



DC Comprehensive Assessment System

# TEST INTEGRITY RESULTS SY2012-2013

March 2014

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# 2013 DC CAS Investigations Overview

- OSSE executed tight enforcement of protocols and enhanced flagging criteria.
- OSSE hired Alvarez and Marsal (A&M), an independent vendor, to conduct investigations for the third consecutive year.
  - A&M reviewed data and historical documents from OSSE.
  - A&M visited all identified sites and conducted more than 200 interviews of students and adults.
- A total 45 testing groups in 37 schools were flagged for investigations
  - This represents a 7% increase in the number of investigations from last year
  - 27 were based on expanded flagging criteria
  - 18 testing groups were added through random selection

# Test Integrity Act

The following aspects of the Test Integrity Act of 2013 were implemented for the 2012-13 school year:

- Enhanced flagging criteria including investigations based on:
  - Cross subject flagging
  - Single extreme flag
  - Random selection

The remaining components are being fully implemented with the 2013-14 test cycle including:

- LEAs filing test security plan 90 days prior to the DC CAS administration
- LEA enforcement of anti-retaliation regulations
- A testing integrity and security agreement that requires the signatory to acknowledge that he/she understands that knowingly and willingly violating law, regulation and/or plans could result in the loss of an OSSE certification or license
- LEAs will be submitting signed affidavits from all test administrators to OSSE within 15 days after the DC CAS

# Investigation Process

OSSE generated roster of 2013 testing groups to investigate



OSSE provided vendor with list of testing groups and forensic data

- OSSE generated roster of 2013 testing groups to investigate
- OSSE identified testing groups from 2012 with unusual score drops
- OSSE ran analysis of low variation and extraordinary growth within testing group
- OSSE flagged testing groups for investigation

- A&M reviewed OSSE test documents
- OSSE identified students
- OSSE and A&M discussed investigative protocols
- A&M conducted the investigations
- A&M gave OSSE reports of findings
- OSSE made final determinations

# OSSE Flagging Methodology

**Statistical Flags** (do not by themselves indicate impropriety, but warrant further investigation):

- **Erasure Analysis:**

- Wrong-to-right erasure analysis looks at erasure patterns in answers and determines when a response on an item has been changed from an incorrect answer to a correct answer.

- **Test Score Analysis:**

- Test Score Growth from 2012 to 2013
- Test Score Drop from 2012 to 2013
- Performance variations between multiple choice and constructed response items
- Difference in performance on previously unused items

- **Person-fit analysis:**

- A model measuring the likelihood of a student's response pattern given his/her estimated ability level

- **Random sampling**

- In accordance with the Test Integrity Act enacted this fall, OSSE has also randomly selected classrooms for further review and investigation

# Selection Process

A testing group is selected for integrity investigation when any of the following occurs:

- testing groups trigger two or more flags;
- there is an extreme value in a single flag;
- consecutive years of wrong-to-right erasures flags;
- the same flag occurred across multiple subjects;  
or
- inclusion in random sampling.

# Classification of Findings

## **Critical**

Test tampering or academic fraud (e.g. inappropriate assistance, use of electronic devices when prohibited)

## **Moderate**

Defined violations NOT test tampering or academic fraud (e.g. refusal to sign non disclosure agreements, use of cell phones)

## **Minor**

Test administration errors (e.g. incomplete or missing documents, inconsistent applications of test procedures)

# 2013 Findings

- Confirmed cases of impropriety represent a very small percentage (0.2%) of public schools and testing groups in D.C.
- Critical violations were confined to individual test administrators; there were no systemic critical findings.

	Testing Groups	Schools
DC CAS Testing	2,032	195
Flagged for Investigation	45*	37*
Critical Violation	4	4

\*Although Ron Brown Middle School was flagged for investigation, the school is closed; therefore, no investigation was conducted for the 1 testing group at Ron Brown MS.



# School and Testing Group Findings

- **No Findings (19 schools + 26 Testing Groups\*)**
- **Minor (9 Testing Groups in 7 schools)**
  - DCPS - Patterson
  - DCPS - Nalle
  - DCPS - Shepherd
  - DCPS - Wilson
  - PCS - Community Academy
  - PCS - Options
  - PCS - Friendship Tech Prep
- **Moderate (6 Testing Groups in 6 schools)**
  - DCPS - Kimball
  - PCS - Achievement Prep
  - PCS - Maya Angelou
  - PCS - Cesar Chavez Parkside High
  - PCS - Perry Street Preparatory
  - PCS – Paul PCS
- **Critical (4 Testing Groups in 4 schools)**
  - DCPS - Oyster Adams
  - DCPS - Plummer
  - PCS - Ideal Academy
  - PCS - Cesar Chavez Parkside Middle



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\*Although Ron Brown Middle School was flagged for investigation, the school is closed; therefore, no finding for the 1 testing group at Ron Brown MS.

# Findings by Violation

Violation	# Schools
Missing Test Security File	5
*Individual test administrator/proctor aided student(s) during test by pointing out specific questions and by making statements regarding the accuracy of student responses on the test; telling students to go back and review specific questions	4
Inconsistent/inaccurate sign-in sheet for test materials	4
Failure to sign NDA (individual, not whole school)	4
Failure to maintain proper security over test materials	3
*Providing unapproved accommodations	3
<i>* Finding results in invalidation</i>	

# School Level Results 2012 and 2013

	2011-12	2012-13	Change
Total Schools Investigated	25	36	11 School Increase
Schools With No Findings	9	19	10 School Increase
Schools With Minor Findings	1	7	6 School Increase
Schools With Moderate Findings	4	6	3 School Increase
Schools With Critical Findings	11	4	7 School Decrease

# Public Charter Schools Investigated

SCHOOL	# TESTING GROUPS	FLAG TYPE
Achievement Preparatory	1	Random
Basis DC	2	Random
Center City Trinidad	2	Random
Cesar Chavez Parkside Middle	1	Math Growth, Math WTR, Read Person Fit
Cesar Chavez Parkside High	1	Random
Community Academy Amos I	2	Math WTR, Read WTR; Math WTR, Read WTR
DC Preparatory MS	1	Random
Friendship Southeast	2	Math Growth, Math Item Type; Read Growth, Read WTR
Friendship Tech	1	Random
Friendship Woodridge	1	Random
Howard University MS <sup>2</sup>	1	Random
Ideal Academy	1	Math WTR
KIPP DC AIM	1	Random
Maya Angelou MS	1	Random
National Collegiate Prep	1	Random
Options PCS	1	Math WTR
Paul PCS	1	Math Growth, Math WTR
Perry Street Prep	2	Math WTR, Read WTR; Math WTR, Read WTR
Washington Yu Ying	1	Math WTR

# DC Public Schools Investigated

SCHOOL	# TESTING GROUPS	FLAG TYPE
Aiton ES	1	Math Person Fit, Math Item Type
Banneker SHS	1	Math WTR, Read WTR
Brightwood ES	2	Math Growth, Math Item Type; Math WTR, Read WTR
Janney ES	1	Math Growth, Math Person Fit
Key ES	1	Math WTR, Read WTR
Kimball ES	1	Random
Langdon EC	1	Math WTR, Read WTR, Read Person Fit
Miner ES	1	Random
Nalle ES	1	Random
Oyster Adams	1	Math WTR, Read WTR, Read Growth
Patterson ES	1	Math WTR, Read WTR
Payne ES	1	Math WTR, Read WTR
Plummer	1	Math WTR, Read WTR
Powell ES	1	Random
Shepherd ES	1	Math Growth, Math WTR
Tubman ES	2	Math WTR, Math Item Type; Math Growth, Math WTR
Wilson SHS	2	Read Growth; Read Growth, Read Item Type

# Potential Consequences from Findings

- Minor
  - Letter of guidance
  - Require approved corrective action plan
- Moderate
  - Letter of reprimand
  - Corrective action plan
  - Potential invalidation of results
- Critical
  - Letter of reprimand
  - Invalidation of results
  - Corrective action plan
  - Enhanced monitoring by OSSE during testing

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