dynamic reporting; (2) AI Scoring with dynamic reporting; (3) Resource Library *<forms/resources available on eDIRECT...no scoring/reporting>*. During the August 2018 PDE/DRC Working Session, PDE requested that DRC estimate a hybrid approach to Option 3. The hybrid approach would eliminate DRC's development of forms and the use of eDIRECT to host the forms and resources. Instead, all items and resources would be delivered to PDE for use within the Department's *Assessment Builder* website. PDE also requested that DRC expand the scope to include the prompts from the Keystone Exams Composition field test along with the grades 3 – 8 PSSA Writing prompts.

Although PDE's initial vision was for a classroom-based tool that would include dynamic, diagnostic-level reporting, leveraging the *Assessment Builder* website to deliver the prompts and resource materials (annotations and item samplers) provides a simpler solution to meet the overall goal of providing teachers with test items to measure standards that are no longer measured readily on the summative tests. This proposal reflects DRC's work associated with preparing the items, annotations, and item-samplers to support PDE's vision.

Note: This pricing has been revised from what was presented on December 6, 2018, to include the production of annotations for two prompts per PSSA Writing grade and genre and five prompts per Keystone Composition genre. (*Additional details can be found under "Performance Assessment Services" in the description of Option 3.*)

WRITING PERFORMANCE ASSESSMENT OPTIONS AT A GLANCE

The table below outlines, at a very high level, the key aspects that were proposed for each option. The elements associated with Option 3 are still applicable with the *Assessment Builder* solution.

Option	Testing Window	Testing Format	Rubric Type	# of Traits Scored per Essay	Scoring	Reporting	Training
1 Teacher Scoring	August-June	Online with INSIGHT or paper	PA-specific domain/sub-domain; check-list style	20-25	Teacher through eDIRECT interface	Online, interactive	Face-to-face professional development sessions; WebEx
2 AI Scoring	August-June	Online with INSIGHT or paper	MI-developed; domain	6	AI	Online, interactive	WebEx
3 Resource Library	N/A	via <i>Assessment Builder</i>	PA-specific holistic	1	Teacher in classroom	N/A	N/A

PROPOSED TIMEFRAME

DRC's proposal is based on the following key activities taking place in each remaining year of the base contract. Final timelines will be negotiated upon scope approval.

OPTION	2018-2019	2019-2020	2020-2021
Option 3: Writing Resource Library	Project Planning	No activity	No activity
	Select Final Prompts		
	Prepare Annotations		
	Develop Item Samplers		
	Deliver Prompts and Resource Materials – May 2019		

OPTION 1: TEACHER SCORING USING PDE DOMAIN/SUB-DOMAIN SCORING RUBRIC

Option 1 has been eliminated from consideration

- Please refer to the 5/11/2018 Pricing Memo for Option 1 details.

OPTION 2: AI SCORING USING MI PEG WRITING RUBRIC

Option 2 has been eliminated from consideration

- Please refer to the 5/11/2018 Pricing Memo for Option 2 details.

OPTION 3: RESOURCE LIBRARY

Below is an outline of the key scope associated with the *Assessment Builder* Resource Library option.

Item/Test Development

The following scope elements related to item and test development are included in DRC's pricing for the Resource Library option.

- DRC will utilize the PSSA Writing and Keystone Composition prompts that already exist in DRC's item banking system (IDEAS).
 - PDE will review and rank all available prompts and will indicate which prompts should be excluded from the transfer for the *Assessment Builder* website.
 - No additional prompt development is included with this option.
- DRC will deliver one PDF per grade with each PDE-selected item on a single page. Files will be named according to PLS naming conventions, to include subject and grade. Additionally, the following metadata will be provided for each item.
 1. Unique Item ID
 2. Subject
 3. Grade
 4. Assessment Anchor/Eligible Content code
 5. Depth of Knowledge/difficulty indicator
 6. Item Type
 7. Max Score Points
- DRC will develop item/scoring samplers in year 1 of this proposal (2018-2019).
 - The samplers will not reuse prompts that have appeared in previous PSSA ELA samplers.
 - The samplers will contain one prompt per genre and grade with two examples per score point.
 - 20 total samplers (three-per-grade for grades 3-8 and two for HS/Keystone Composition)

Performance Assessment Services

Depending on which prompts are selected, DRC's PAS team will either develop new annotations or refine and revise existing annotations on responses previously used for training. In either scenario, PAS will ensure the new or revised annotations are appropriate for use by classroom teachers.

The *revised* scope for this proposal is as follows.

- Two prompts per PSSA Writing grade/genre and five prompts per Keystone Composition genre will be selected based on PDE's ranking and input.
 - **46 total** (2 <prompts> x 3 <genres> x 6 <PSSA grades>) + (5 <prompts> x 2 <Composition genres>)
- One example will be prepared per score point, per prompt.
 - **184 total** (6 <prompts/grade> x 6 <PSSA grades> x 4 <score points>) + (10 <Composition prompts> x 4 <score points>)

Form Construction

There is no forms construction for the *Assessment Builder* Resource Library. All prompts will be available to Pennsylvania educators from the *Assessment Builder* website.

Materials Print/Pack/Ship/Process

This is no production, shipping, or processing of paper materials for the *Assessment Builder* Resource Library.

eDIRECT /INSIGHT

DRC's eDIRECT system, including the online testing solution, INSIGHT, is not needed for the *Assessment Builder* Resource Library. All prompts, item-samplers, and annotated sets will be hosted on the *Assessment Builder* website.

Psychometrics/Analysis

There is no analysis, psychometric work, or technical reporting for the *Assessment Builder* Resource Library.

Reporting/Training

There is no reporting for the *Assessment Builder* Resource Library, and DRC did not include training for this option.

PRICING

The pricing below represents increases to the current contract for the Pennsylvania System of Assessments.

	PDE FY 2018-2019	PDE FY 2019-2020	PDE FY 2020-2021	Total	Source
Focus Groups	\$24,145	n/a	n/a	\$24,145	5/11/18 proposal
Option 1: Teacher Scoring	\$839,940	\$778,475	\$438,010	\$2,056,425	5/11/18 proposal
Option 2: Artificial Intelligence Scoring	\$743,225	\$545,970	\$519,795	\$1,808,990	5/11/18 proposal
Option 3: Writing Resource Library	\$362,810	\$34,510	\$35,890	\$433,210	5/11/18 proposal
Hybrid Option 3: <i>Assessment Builder</i> Resource Library	\$258,530	n/a	n/a	\$258,530	NEW

Please let me know if you have any questions or if you need any additional information to guide your decision.

Sincerely,

Christian Schiller
 Data Recognition Corporation

Cc: Brian Truesdale Ray Young Shaundra Sand Doug Russell Jennifer Eastman
 Lonny Wittnebel Joseph Muench Donna Stewart James Domen

Request for Program Pricing Related to Existing Contracted Services

PA Department of Education, Office of Elementary/Secondary Education
Bureau/Office: Curriculum, Assessment and Instruction
Requestor: Brian A. Truesdale
Contractor: DRC
NEED: TDA Items and associated annotations

Anticipated Need _____ Required Need X URGENT Need _____

Justification:

PDE committed to providing tools to the field after removing TDA items from the assessments. This proposed solution was one of a few considered and appears to be both popular and relatively low cost.

\$258,530

APPROVAL OF PROGRAM PRICING:

Division Chief: 

Date: 1/29/19

Bureau Director: 

Date: 1/29/19

Deputy Secretary: 

Date: 1/29/19

1. When the above signatures have been secured, scan this document and email to: Deborah Reeves, Danielle Mariano, Brian Campbell, and Jim Domen?
2. Program Office will complete a Purchase Order (PO) Change Order.



July 5, 2018

Brian Campbell, *Director*
Department of Education, *Bureau of Curriculum, Assessment and Instruction*
333 Market Street
Harrisburg, PA 17126-0333

Dear Mr. Campbell:

DRC is submitting for your review revised program pricing for DRC's contract with PDE for the Pennsylvania System of Assessments contract (number 4400015274).

2018 INDIVIDUAL STUDENT REPORTS (ISR): SECRETARY'S LETTER

BACKGROUND

Since 2015, PDE has annually requested that DRC print, package, and ship a letter from the Secretary to accompany each parent/student copy of the PSSA Individual Student Reports. The initial 2015 scope was expected to be a one-time scope change for PDE to inform parents of the changes to the assessment in relation to the Pennsylvania Core Standards. The 2015 price proposal did not contain pricing for subsequent years and the Secretary's Letter is not included in the current contract. DRC has since provided standalone pricing for the same scope in 2016 and 2017.

Based on a recent confirmation from PDE, DRC is providing pricing to print and distribute a letter from the Secretary for the 2018 Pennsylvania System of School Assessment (PSSA) ISRs. This memo contains scope and pricing information associated with the current request.

SCOPE

Below is the high-level scope associated with this request.

- Letter Development:
 - PDE will provide the content for the letter by an agreed-upon date that works within the timeline for the ISR production, packaging, and shipping schedule.
- Printing:
 - DRC will print approximately 800,000 Secretary's letters, one for each parent copy of the ISR.
 - Letters are not specific to a student, school, district, or grade.
 - DRC assumes that the Secretary's Letter will be single-sided.
 - This estimate is for the production of simplex copies.
- Packaging and Shipping:
 - The Secretary's Letters will be packaged and shipped with the student reports for the scheduled delivery.

PRICING

In 2017, DRC re-evaluated our internal estimates based on the efficiencies we've gained in our experience with this recurring work. Accordingly, we are again able to provide PDE with a price reduction similar to what was proposed for 2017. If PDE approves the ISR Secretary's Letter for 2018, the new PSSA pricing will be applied to PDE FY18 of the Pennsylvania System of Assessments (PSA) contract.

PDE FY18 (July 18-June 19)	
2018 PSSA - ISR Secretary's Letter (one page, simplex)	\$61,884

Please respond with your approval of this pricing so that DRC can continue to prepare accordingly.

Sincerely,

Christian Schiller
Data Recognition Corporation

Cc: Brian Truesdale James Domen Donna Stewart Doug Russell Lonny Wittnebel
Jennifer Eastman Joseph Muench Bobbi Fehrmann Shaundra Sand