



Ron Smith & Associates, Inc.

www.RonSmithandAssociates.com

PLEASE NOTE:

- **THIS DOCUMENT IS FOR TEST DEMONSTRATION PURPOSES ONLY.**
- **THIS DOCUMENT HAS BEEN COMPRESSED FOR EASY WEB DOWNLOAD.**
- **IMAGES INCLUDED IN THIS DOCUMENT ARE USED TO SHOW WHAT IS INCLUDED IN A TYPICAL LP PROCESSING TEST. PACKAGING STAYS THE SAME BUT THE ITEMS WILL DIFFER FROM TEST TO TEST.**
- **REPORTS AND REPORT DATA CONTAINED IN THIS DOCUMENT ARE FOR SAMPLE PURPOSES ONLY.**

RS&A LATENT PRINT PROCESSING PROFICIENCY TEST

- We offer LP Processing Proficiency Tests twice per year, Spring and Fall.
- Each test cost \$350, but RS&A offers deep discounts on multi-year commitment and test quantities of 5 or more. Call us today and get your custom quote pricing.
- Each test contains at least 3 items of evidence to process.
- Participant results can be one of two results:
 - Ridge Detail Developed
 - No Ridge Detail Developed
- Participants are required to submit a photo of any ridge detail developed.
 - Photos do not have to be comparison quality. Use a cell phone.
- Important cycle dates can be found online.

IN THIS DOCUMENT YOU WILL FIND

- Instruction sheet.
- Photos of test packing and processed evidence items.
- Manufacturer report.
- Individual report.
- Advanced summary report.

For additional information, questions, or to order RS&A Proficiency Tests contact:

Lucas Hatcher, Sales and Marketing Director
Phone: 1-866-832-6772 or Email: testing@ronsmithandassociates.com

You can visit us online at:
www.RonSmithandAssociates.com



Ron Smith & Associates, Inc.
Testing Division

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Instructions for Latent Print Processing Proficiency Test

Test #XXXXX

Test Code: XXXXXXX

Submission Due Date: MM/DD/YYYY

Scenario:

A subject was detained for attempting to infiltrate a government press conference by using counterfeit press credentials. Upon searching the individual's pockets, a hand written note bearing the address of the press conference was recovered. Through interrogation of the subject it was determined that additional infiltration attempts at other events using similar counterfeit press badges were highly likely in the near future. In addition, investigators believe that a single individual is responsible for creating all of the counterfeit badges associated with the possible future infiltration attempts.

Investigators submitted the following items for latent print examination:

- Ex. 1 One counterfeit press badge.
- Ex. 2 One plastic badge holder
- Ex. 3 A paper note bearing the address of the press conference.



Instructions:

Process the items of evidence for the presence of friction ridge detail. The exhibits in this test should be treated in the same manner as items typically received within your laboratory. A hard copy worksheet has been provided for the examiner's convenience. Once the test has been completed in its entirety, the results must be entered into the web portal for electronic submission.

Prior to distribution of this test, all of the expected responses were determined, by internal and external consensus, to be either "Friction ridge detail was developed" or "No friction ridge detail was developed".

For each item of evidence that is processed and determined that friction ridge detail is not present select the conclusion box labeled "Friction ridge detail **was not** developed". For each item of evidence that is processed and it is determined that friction ridge detail is present, select the conclusion box labeled "Friction ridge detail **was** developed" and submit electronically captured images of the developed friction ridge detail.

After all processing examinations are complete, the results and images of friction ridge detail that was developed and captured must be submitted via the RS&A Web Portal at <http://www.ronsmithandassociates.com/proficiency>. The image(s) should not be larger than 10MB and should preferably be in .jpg format. Each image file name should include the Exhibit #.

Click "Results Entry Portals" on the left side of the page and then select "Latent Print Processing". You will be directed to log in by using the test code provided at the top of this document and the password that has been supplied to your agency. Prior to entering your results, you will be required to answer a few general demographic survey questions. Your responses and test results will be used to generate the summary report at the completion of this testing cycle. The RS&A Web Portal will save your responses as you enter them, allow you to work at your own pace, and if needed, complete your submission at a later time. **Both the Demographic Survey and the Results Entry Form must be completed in their entirety in order for RS&A to accept the test results.** There is an area for comments on the results form which will be published in the summary report. Comments are not required and are not considered as results, but are very much appreciated. If you are unable to submit your results via the RS&A Web Portal, please contact our Testing Division for alternate submission instructions.

In order for your results to be included in the final summary report for this test, responses must be received no later than **MM/DD/YYYY**

For any questions or inquiries concerning this test, please contact the Latent Print Processing Proficiency Testing Coordinator at 866-832-6772 or testing@ronsmithandassociates.com.



Latent Print Processing Proficiency Test #XXXXX
Demographic Survey

1. If your agency is ISO/IEC accredited, to which standard(s) are they accredited?

- 17020 17025 Not Accredited

2. Is the individual assigned to this test civilian or sworn?

- Civilian Sworn

3. Is the individual assigned to this test I.A.I. Certified in Latent Prints?

- Yes No

4. Is the individual assigned to this test I.A.I. Certified at any level of Crime Scene Investigation?

- Yes No

5. What is the primary job position of the individual assigned to this test?

- Latent Print Examiner Footwear Examiner Questioned Document Examiner
 Crime Scene Investigator Firearms/Tool Mark Examiner Other (specify): _____

6. Approximately, what percentage of the above referenced individual's time is devoted to the examination and processing of latent print evidence?

- Less than 25% 25% to 50% 51% to 75% 76% to 100%

7. Approximately, how many hours of formal latent print processing training has the above referenced individual completed?

- Less than 40 Hours 40-80 Hours 81-200 Hours
 201-400 Hours 401-1000 Hours 1001+ Hours

8. How long has the above referenced individual been processing evidence for latent prints?

- Less than 1 Year 1-3 Years 4-6 Years
 7-10 Years 11-20 Years 21+ Years

9. What is the highest level of education that the above referenced individual has completed?

- High School Associate's Degree Bachelor's Degree
 Master's Degree PhD



Consent to Release Results to Accrediting Bodies

Latent Print Processing Proficiency Test #XXXXX

If your agency is accredited and would like for Ron Smith and Associates, Inc. to submit proficiency test data to your designated accrediting body, complete the form below. Results will not be submitted to an accrediting body unless the completed form is returned to RS&A by the results submission deadline of **MM/DD/YYYY**.

For this requirement, please submit the following information through the RS&A Web Portal. If for any reason you are unable to utilize the portal, please contact a member of our Testing Division at 1-866-832-6772 for alternate submission instructions.

By completing and submitting the applicable information below, you hereby **authorize** Ron Smith and Associates, Inc. to release the results of the above test to the appropriate accrediting body.

ANAB _____ ASCLD/LAB _____ A2LA _____ OTHER (Define) _____

Certificate Number: _____

Laboratory Name: _____

Location (City/State): _____

Printed Name: _____ Title: _____

Signature: _____ Date: _____

Example Results Form

Exhibits Ex. #	Conclusion Friction Ridge Detail <u>Was Not</u> Developed	Conclusion Friction Ridge Detail Was Developed – See Electronically Captured Image
Ex. 1	X	
Ex. 2		X
Ex. 3		X

RS&A
 PT SAMPLE

Latent Print Processing Proficiency Test #XXXXX
Results Entry Form

Exhibits Ex. #	Conclusion Friction Ridge Detail <u>Was</u> <u>Not</u> Developed	Conclusion Friction Ridge Detail Was Developed – See Electronically Captured Image
Ex. 1		
Ex. 2		
Ex. 3		

Comments: _____

P.O. Box 670
Collinsville, MS 39325



Toll Free: 1-866-832-6772
Office: (601) 626-1100
Fax: (601) 626-1122

Ron Smith & Associates, Inc. Testing Division

www.RonSmithandAssociates.com | testing@ronsmithandassociates.com

TEST PACKAGING



P.O. Box 670
Collinsville, MS 39325

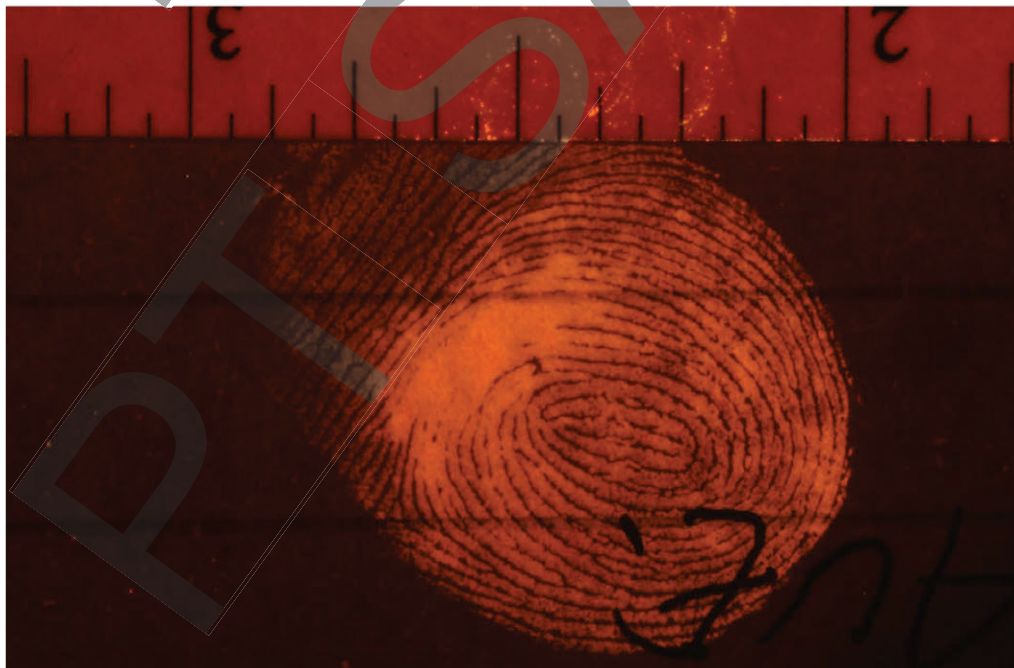


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Testing Division

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PARTICIPANT PHOTOS





Ron Smith & Associates, Inc.

Testing Division

www.RonSmithandAssociates.com | testing@ronsmithandassociates.com

Test Manufacturer's Information

Latent Print Processing Proficiency Test #XXXXX

This proficiency test consisted of three exhibits. These exhibits were created by depositing known latent prints onto both porous and non-porous surfaces using appropriate matrices. The participant was required to process the exhibits for the presence of friction ridge detail. The assigned values are as follows:

Exhibits Ex. #	Assigned Value
Ex. 1	Friction Ridge Detail Was Developed – Supported with Electronically Captured Image
Ex. 2	Friction Ridge Detail Was Not Developed OR Friction Ridge Detail Was Developed – Supported with Electronically Captured Image
Ex. 3	Friction Ridge Detail Was Developed – Supported with Electronically Captured Image

The assigned values were determined through the ground truth information and verified through unanimous agreement during pre-distribution testing.

Individual reports will be provided to participants by late MM/YYYY. The final summary report for this test will be posted on the Ron Smith and Associates website at <http://www.ronsmithandassociates.com/proficiency/lpprocessing.html> by mid-MM/YYYY.

For questions or further information, contact the Latent Processing Proficiency Test Coordinator at testing@ronsmithandassociates.com or call toll free at 1-866-832-6772.

Authorized by: Ron Smith
President
MM/DD/YYYY

Issue Date:



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Testing Division

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Individual Participant Report - Test Code: XXXXXXXX
Latent Processing Proficiency Test #XXXXXX

This proficiency test consisted of three exhibits. The participant was required to process the exhibits for the presence of friction ridge detail. Listed below are the responses submitted from the participant assigned to this test code as well as the assigned values for each of the exhibits. The assigned values were generated from our ground truth information and pre-distribution testing.

Exhibits Ex. #	Participant's Response	Assigned Value
Ex. 1	Ridge Detail Developed	Ridge Detail Developed
Ex. 2	No Ridge Detail Developed	Ridge Detail Developed Or Ridge Detail NOT Developed
Ex. 3	Ridge Detail Developed	Ridge Detail Developed

Additional information about this test and the statistics obtained from all individuals that participated in this proficiency testing cycle will be provided in the summary report and will be available on our website early MM/YYYY.

If your responses are inconsistent with the assigned values, RS&A provides its participants with a process to file an appeal. To initiate an appeal, please submit the required information in writing using the form located at <http://www.ronsmithandassociates.com/proficiency/appealsform.html>.

RS&A maintains the confidentiality of all clients. All results are published using randomly generated test codes and passwords. We will not release the identity of any participant without the written consent of the participant.

For questions or further information, contact the Latent Print Processing Proficiency Test Coordinator at testing@ronsmithandassociates.com or call toll free at 1-866-832-6772.

Authorized by: Ron Smith, President
Ron Smith and Associates, Inc.

Date of Issue:



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Summary Report

Latent Print Processing Proficiency Test #XXXXX

Issued: MM/DD/YYYY

On MM/DD/YYYY, Ron Smith and Associates, Inc. (RS&A) shipped the XXXX Latent Print Processing Proficiency Test #XXXXX. Participants were required to submit their responses no later than MM/DD/YYYY in order for them to be included in this summary report. A total of XX tests were ordered and shipped, with XX participant returning their responses. **This summary report is based on XXX individual responses (XX participants returning X responses each).**

The results presented in this report reflect whether or not the participants' submitted results agree or disagree with the assigned values garnered from pre-distribution testing and outlined in ***The Manufacturer's Report*** (Appendix 1). The primary purpose of a Summary Report is to provide an overall documentation of all the submitted responses. It is RS&A's intention to go a step further by providing more meaningful statistical results through analyzing the submitted responses in relation to the demographics obtained from each of the examiners participating in this proficiency test. All results and statistics for Test #XXXXX will be outlined through graphs and charts found in the remainder of this report.

RS&A strives to maintain the confidentiality of all of its clients and participants. All results are obtained and published using randomly generated test codes. RS&A will not release the identity of any participant without the written consent of the participant and/or the agency involved.

For any additional information, please contact the Latent Print Processing Proficiency Testing Coordinator at testing@ronsmithandassociates.com or call toll free at 1-866-832-6772.

Appendix 1

Test Manufacturer's Information

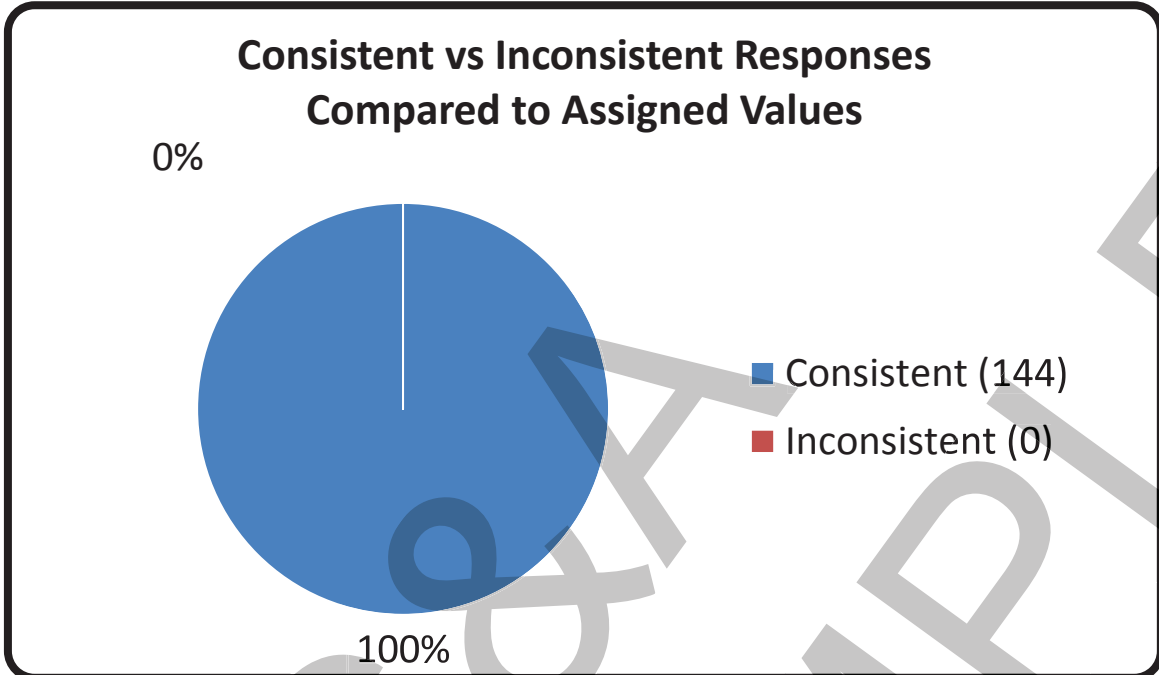
Latent Print Processing Proficiency Test #XXXXX

This proficiency test consisted of three exhibits. These exhibits were created by depositing known latent prints onto both porous and non-porous surfaces using appropriate matrices. The participant was required to process the exhibits for the presence of friction ridge detail. The assigned values are as follows:

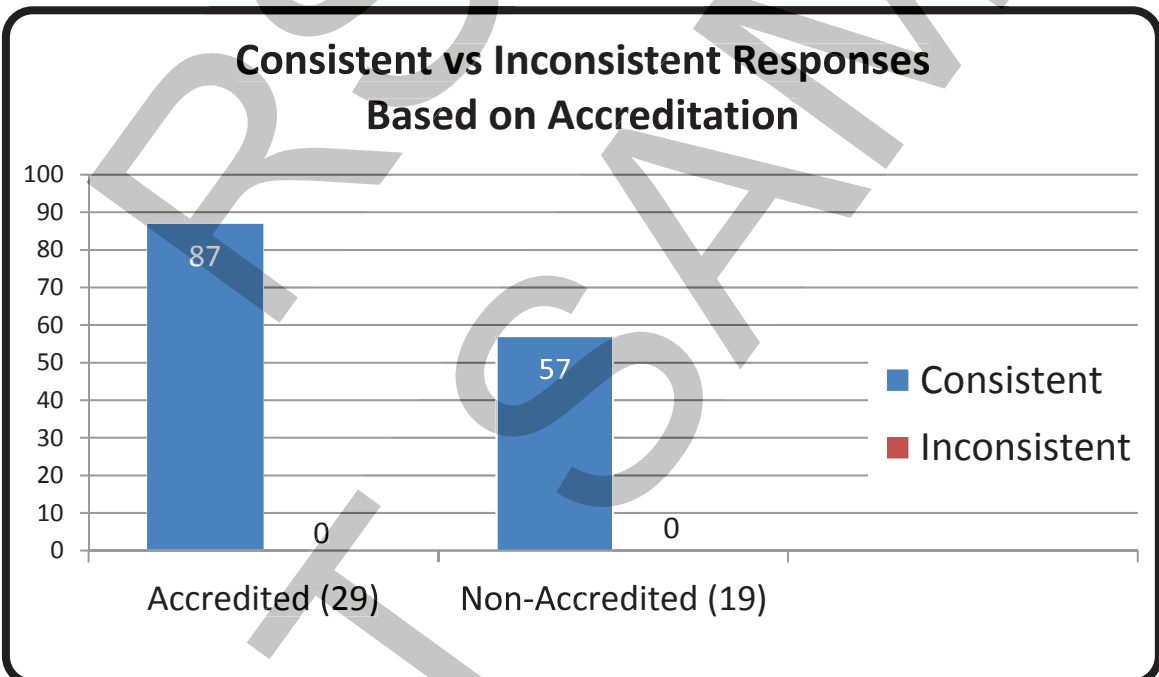
Exhibits Ex. #	Assigned Value
Ex. 1	Friction Ridge Detail Was Developed – Supported with Electronically Captured Image
Ex. 2	Friction Ridge Detail Was Not Developed OR Friction Ridge Detail Was Developed – Supported with Electronically Captured Image
Ex. 3	Friction Ridge Detail Was Developed – Supported with Electronically Captured Image

The assigned values were determined through the ground truth information and verified through unanimous agreement during pre-distribution testing.

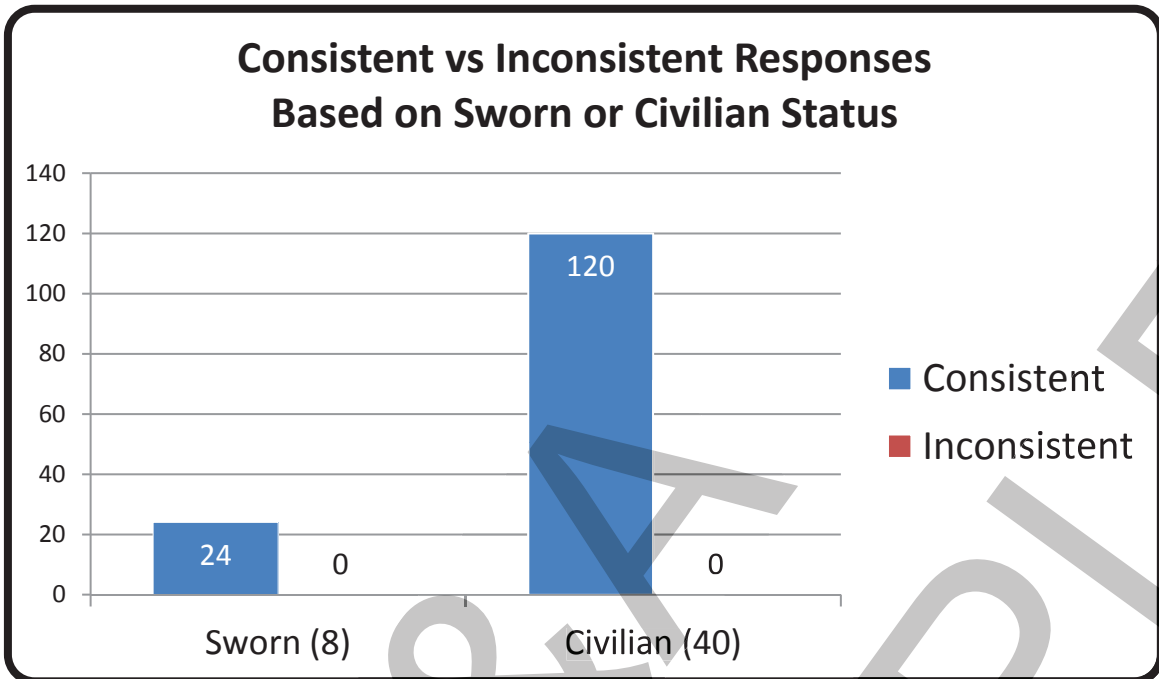
Appendix 2



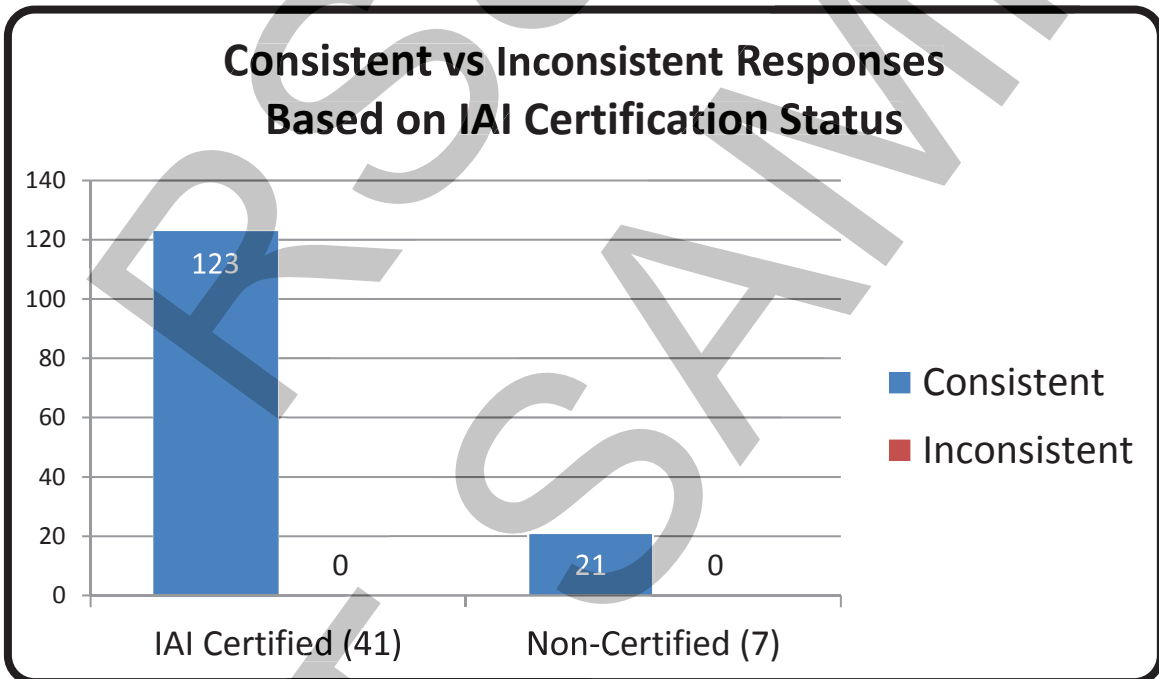
Appendix 3



Appendix 4

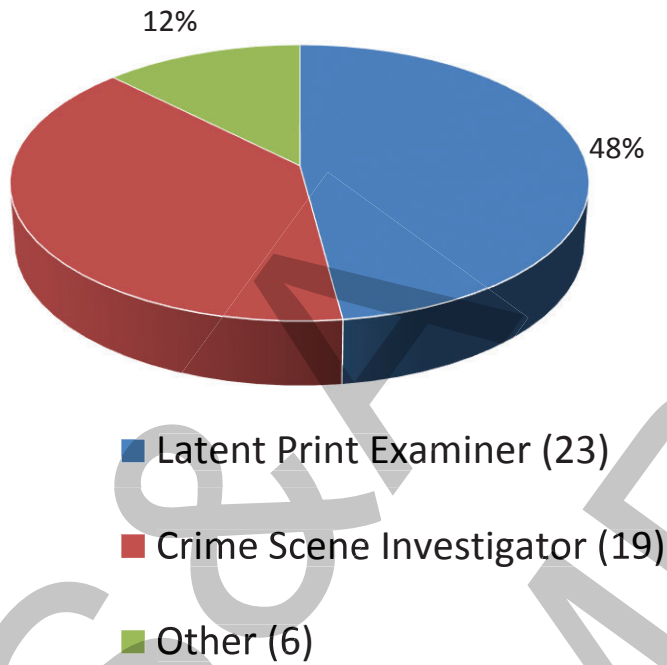


Appendix 5

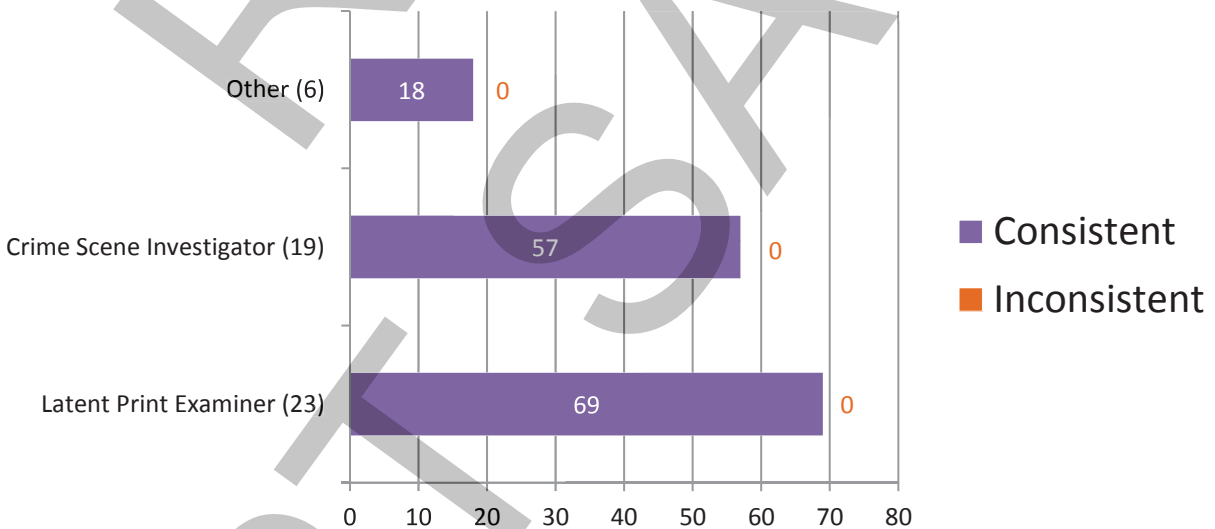


Appendix 6

Percentage of Participants Based on Primary Job Position

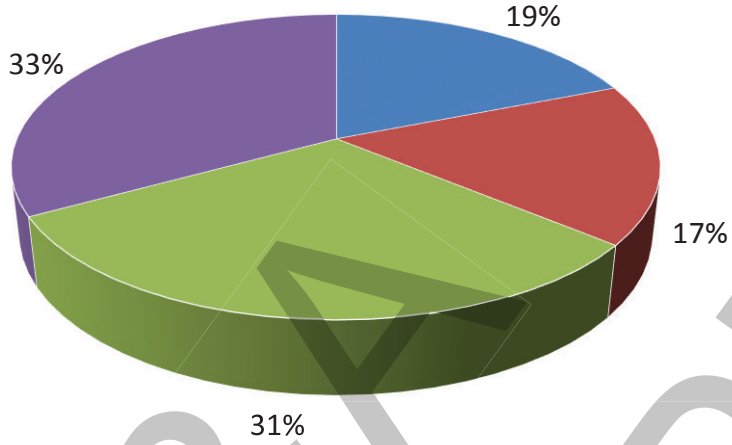


Consistent vs Inconsistent Responses Based on Primary Job Position



Appendix 7

Percentage of Participants Based on Time Devoted to Latent Print Processing and Examination

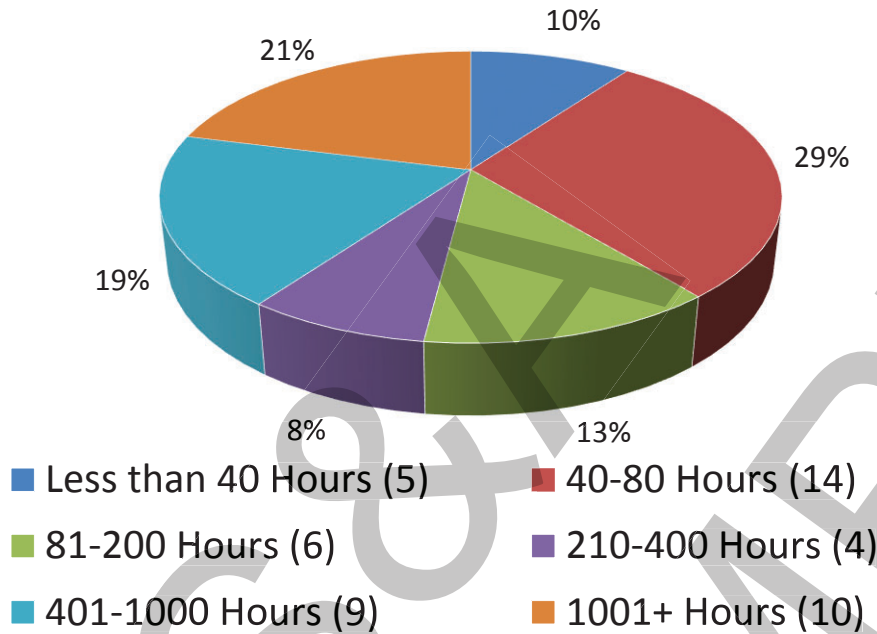


Consistent vs Inconsistent Responses Based on Time Devoted to Footwear Casework

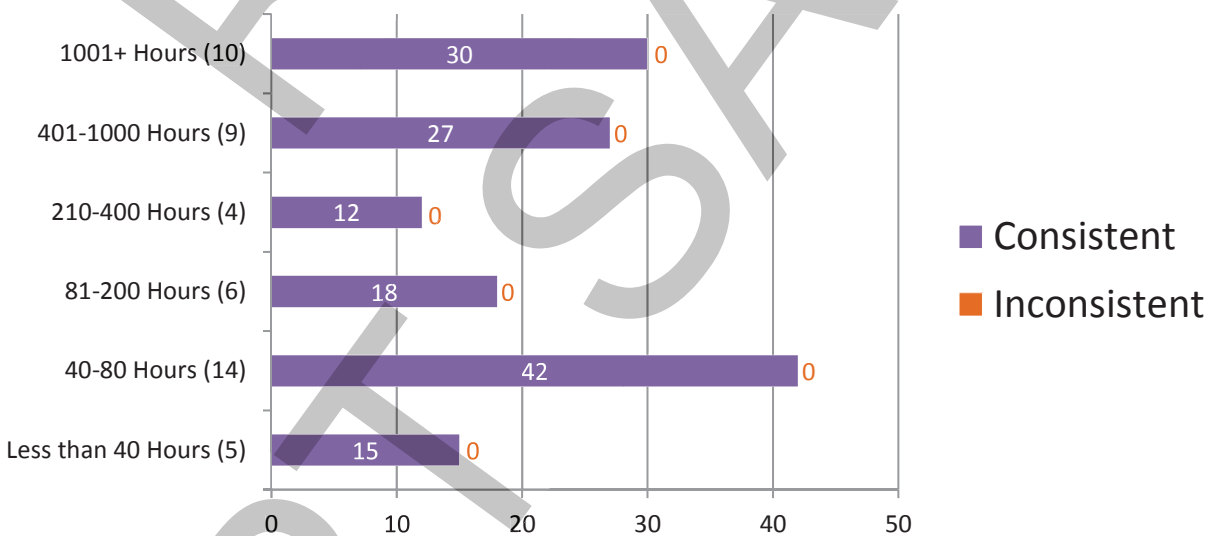


Appendix 8

Percentage of Participants Based on Hours of Footwear Training Completed

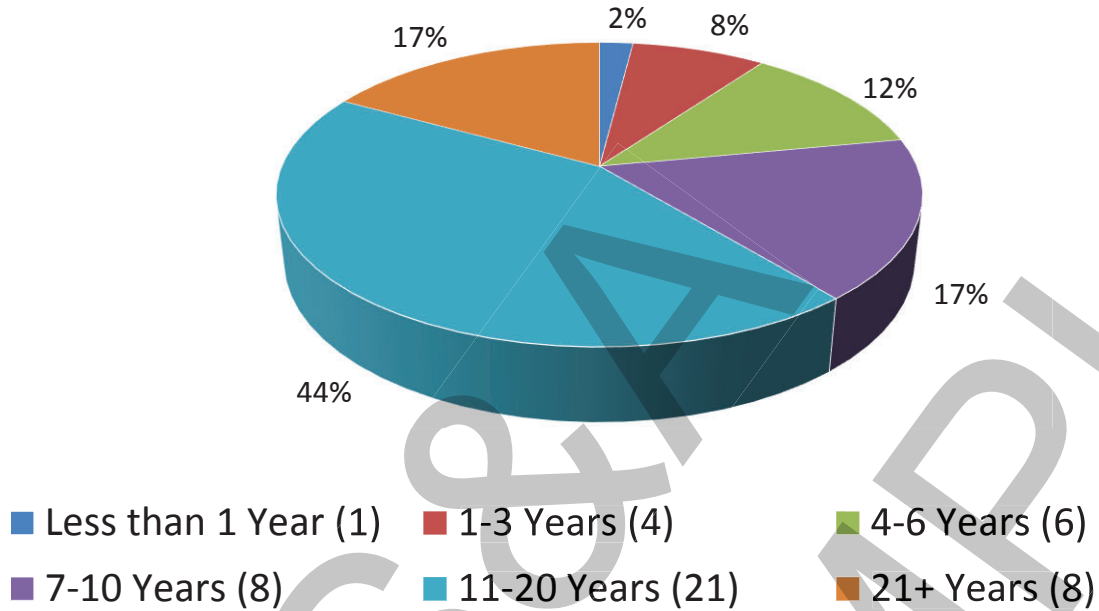


Consistent vs Inconsistent Responses Based on Hours of Footwear Training Completed

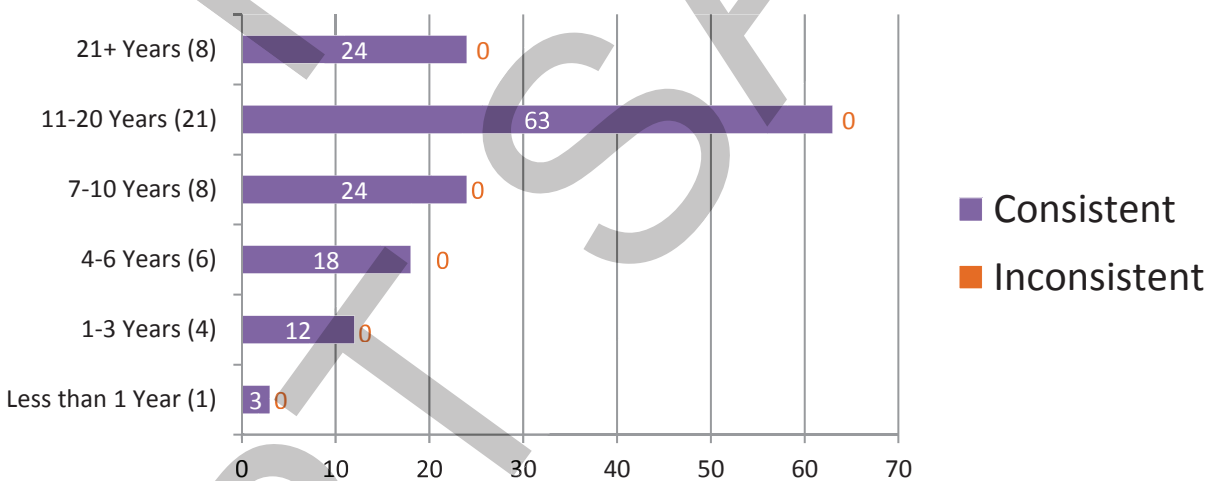


Appendix 9

Percentage of Participants Based on Years of Experience in Footwear Examinations

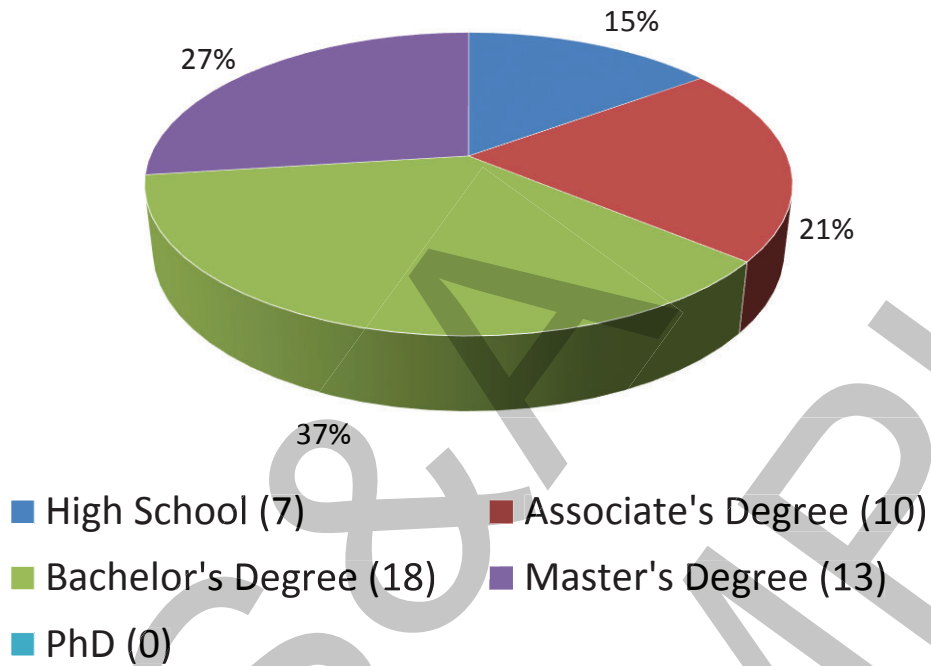


Consistent vs Inconsistent Responses Based on Years of Experience in Footwear Examinations

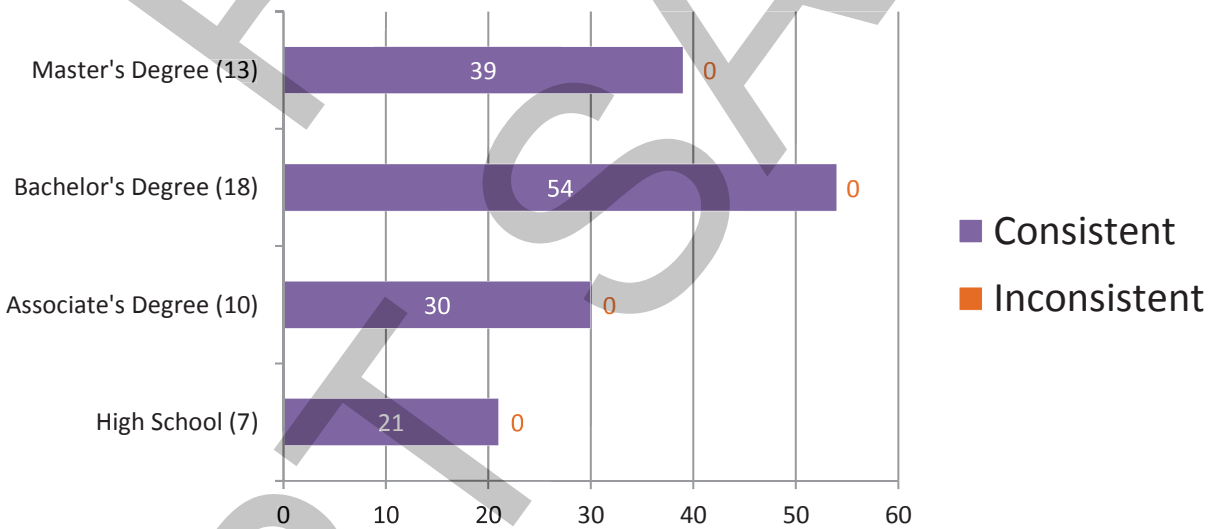


Appendix 10

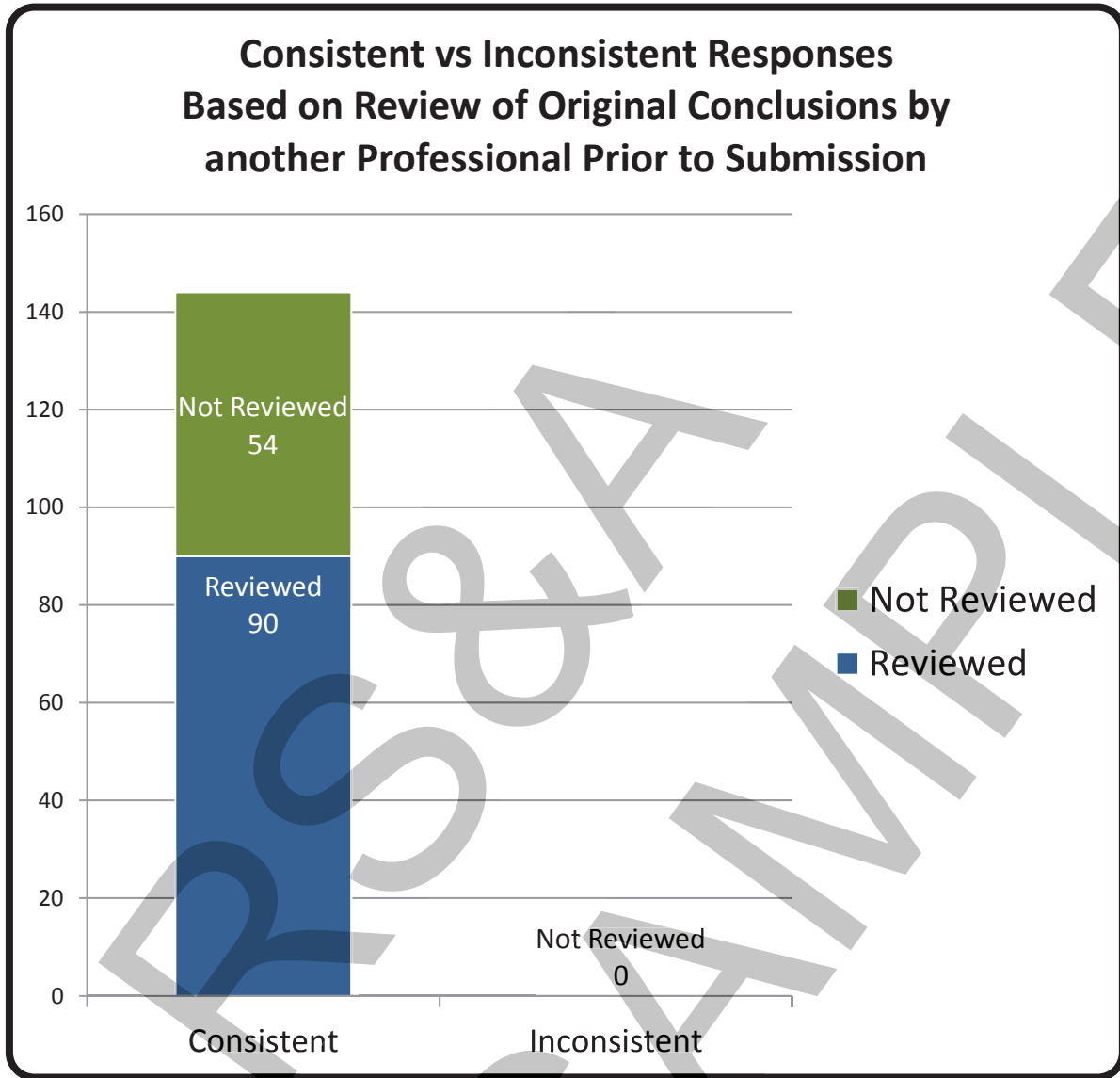
Percentage of Participants Based on Highest Level of Education Completed



Consistent vs Inconsistent Responses Based on Highest Level of Education Completed



Appendix 11



Appendix 12

Participant Responses Listed by Test Code

Exhibit #	Ex. 1	Ex. 2	Ex. 3	
Assigned Values	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed OR Friction Ridge Detail Was <u>Not</u> Developed	Friction Ridge Detail Was Developed	
Test Code	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed

	Assigned Values	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed OR Friction Ridge Detail Was Not Developed	Friction Ridge Detail Was Developed
Test Code	XXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed
	XXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed
	XXXXXXXXXX	Friction Ridge Detail Was Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail Was Developed

Totals

Exhibit #	Ex. 1	Ex. 2	Ex. 3
Assigned Values	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed OR Friction Ridge Detail Was Not Developed	Friction Ridge Detail Was Developed
Consistent Responses	00	00	00
Inconsistent Responses	0	0	0
Percentage of Consistent Responses	100%	100%	100%

Participant's Additional Comments

Test ID	Comments
XXXXXXXXXX	<p>“Exh:1 Upon visual inspection I noticed a finger impression. I used dual contrast powder to further develop the print. Digital Image was taken.</p> <p>Exh:2 Upon visual inspection no impression was noticed. I used dual contrast powder. No ridge detail was developed.</p> <p>Exh:3 Photo copy was made of paper. Ninhydrin was used, then evidence was placed in heat chamber for further development of prints. After 15 minutes I noticed ridge detail had developed, and digital image was taken.”</p>
XXXXXXXXXX	<p>“Ex 1 disclosed impression at visual examination, and photographed. Ex. 1 then treated with Aluminium Powder which further enhanced the original impression, re-photographed, submitted (see attached image). Ex. 1 subjected to further sequential treatment of superglue fuming followed BY-40 dye-staining, result no further impressions revealed. No improvement over the 'Ali' powder treatment, no further impressions developed. Ex. 1 complete.</p> <p>Ex 2 Initial Visual and Fluorescent examination - result negative. Ex. 2 then subjected to Superglue fuming followed by BY-40 dye-stain procedure which disclosed the resulting impression, submitted (see attached). EX. 2 complete</p> <p>Ex. 3 Initial visual examination, result negative. Ex. 3 then examined using fluorescent lights (green laser 532nm) - result impression visualised and recorded, not submitted. Ex. 3 then subjected to Indandione process and impression further revealed / enhanced and recorded, submitted (see attached). Ex. 3 subjected to further sequential treatments of; Ninhydrin, impression re-photographed, not submitted and; Physical Developer Treatment, result no further impressions developed. Ex 3 complete.”</p>

Manufacturer's Additional Observations

Based upon a review of the one hundred forty four (XXX) total submitted responses, the following observations were noted:

1. There were no inconsistent responses submitted from participants in test XXXXX. RS&A chose to accept both "Friction ridge detail was developed, as well as Friction ridge detail was NOT developed" as accurate findings on exhibit 2. Some participants did find a print evidently left during the manufacturing process of the object.

Authorized by: Ron Smith, President
Ron Smith and Associates, Inc.

Date of Issue: MM/DD/YYYY

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