



Test Monitoring Center

@ Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 18-011
DATE: May 21, 2018
TO: Mike Lopez, Chairman, CBT Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: CBT Testing from October 1, 2017 through March 31, 2018

A total of 14 CBT tests were reported to the Test Monitoring Center during the report period from October 1, 2017 through March 31, 2018.

Please find attached a summary of testing activity this period.

MTK/mtk/astm0418.doc/mem18-011.mtk.doc

cc: F. M. Farber

J. A. Clark

CBT Surveillance Panel

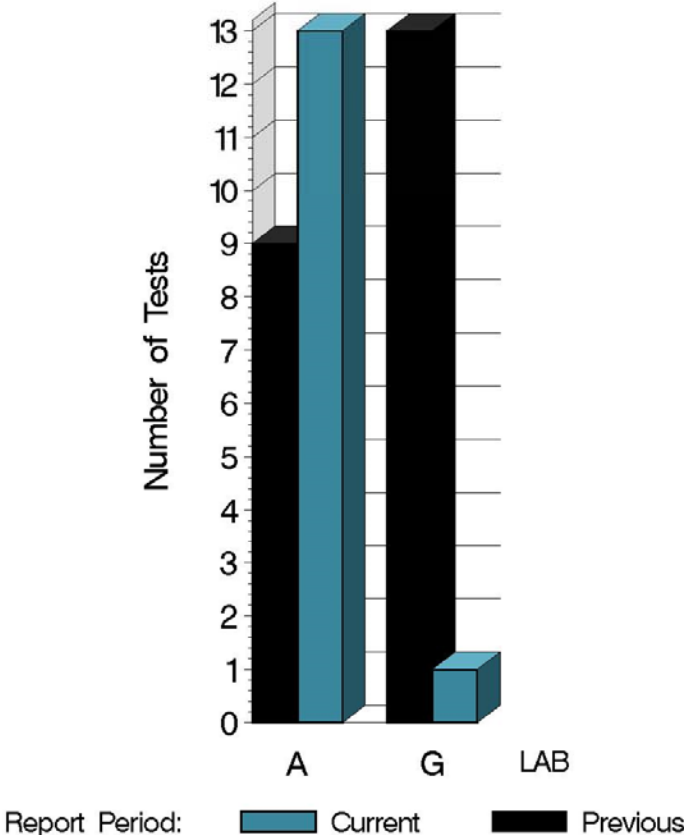
<http://www.astmtmc.cmu.edu/ftp/docs/bench/cbt/semiannualreports/cbt-04-2018.pdf>

Distribution: email

CBT (D 5968)

	Reporting Data
Number of Labs	2

NUMBER OF TESTS REPORTED
BY LAB AND REPORT PERIOD



12:25:49 15MAY2018

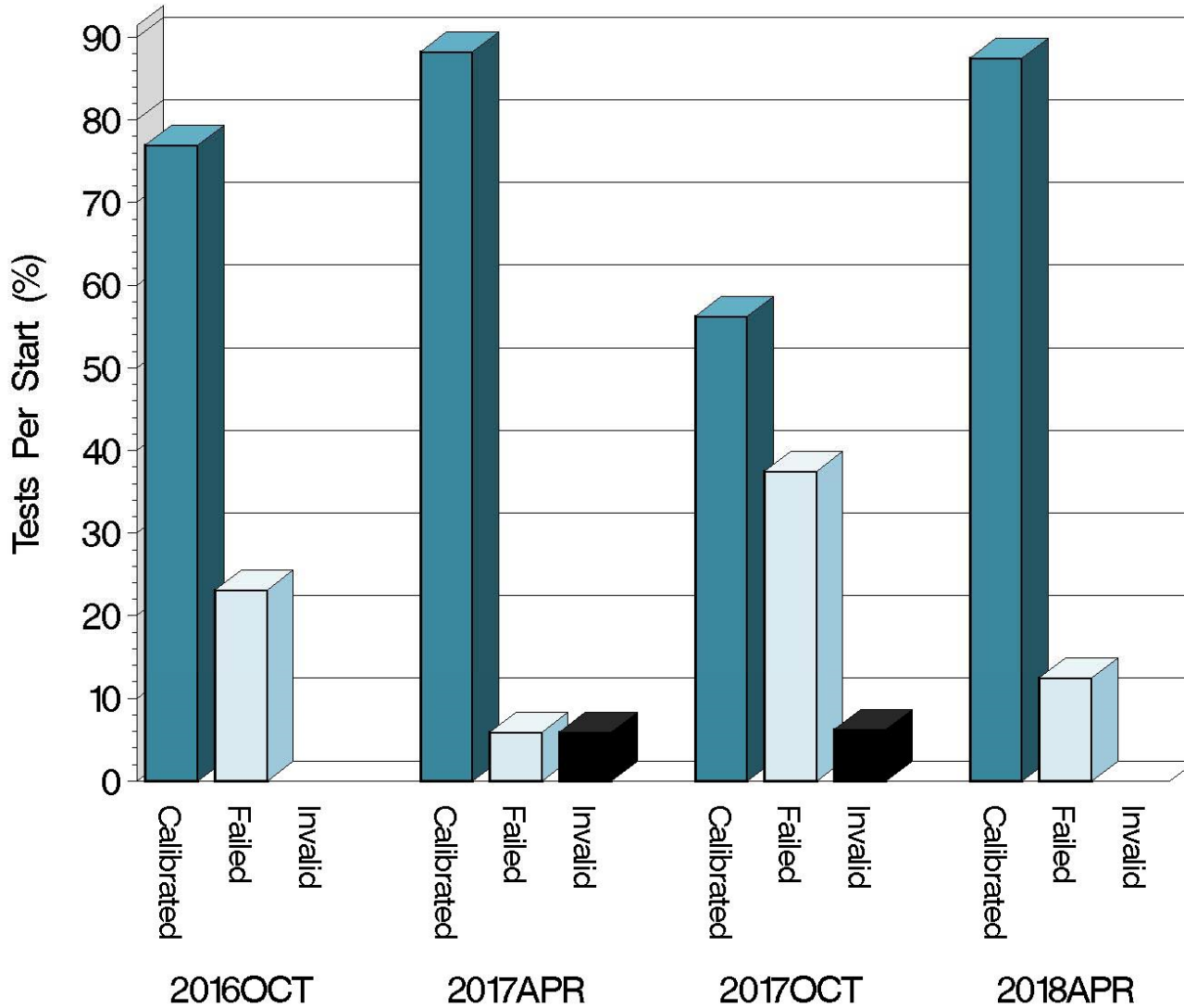
CBT (D 5968)

Test Distribution by Validity

		Number of Tests
Accepted for Calibration	AC	7
Rejected	OC	1
Invalidated by Lab	LC	0
Invalidated by TMC	RC	0
Aborted	XC	0
Acceptable Shakedown	AS	4
Unacceptable Shakedown	OS	2
Invalid Shakedown	LS	0
Total		14

CBT (D 5968)

CALIBRATION ATTEMPT SUMMARY



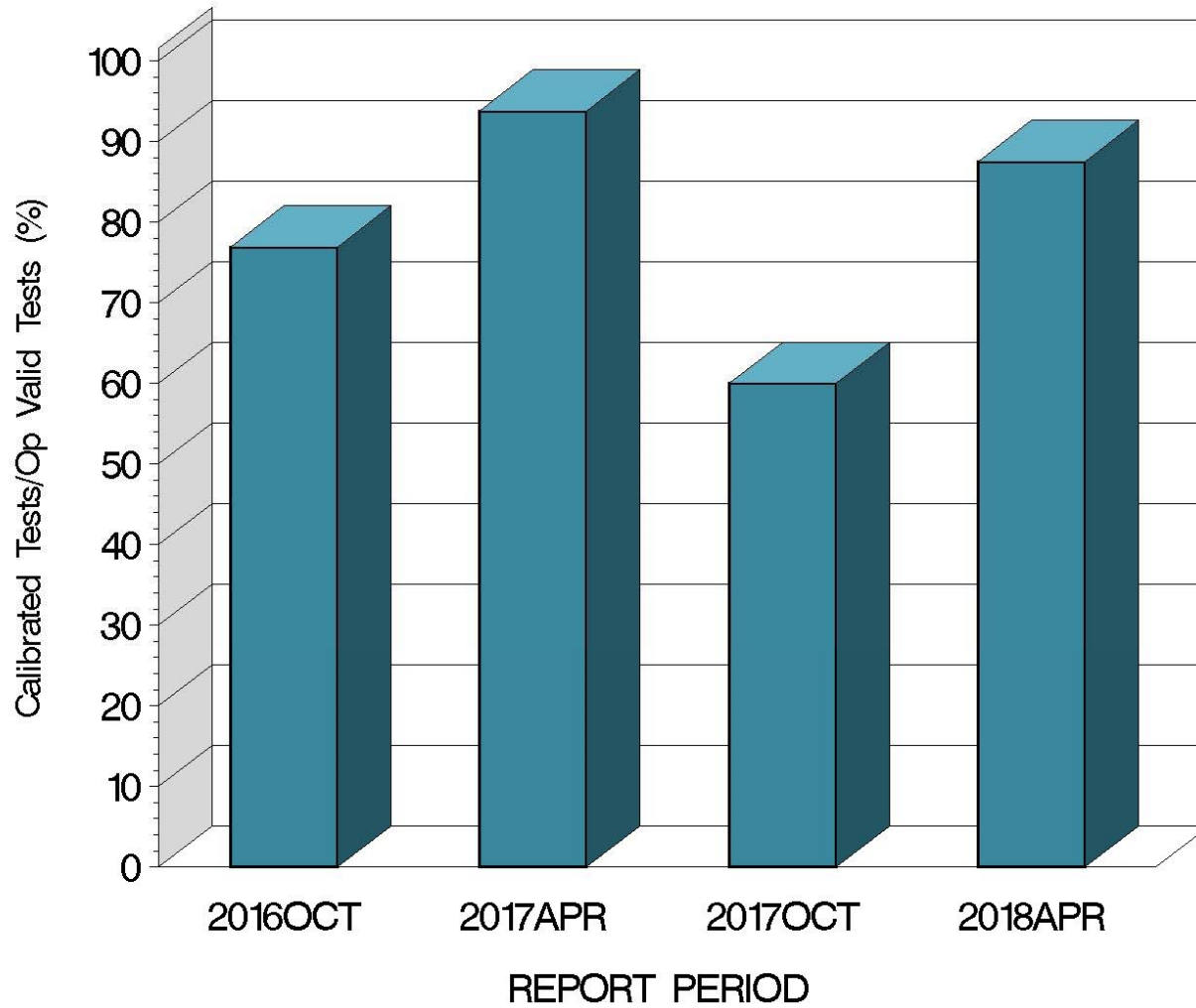
Resolution

Report Period

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CBT (D 5968)

OPERATIONALLY VALID TESTS
MEETING ACCEPTANCE CRITERIA



12:25:49 16MAY2018

CBT (D 5968)

CAUSES FOR LOST TESTS

Summary of Reasons for Failed Tests	No. of Tests
Mild Copper & Lead Concentration	1

Summary of Reasons for Invalid Tests	No. of Tests
No tests were invalid this period	0

Summary of Reasons for Aborted Tests	No. of Tests
No tests were aborted this period	0

CBT (D 5968)

Average Δ /s By Laboratory			
Lab	n	CUC	PBC
A	7	-1.708	-1.81714
G	1	-1.722	-0.79333
Industry	8	-1.709	-1.68917

Individual test results can be found on the TMC Web Page at the following link:

<http://www.astmtmc.cmu.edu/ftp/refdata/bench/cbt/data/>

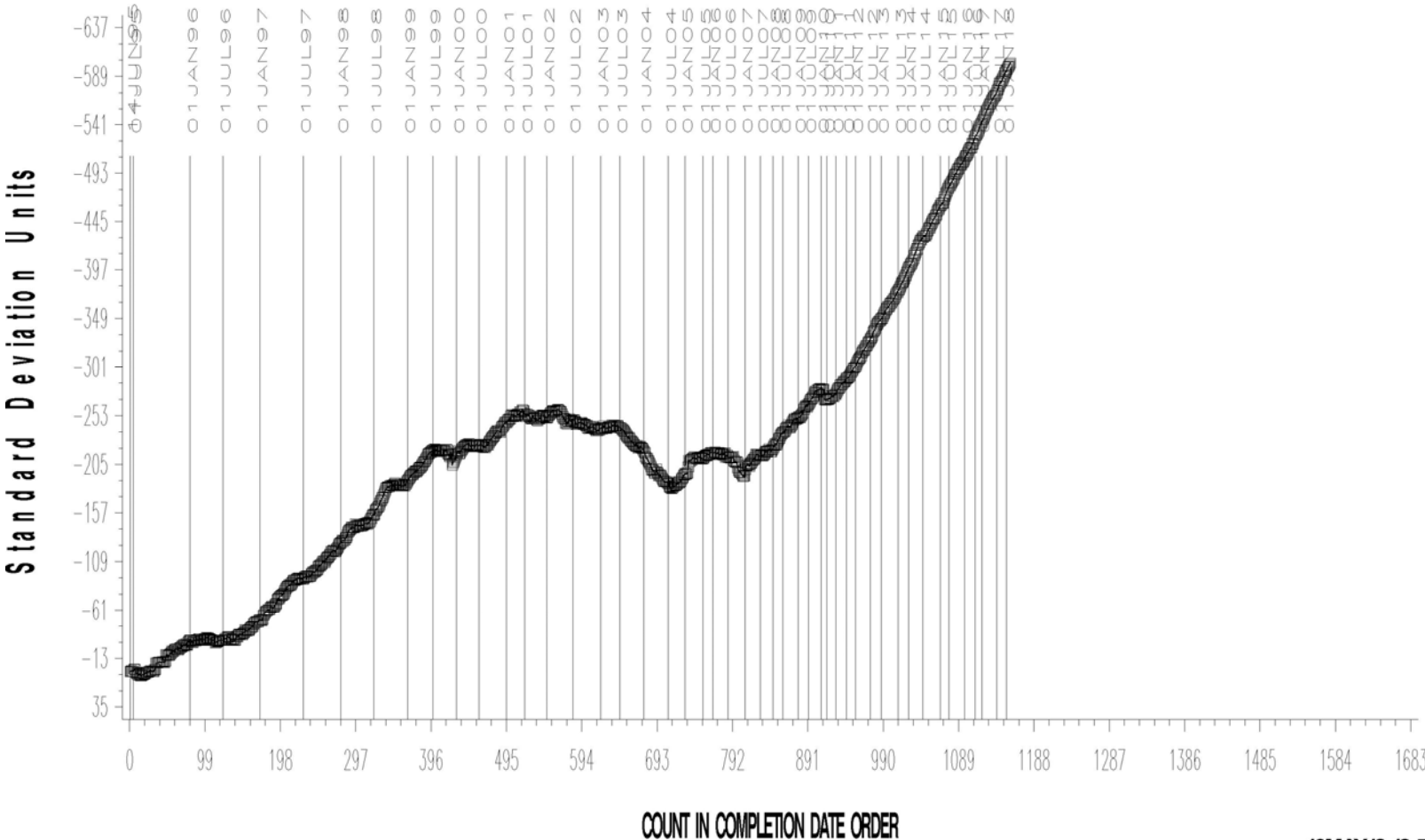
CBT (D 5968)

CBT INDUSTRY OPERATIONALLY VALID DATA



LEAD CHANGE (ppm)

CUSUM Severity Analysis

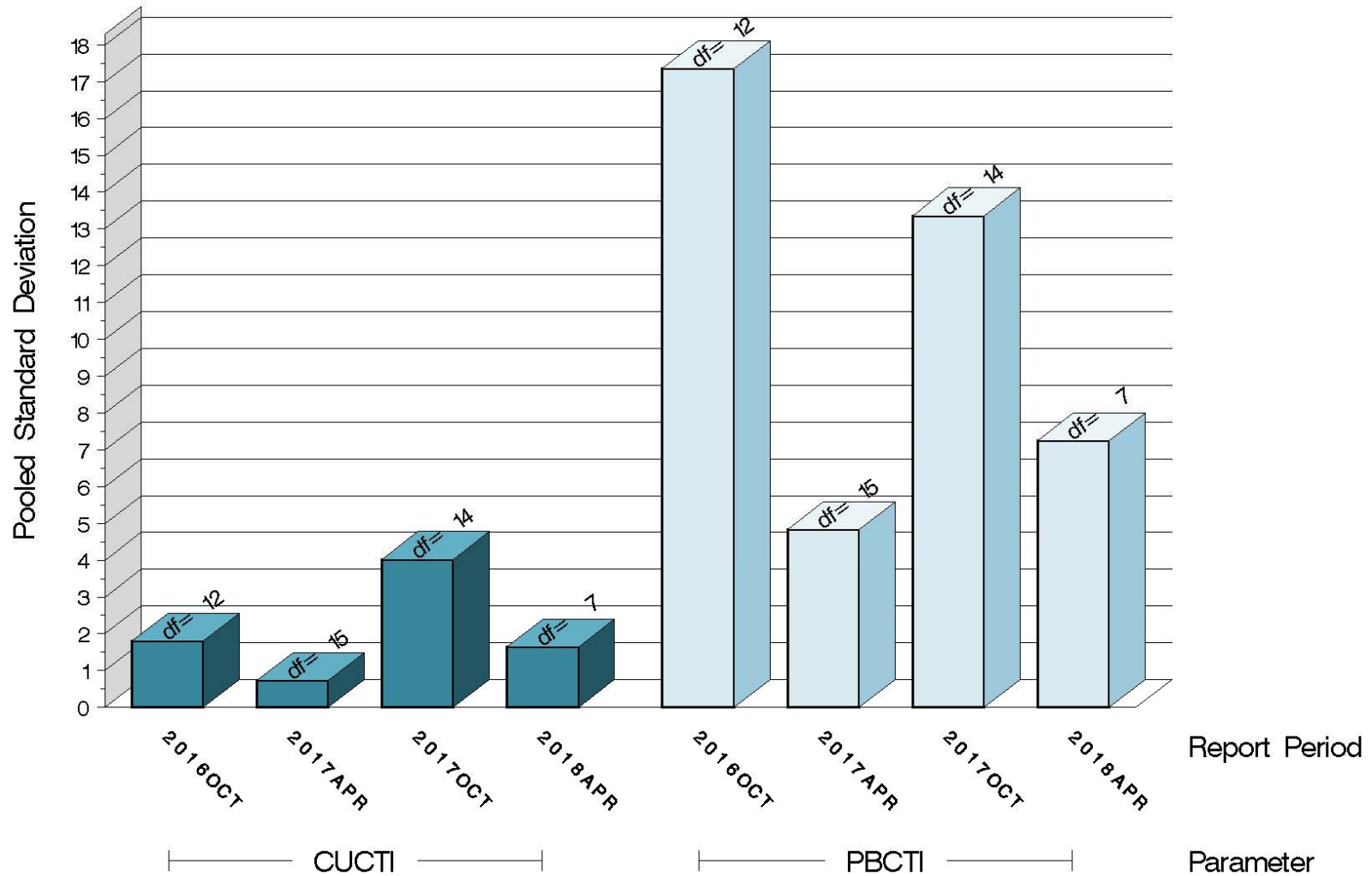


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TEST PRECISION

POOLED STANDARD DEVIATION
BY SIX-MONTH ASTM REPORT PERIOD



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CBT (D 5968)

SUMMARY OF SEVERITY & PRECISION

Severity

Over the course of this report period, both copper and lead severity, as measured by CUSUM plotting, continued the existing mild trend.

Precision

Pooled s for this period is 1.64 for copper and 7.25 for lead.

Precision, as measured by pooled standard deviation, has improved significantly, compared to previous periods for copper and lead, and is back in line with historical levels.

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INFORMATION LETTERS

No information letters were issued this period.

CBT (D 5968)

STATUS OF REFERENCE OIL SUPPLY

		At TMC	
Oil	Samples at Labs	Samples (4 oz)	Gallons
43	30	1216	38.0