

TRAINING UPDATE

Lab Location: GEC, SGAH & WAH
Department: QA & Mgmt

Date Distributed: 3/19/2015
Due Date: 3/31/2015
Implementation: 4/1/2015

DESCRIPTION OF PROCEDURE REVISION

Name of procedure:
Proficiency Test Results Evaluation GEC / SGAH / WAH.QA21v3
Description of change(s):
<p>Section 4: add SD and SDI, remove dry erase board Section 5: add email of failures, update near miss evaluation and ungraded challenge criteria, add online continuing education Section 9: remove near miss flow chart</p> <p>An example of the near miss documentation is attached after the SOP</p> <p>This revised SOP will be implemented on April 1, 2015</p>

Document your compliance with this training update by taking the quiz in the MTS system.

Non-Technical SOP

Title	Proficiency Test Results Evaluation	
Prepared by	Leslie Barrett	Date: 12/29/2009
Owner	Cynthia Bowman-Gholston	Date: 12/29/2009

Laboratory Approval		
Print Name and Title	Signature	Date
<i>Refer to the electronic signature page for approval and approval dates.</i>		
Local Issue Date:		Local Effective Date:

Review:		
Print Name	Signature	Date

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1. PURPOSE

Proficiency testing results are used to:

- Determine the quality of the laboratory performance
- Compare performance with peer groups
- Utilize the results as an educational and evaluative tool for employees and/or instrument/reagent performance.

2. SCOPE

All clinical laboratory staff involved in specimen testing are required to participate in proficiency testing.

3. RESPONSIBILITY

A. Laboratory Medical Director

Provides final review of all aspects of proficiency testing (PT) in Clinical Laboratory departments.

B. Laboratory Operations Director

Review of PT results and any required follow-up

C. Technical Supervisors

Provide primary review and evaluation of PT results received with investigation and corrective action, as necessary.

D. Quality Assurance staff

Track routing of results to verify timely completion and thoroughness of investigation.

E. Staff technologists and technicians

Review PT evaluation as a mechanism for continuing education.

4. DEFINITIONS

Proficiency Testing (PT) – A means to determine that test methods are performing as expected through outcomes for predetermined standards.

CAP – College of American Pathologists

LAP – Laboratory Accreditation Program of CAP

CAP PT database – Excel spreadsheet utilized to track all aspects of Proficiency Testing materials including:

- A. Applicable survey descriptions and codes
- B. Ship date
- C. Receipt date
- D. Due date for results to be submitted
- E. Actual date results are submitted
- F. Date CAP evaluation of results is received
- G. Date final signed report is returned for filing

Survey Error Investigation and Corrective Action Report (SEICAR) – a form used to document the investigation and corrective actions taken to proficiency testing non-conformances

Graded Result – a result that the proficiency agency has formally evaluated for acceptability against a peer group or all method results using defined evaluation criteria

Near-miss – a graded result that was close to non-conformance (± 2.5 SDI or greater) but did not actually exceed the proficiency agency's acceptance criteria. Near misses must be investigated to evaluate future risk and to correct existing problems before an actual non-conformance occurs.

Ungraded Result – a result that the proficiency agency has not formally evaluated for acceptability (e.g., lack of participant consensus, peer groups that are too small for statistical evaluation, results reported using '<' or '>', and educational challenges).

Standard Deviation (SD) – a measurement of the dispersion of data around the mean. The SD decreases as variation decreases.

Standard Deviation Index (SDI) – a statistical tool that describes how far a single proficiency testing result is from the target value (in SDs).

5. PROCEDURE

A. Result Communication Prohibition

- **Intra- or inter-laboratory communication regarding PT materials or results is prohibited until the PT provider has formally evaluated the results.** (Questions regarding the administration of the PT program or material

integrity may be directed to the Laboratory Director, designee, or PT provider, but communications or discussions concerning PT results are prohibited.)

- Refer to the QA procedure ‘Procedure for handling Inappropriate Referral or Proficiency Materials or Inter/Intra laboratory Communication of Proficiency Test Information’ for additional details.

B. Routing of Results/Evaluation

Step	Action
1	<p>The College of American Pathologists (CAP) responds to survey input by supplying a critique and summary report of all method groups. This information is mailed to the facility and may be accessed on the CAP website. An email notice is also sent to the CLIA site CAP administrators when website results are published.</p> <ul style="list-style-type: none"> • The QA specialist or designee will view the evaluation and assess for failures and near misses. • No action is required if all results are acceptable. • If there are unacceptable results (failure or near-miss), the evaluation is emailed to the Technical Supervisor to begin the investigation. Refer to sections E, F and H as applicable.
2	<p>The Technical Supervisor, QA specialist or designee will route the results and critique to Laboratory leadership (Technical Supervisor, Medical Director, Laboratory Operations Director – see Responsibility section).</p>
3	<p>Results will be reviewed and evaluated as expeditiously as possible (within two weeks). Proficiency testing results must be signed by the Technical Supervisor/Manager, Medical Director, Operations Director or designee(s), and the QA specialist or designee.</p>
4	<p>The supervisor will document the investigation of any unsatisfactory PT results or results that do not agree with the majority of respondents on a Survey Error Investigation and Corrective Action Report. (Refer to section E)</p>
5	<p>Corporate Medical Quality also requires that any result deemed “near miss”, must be investigated.</p> <ul style="list-style-type: none"> • Graded results that meet the PT provider’s acceptance criteria are evaluated internally to detect “near-misses” for each analyte. Near-misses are opportunities to detect and correct problems before an actual miss occurs. Near-misses are not counted as PT non-conformances. • If a near-miss is detected, the investigation/corrective actions (if required) must be documented. • PT results are initially assessed visually, using SDIs, charts or other tools provided on the PT report. It is not necessary to perform near-miss calculations for every PT challenge, just the challenges that visually appear to meet the near-miss criteria. • Refer to Section F for investigation and documentation process.

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6	Refer to Section H if a challenge is ungraded due to one of the following: A. Routinely ungraded analyte/result B. Educational challenge C. Lack of participant consensus D. Results submitted after cut-off date E. Results not submitted F. Appropriate method code was not submitted
7	All documentation is returned to QA staff for filing and database input

C. Staff Feedback/Continuing Education

Step	Action
1	PT materials consisting of photomicrographs are reviewed by the Medical Director and used as a Continuing Education resource.
2	The Analyte Scorecard on the CAP website will be posted quarterly for staff.
3	Continuing education credits are available online from CAP for selected surveys. This information is communicated to staff via the Sunquest Mailbox function and posted in each lab, including site-specific CAP numbers, kit numbers and the expiration dates for acquiring credit. Participation is voluntary.

D. Proficiency Testing Exception Summary (PTES)

Step	Action
1	A Proficiency Testing Exception Summary (PTES) is issued by CAP if the performance of an analyte falls below the LAP's acceptable criteria for PT.
2	This report is designed to ensure the monitoring of PT performance for purposes of CAP and CLIA certification. PTES notification will be issued for regulated analytes (analytes that CLIA requires PT) that are reported to the Centers for Medicaid Medicare Standards (CMS), regulated analytes that are not reported to CMS; and non-regulated analytes.
3	CAP mails the PTES reports to the Medical Director, who delivers them to the appropriate supervisor for tracking. The PTES packet includes instructions for responding to the PT exception, an exception response form, and a summary of scores for the previous four PT testing events.

E. Survey Error Investigation and Corrective Action Report (SEICAR)

Step	Action
1	The process for investigation of PT failures is defined and includes the following analysis: <ul style="list-style-type: none"> • Assess what went wrong. Is there a problem? • How did we identify the problem or exclude it? • Outline steps followed during investigation. QC review, patient data, technology performance, etc. • What steps will be taken to prevent a recurrence?

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	<ul style="list-style-type: none"> Was patient care affected? <p>The process applies to each analyte missed (graded or ungraded). The flowcharts in Addenda B may be utilized to assist in the investigation process.</p>
2	A Survey Error Investigation and Corrective Action Report form is required to document and code this process.
3	<p>The technical supervisor or designee will:</p> <ul style="list-style-type: none"> Lead the investigation process. Interview involved staff members. Review all records associated with the batch(es) that contained the proficiency testing specimen(s). These records include but are not limited to: test records, worksheets, instrument preventive maintenance records, calibration records (instruments, pipettes, centrifuge, etc.), daily/weekly/monthly QC records, the Survey Companion Form, the proficiency survey result reporting form, participant summary, and previous PT results. Request retesting the sample, if it's available and document the results on the SEICAR. The proficiency agency may be contacted to obtain additional specimen for evaluation (additional fee may apply). Document on the SEICAR if no specimen is available for retesting. Note: In the case of an event failure, the evaluation must include a mechanism to demonstrate the test is currently performing acceptably List all issues identified during the record review on the SEICAR in the area entitled "Review of Testing Records." Determine if any of the listed issues caused or contributed to the proficiency miss or near-miss. From this information, and using the Survey Error Investigation Flow Charts (Addendum B), assign an error code (Addendum A) to the non-conformance. Determine the root cause of the non-conformance. Determine if the PT miss(es) could have any impact on patient samples tested before, during or after the failed PT event. Define the required corrective action(s) taken to correct the problem and record this information on the SEICAR. The corrective actions must include effective date(s). Define what steps/actions are required to prevent recurrence of this non-conformance. Define what monitoring steps/actions may be required to ensure the corrective action is maintained over time. Draft the SEICAR within 5 working days. The completed form, CAP evaluation report and any accompanying letters and documentation will be given to the Medical Director and Operations Director for review, approval and signature. If approved by the Medical Director and Operations Director the report will then be signed by the Technical Supervisor. If the report is not approved, the supervisor will make appropriate revisions and return to the Medical and Operations Directors for review and approval. Completed documentation is returned to Hospital QA staff for signature and filing.

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4	Hospital QA staff will retain a copy of the signed SEICAR with the CAP PT results and submit the completed, signed report to Baltimore QA. Refer to Section I for additional details.
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F. Near Miss Investigation

Step	Action
1	The process for investigation of a near miss includes <ul style="list-style-type: none"> • Evaluation of testing vs. submitted result • Evaluation of QC • Repeat sample testing, if applicable • Previous survey failures, if applicable • Assessment of the review • If errors are detected, complete a SEICAR including root cause and corrective action documentation.
2	The investigation is documented on the CAP summary report. All documentation is reviewed by the Operations Director and Medical Director. SEICAR is also completed if errors are detected.

G. Maryland Department of Health

Step	Action
1	A letter may also be received from the Maryland Department of Health requesting documentation/explanation of a proficiency testing failure.
2	The same process, corrective action form, and response will be supplied to the State of Maryland.
3	Written responses are submitted to the Operations Director and the Medical Director for review and signature.
4	Responses are sent to the State of Maryland via certified return receipt requested, US mail. Copy all correspondence to the Baltimore QA department.
5	A copy of the response letter is attached to the proficiency testing results and filed in the appropriate survey notebook. The certified mail receipt is attached to the letter.

H. Ungraded Challenges

Step	Action
1	The QA specialist or Technical supervisor will review the laboratory’s result(s) and compare with those provided in the CAP critique or explanation booklet. The following criteria is utilized: <p style="margin-left: 40px;">Quantitative: For Peer Group Mean: ± 3 SDI Near Miss: ± 2.5 SDI</p> <p style="margin-left: 40px;">For All Method Mean: ± 3 SDI Near Miss: ± 2.5 SDI</p>

	<p>Semi-Quantitative: Six or fewer possible categories: Most frequent response \pm 1 category More than six possible categories: Most frequent response \pm 2 categories</p> <p>Qualitative: Agreement with majority response (>50% consensus) of peer group, all methods, or referee group</p> <p>If the above standards cannot be applied, the Laboratory Director or designee will evaluate the results using clinical judgment, medical usefulness, or equivalency. Results of this alternative evaluation must be explained in writing.</p>
2	<p>The QA specialist or Technical supervisor will document the review and include an assessment of acceptability.</p> <ul style="list-style-type: none"> For results deemed unacceptable, a SEICAR will be completed following the steps outlined in Section E. For near miss results, refer to Section F. <p>All documentation is reviewed by the Operations Director and Medical Director.</p>

I. Records

Step	Action
1	A result summary is maintained in an Excel spreadsheet. The QA staff logs the date results are received and the date the final reports are returned for filing.
2	Completed and signed SEICARs are electronically scanned, saved and hyperlinked to the PT Nonconformance database. The report is saved on the G-drive using the following pathway: G:\CHYDept\AHC_Lab\Quality Assurance\Proficiency Testing\Problem Reports_pdf files
3	All survey documentation maintained for the duration outlined in the Quest Diagnostics Record Retention Policy.

6. RELATED DOCUMENTS

- Proficiency Test Handling and Result Submission, QA procedure
- Procedure for handling Inappropriate Referral or Proficiency Materials or Inter/Intra laboratory Communication of Proficiency Test Information, QA procedure
- Internal Proficiency Testing Policy, QA procedure
- Retention of Records and Materials, Laboratory policy
- Survey Error Investigation and Corrective Action Report (AG.F285)

7. REFERENCES

- Commission on Laboratory Accreditation Inspection Checklist, Laboratory General, Proficiency Testing section, College of American Pathologists, 325 Waukegan Road, Northfield, Illinois, 60093-2750.
- College of American Pathologists website, www.cap.org
- Quest Diagnostics *Process for Evaluation of Proficiency Test Results*, QDNQA716

Form revised 3/31/00

8. REVISION HISTORY

Version	Date	Reason for Revision	Revised By	Approved By
		Supersedes SOP QA002.003		
000	5/7/2012	Section 5: B.3 & H.29 revised to match practice; C.9 revised to post CAP Analyte Scorecard Section 9: Update appendix A and addenda B&C	L Barrett	C Bowman
001	4/18/2014	Section 4: add SEICAR, graded / ungraded results, near miss Section 5: update near miss and ungraded criteria; remove CLIA detail; add detail for SEICAR process; replace Chantilly with Baltimore QA Section 6: add updated SEICAR form Section 9: update addenda A&B, add C&D Footer: version # leading zero's dropped due to new EDCS in use as of 10/7/13.	L Barrett	C Bowman
2	3/2/2015	Section 4: add SD and SDI, remove dry erase board Section 5: add email of failures, update near miss evaluation and ungraded challenge criteria, add online continuing education Section 9: remove near miss flow chart	L Barrett R SanLuis	C Bowman

9. ADDENDA AND APPENDICES

- A. Survey Nonconformance Error Codes
- B. Proficiency Testing Result Evaluation Flowchart
- C. Approved Proficiency Testing Agencies

Addendum A

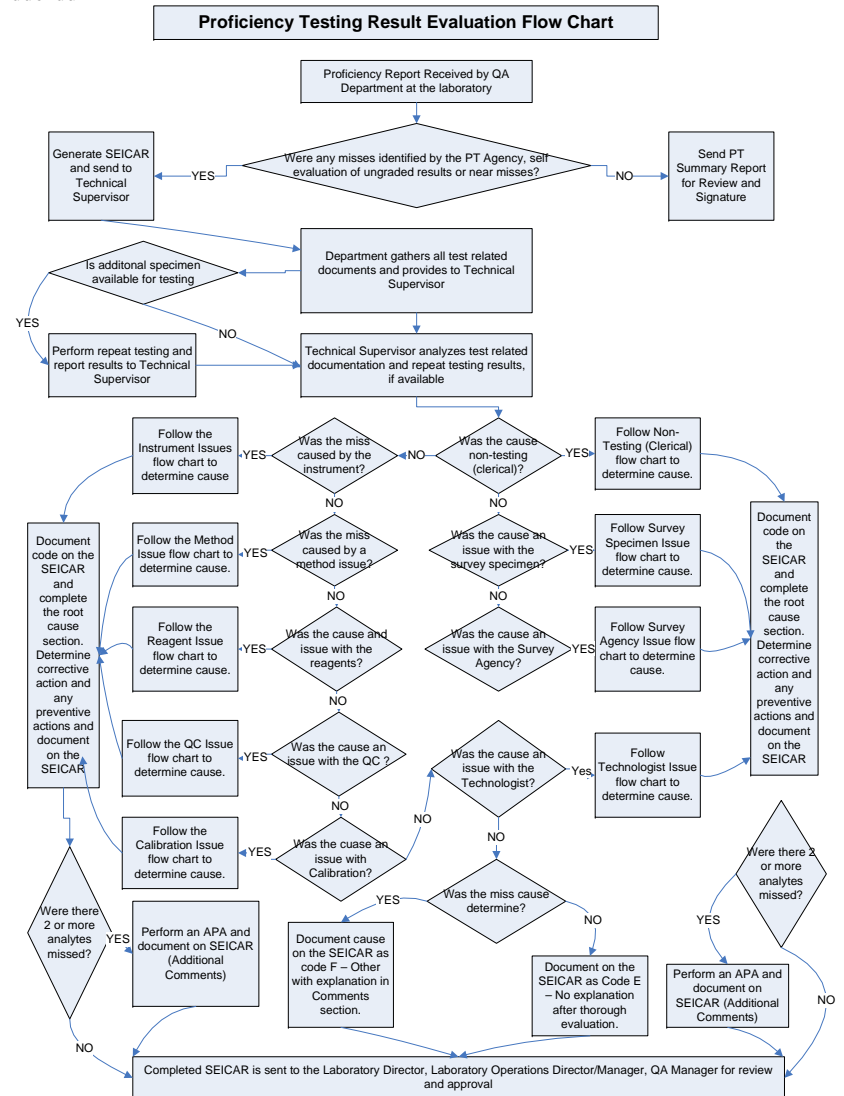
Survey Non-conformance Error Key

Error Category	Error Description	Error Code
Method Issues	Survey agency uses ‘all methods mean’ to grade our results. Our method has bias to agency criteria used.	M-1
	Survey specimen beyond method linearity (either low or high).	M-5
	Method used lacks precision (at least 3 sigma).	M-6
	Sensitivity inadequate for the survey.	M-7
Reagent Issues	Reagent used deteriorated due to either improper storage or deterioration near expiration date (e.g. based on shift in QC not observed at time of testing).	R-1
	Assay bias caused by specific lot of reagent.	R-2
	Reagent improperly stored (temperature, light sensitivity, etc.).	R-3
Quality Control Issues	QC material used deteriorated due to either improper storage or deterioration near expiration date.	Q-1
	Established QC range does not properly control the assay.	Q-2
Calibration Issues	Standard/Calibrator used deteriorated due to either improper storage or deterioration near expiration date.	C-1
	Calibration not performed correctly (e.g., incorrect frequency, factors, set points, etc.).	C-2
	Bias attributed to Calibration.	C-3
Instrument Issues	Instrument linearity problem.	I-1
	Instrument sensitivity problem.	I-2
	Instrument specificity/interference problem.	I-3
	Carryover from previous specimen (carryover issue with instrument not identified during original validation).	I-4
	Instrument part(s) failed during survey specimen analysis.	I-5
	Instrument maintenance was not performed at the required interval(s).	I-6
	Required maintenance frequency not adequate for volume on instrument.	I-7
	Instrument/method environment issues (humidity, temperature, sunlight, etc.).	I-8
Technologist Issue	The technologist did not follow the Quest Diagnostics testing procedure. (use T-14 if the survey agency instructions for testing were not followed)	T-1
	Survey specimen(s) mishandled prior to testing (not reconstituted according to agency instructions, survey specimen(s) not adequately mixed, mislabeled, or contaminated).	T-2
	Pipetting error made during the test process (wrong type of pipette used, wrong volume used, etc.)	T-3

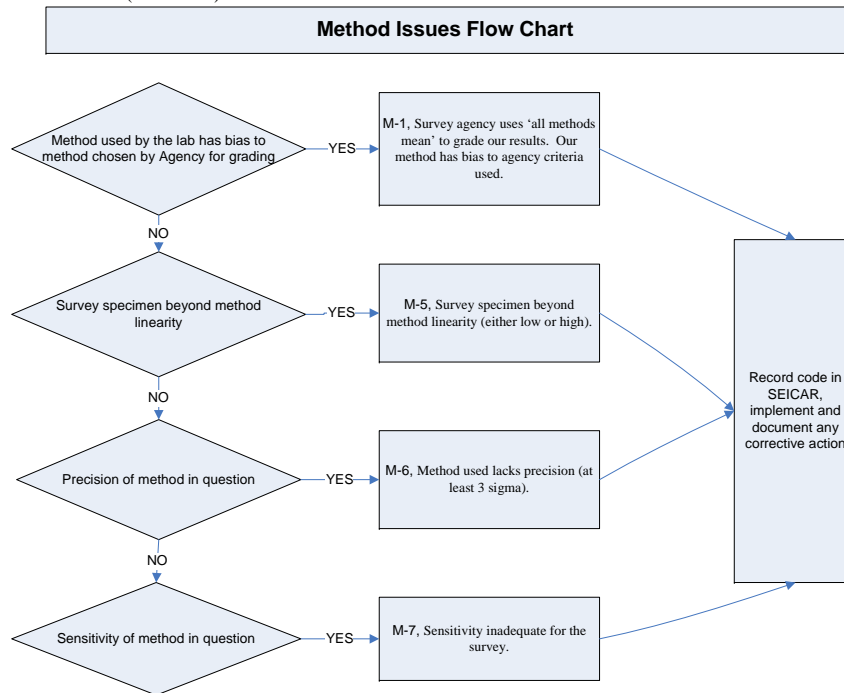
Form revised 3/31/00

Error Category	Error Description	Error Code
	Manual calculations not performed as directed in SOP (includes failure to correct for dilution or wrong factor used).	T-5
	Wrong dilution performed.	T-6
	Delay in testing (time between reconstitution or opening of survey specimen and performance of test).	T-7
	Technologist assayed wrong survey specimen for required test (includes sequence problems).	T-9
	Batch containing survey specimen(s) had significant bias (shift and/or trend) that was not identified.	T-10
	Technologist misidentified cell/organism on photomicrograph or slide.	T-11
	Technologist misinterpreted reaction or data.	T-12
	Technologist missed carryover issue defined in test SOP.	T-13
	Survey agency instructions for specimen testing not followed.	T-14
Non-Testing (Clerical) Issues	Results entered incorrectly on-line or onto the survey result form.	NT-1
	Incorrect method code used in reporting results.	NT-2
	Incorrect instrument code used in reporting results.	NT-3
	Incorrect units of measure used in reporting results (survey agency requires different units of measure versus Quest Diagnostics and conversion was not performed correctly).	NT-4
	Laboratory failed to report survey results by agency deadline (failed to mail, fax or release results on-line).	NT-5
	Not all results submitted because pages of the survey result form were not sent or faxed to agency.	NT-7
Survey Specimen Issues	Survey specimen was compromised prior to receipt by laboratory.	SS-2
	Survey specimen integrity in question.	SS-3
	Survey specimen matrix issue.	SS-4
Survey Agency Issues	Survey agency does not have peer group for method used (evaluated against different agency selected method).	SA-3
	Data entry error made by the agency.	SA-4
Random Error	After thorough review of testing records (QC, Instrument PM, Calibration, Reagent Checks, etc.) and retesting of survey specimen (if material is available, no root cause for the non-conformance could be identified). Potential random error.	E
Other	Other – Must detail investigation findings in the Comments section.	F

Addendum B

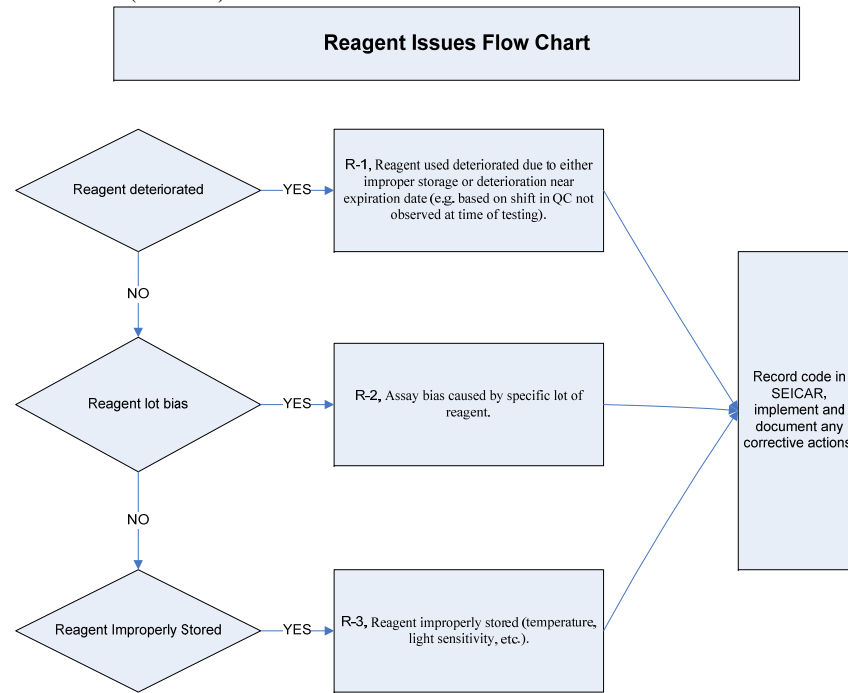


Addendum B (continued)



Form revised 03/13/10

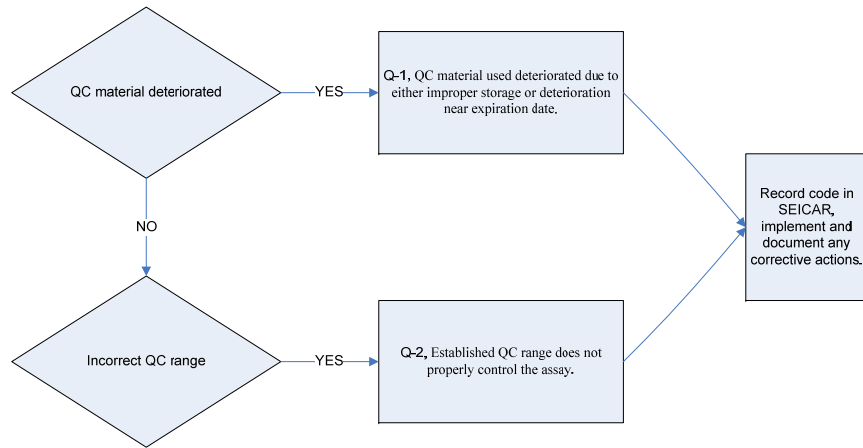
Addendum B (continued)



Form revised 03/13/10

Addendum B (continued)

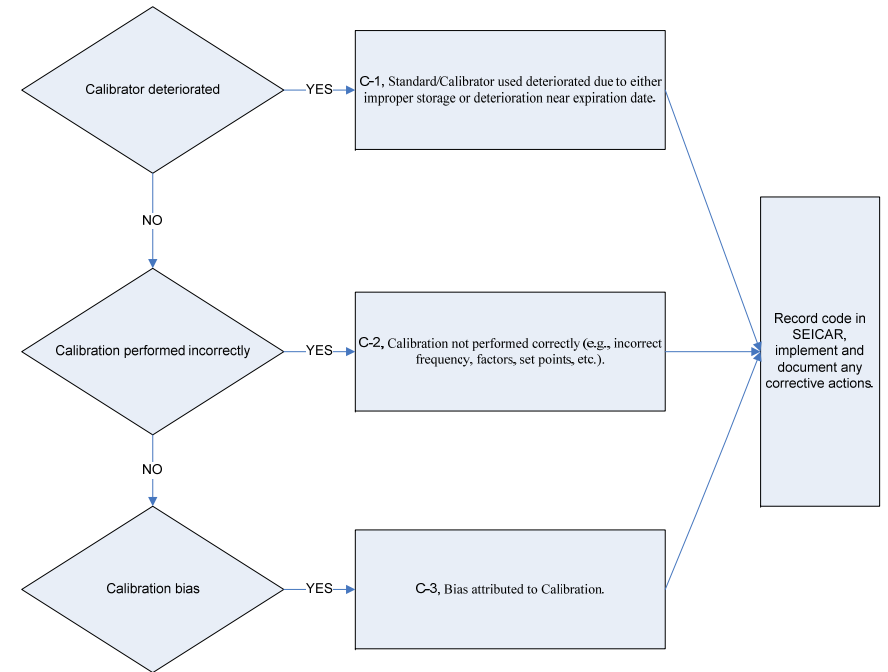
Quality Control Issue Flow Chart



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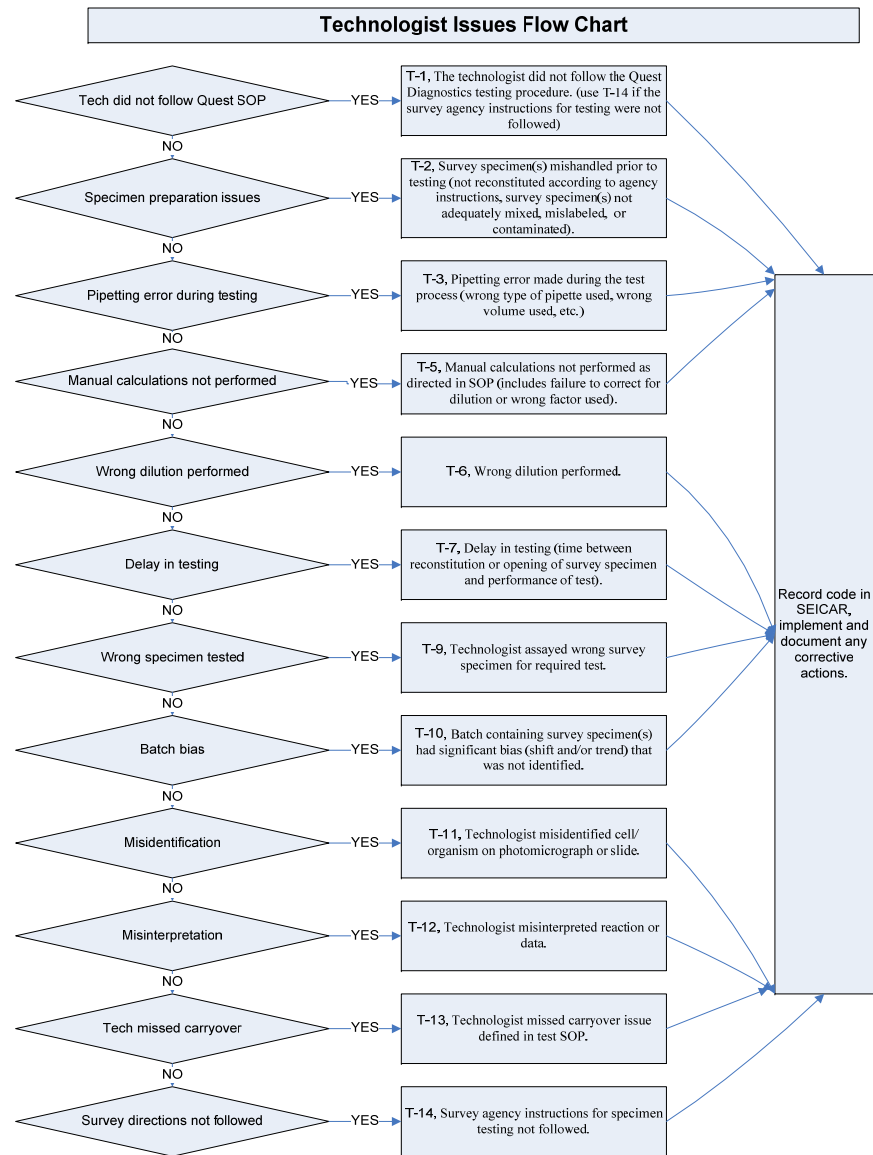
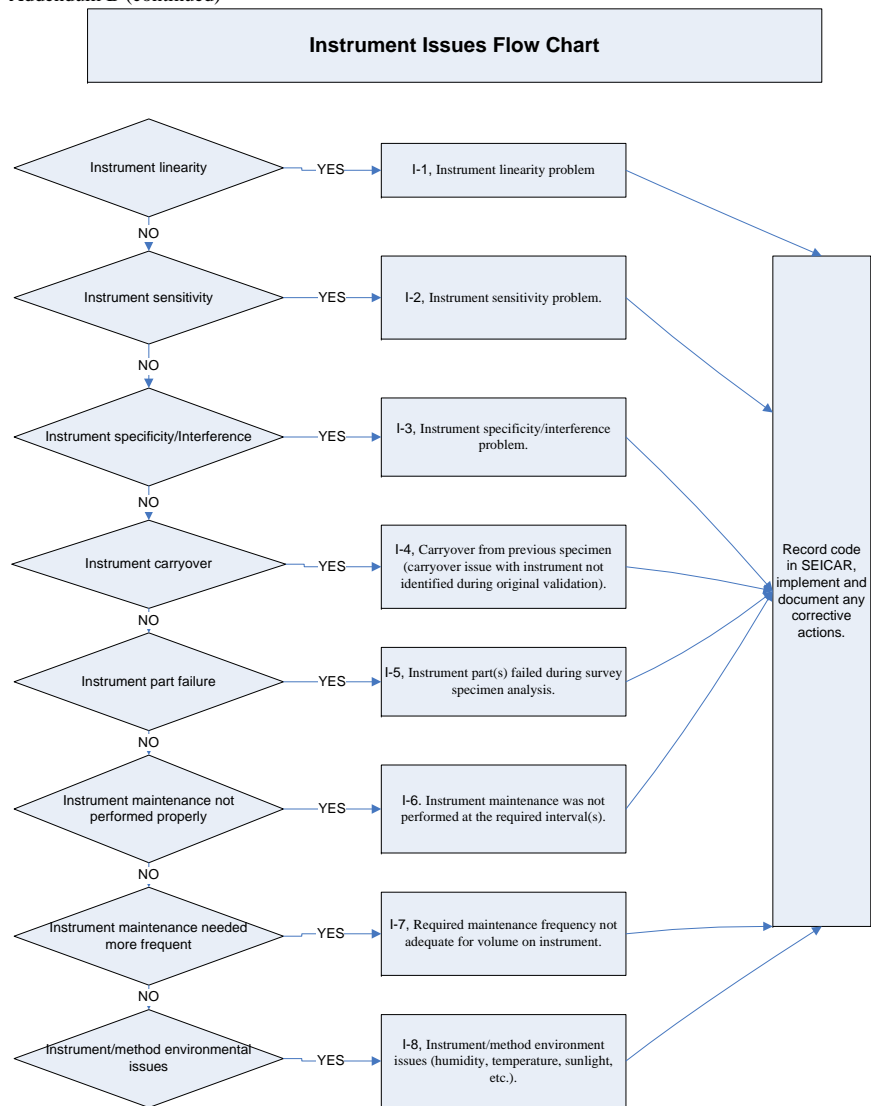
Addendum B (continued)

Calibration Issues Flow Chart

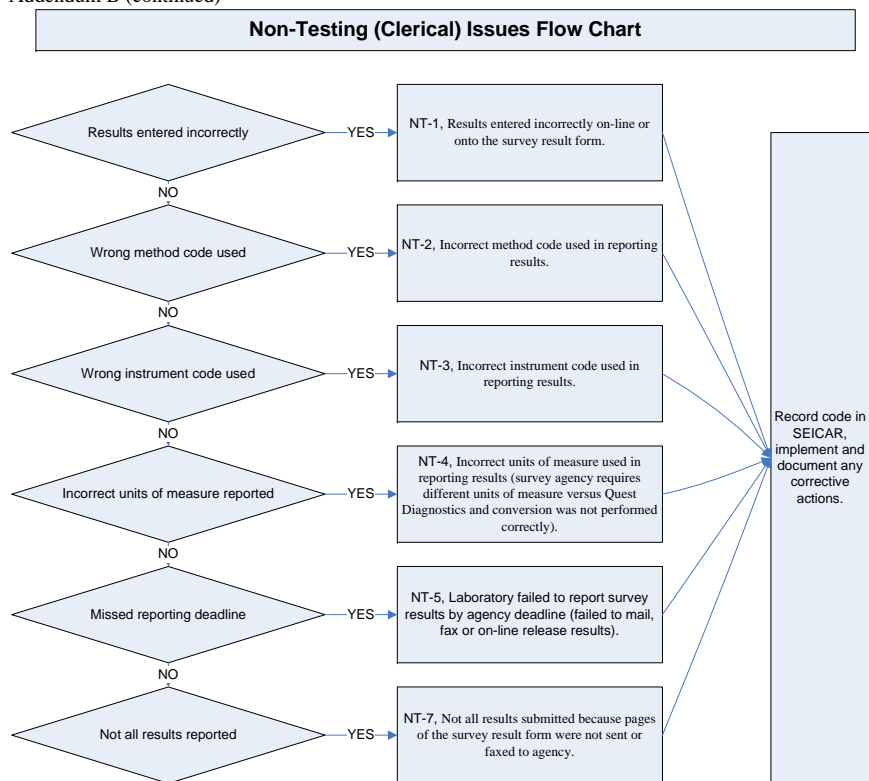


Form revised 3/31/10

Addendum B (continued)

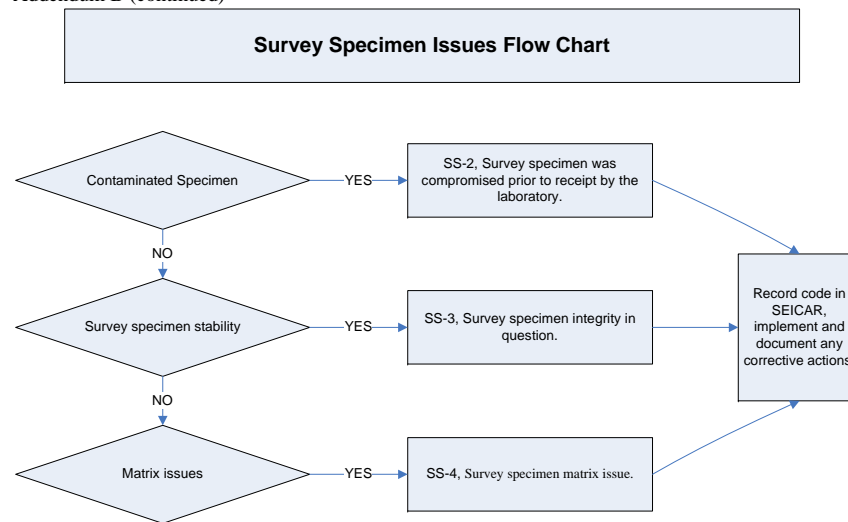


Addendum B (continued)

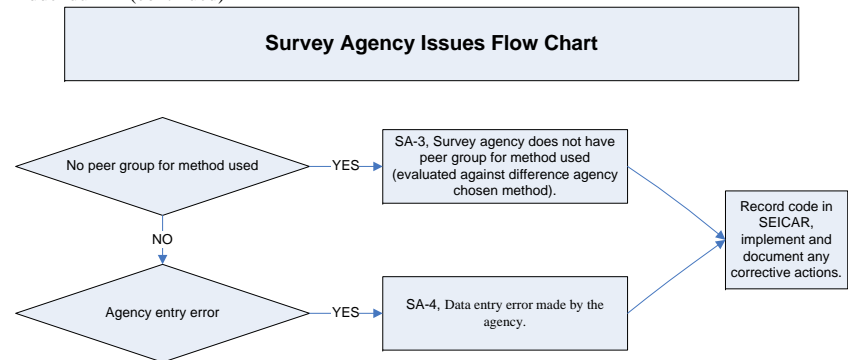


Form revised 12/13/11

Addendum B (continued)



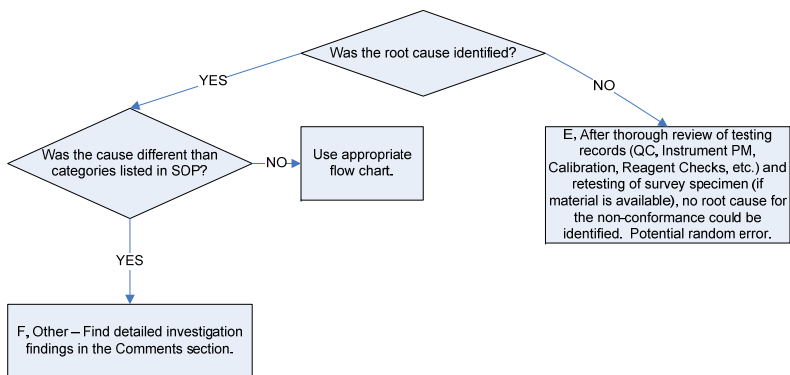
Addendum B (continued)



Form revised 12/13/11

Addendum B (continued)

No Root Cause or Other Issues Flow Chart



Addendum C

External Proficiency Programs

Approved for Accuracy Evaluations by Alternative Performance Assessment

Agency	Telephone Number
College of American Pathologists (CAP)	(800) 323-4040
Accutest, Inc.	(800) 665-2575
American Association of Bioanalysts (AAB)	(800) 234-5315
American Proficiency Institute (API)	(800) 333-0958
New York State Department of Health	(518) 474-8739
Puerto Rico Proficiency Testing Service	(787) 274-6827
WSLH	(800) 462-5261

Other CLIA Approved Proficiency Programs

Agency	Telephone Number
American Academy of Family Physicians (AAFP)	(800) 274-7911
California Thoracic Society (CTS)	(714) 730-1944
Medical Laboratory Evaluation Program (MLE)	(800) 338-2746
Commonwealth of Pennsylvania	(610) 280-3464



College of American Pathologists
 325 Waukegan Road, Northfield, Illinois 60093-2750
 800-323-4040 • <http://www.cap.org>

Advancing Excellence

ORIGINAL EVALUATION

AL2-A 2014 Alcohol/Ethylene Glycol/Volatiles

INSTITUTION: Shady Grove Adventist Emergency Ctr Lab
 Germantown MD 20874-1221

ATTENTION: Cynthia Bowman-Gholston MT(ASCP)

CAP NUMBER: 7196153-01 Kit# 1

KIT INFORMATION:	Kit ID:	Kit Mailed:	Original Evaluation:	Next Mailing Date:
	26431235	3/3/2014	4/3/2014	6/2/2014

COPIED TO:	Turner, Janet B CQA(ASQ)	Quest Diagnostics-Electronic PT	LAP
	CMS (21D1057352)		

LEGEND: Exception Reason Codes appearing in this evaluation:
 <NONE>

 Reviewed By

 Date

The College of American Pathologists recommends that the result of this interlaboratory comparison not be used as a sole criterion for judging the performance of any individual clinical laboratory.



College of American Pathologists
325 Waukegan Road, Northfield, Illinois 60093-2750
800-323-4040 • http://www.cap.org

Advancing Excellence

CAP Number: 7196153-01 Kit# 1
Institution: Shady Grove Adventist Emergency Ctr Lab
Attention: Cynthia Bowman-Gholston MT(ASCP)
City / State: Germantown MD 20874-1221

Kit ID: 26431235
Kit Mailed: 3/3/2014
Original Evaluation: 4/3/2014

EVALUATION
ORIGINAL

AL2-A 2014 Alcohol/Ethylene Glycol/Volatiles

Test Unit of Measure Peer Group	Evaluation and Comparative Method Statistics									Plot of the Relative Distance of Your Results from Target as Percentages of allowed Deviation Survey -100-----Mean-----+100
	Specimen	Your Result	Mean	S.D.	No. of Labs	S.D.I	Limits of Acceptability Lower Upper		Your Grade	
Ethanol mg/dL ALCOHOL DEHYDROGEN UV	AL2-01	58.00	50.585	2.294	2608	+3.2	37.93	63.24	Acceptable	
	AL2-02	88.00	81.016	2.987	2614	+2.3	60.76	101.28	Acceptable	
	AL2-03	261.00	253.882	7.778	2608	+0.9	190.41	317.36	Acceptable	
	AL2-04	122.00	120.068	4.063	2610	+0.5	90.05	150.09	Acceptable	
	AL2-05	102.00	100.354	3.490	2615	+0.5	75.26	125.45	Acceptable	

Near Miss Evaluation Specimen: _____ Analyte: _____

	Yes	No	N/A	Comments
Clerical error	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Previous failures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Testing repeated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
QC Review:				
Any bias or trends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Peer comparison OK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Instrument Review:				
Calibration OK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Maintenance OK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Assessment:
 No further action required at this time test performance is acceptable.
 Issue detected, complete full SEICAR.

Completed by:

The College of American Pathologists recommends that the result of this interlaboratory comparison not be used as a sole criterion for judging the performance of any individual clinical laboratory.



College of American Pathologists
 325 Waukegan Road, Northfield, Illinois 60093-2750
 800-323-4040 • <http://www.cap.org>

Advancing Excellence

CAP Number: 7196153-01 Kit# 1
 Institution: Shady Grove Adventist Emergency Ctr Lab
 Attention: Cynthia Bowman-Gholston MT(ASCP)
 City / State: Germantown MD 20874-1221

Kit ID: 26431235
 Kit Mailed: 3/3/2014
 Original Evaluation: 4/3/2014

EVALUATION
 ORIGINAL

AL2-A 2014 Alcohol/Ethylene Glycol/Volatiles

CMS Performance Summary for Analytes Regulated Under the Clinical Laboratory Improvement Amendments of 1988

CLIA ID #: 21D1057352

Subspecialty : Toxicology

Regulated Analyte	Proficiency Event 2013 2			Proficiency Event 2013 3			Proficiency Event 2014 1			Current Event Performance Interpretation	Cumulative CLIA '88 Performance Interpretation
	Test Event	Score	%	Test Event	Score	%	Test Event	Score	%		
Ethanol	AL2-B	5 / 5	100	AL2-C	5 / 5	100	AL2-A	5 / 5	100	Satisfactory	Successful
Toxicology		5 / 5	100		5 / 5	100		5 / 5	100	Satisfactory	Successful

The College of American Pathologists recommends that the result of this interlaboratory comparison not be used as a sole criterion for judging the performance of any individual clinical laboratory.