

## Headquarters Laboratory

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# Ron Smith & Associates, Inc.

## Testing Division

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## Summary Report

Spring 2019 Latent Print Processing Proficiency Test #19501

Issued: April 29, 2019

On February 25, 2019, Ron Smith and Associates, Inc. (RS&A) shipped the 2019 Spring Latent Print Processing Proficiency Test #19501. Participants were required to submit their responses no later than March 25, 2019 in order for them to be included in this summary report.

A total of 91 tests were ordered and shipped, with 88 participants returning their responses. **This summary report is based on 352 individual responses (88 participants returning 4 responses each).** The test included four items for latent print processing.

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 this test will be outlined through graphs and charts found in the remainder of this report.

Prior to distribution of this test, all of the expected responses were determined, by internal and external consensus, to be either "positive" or "negative" for friction ridge detail.

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 Proficiency Testing Coordinator at [testing@ronsmithandassociates.com](mailto:testing@ronsmithandassociates.com) or call toll free at 1-866-832-6772.

# Appendix 1

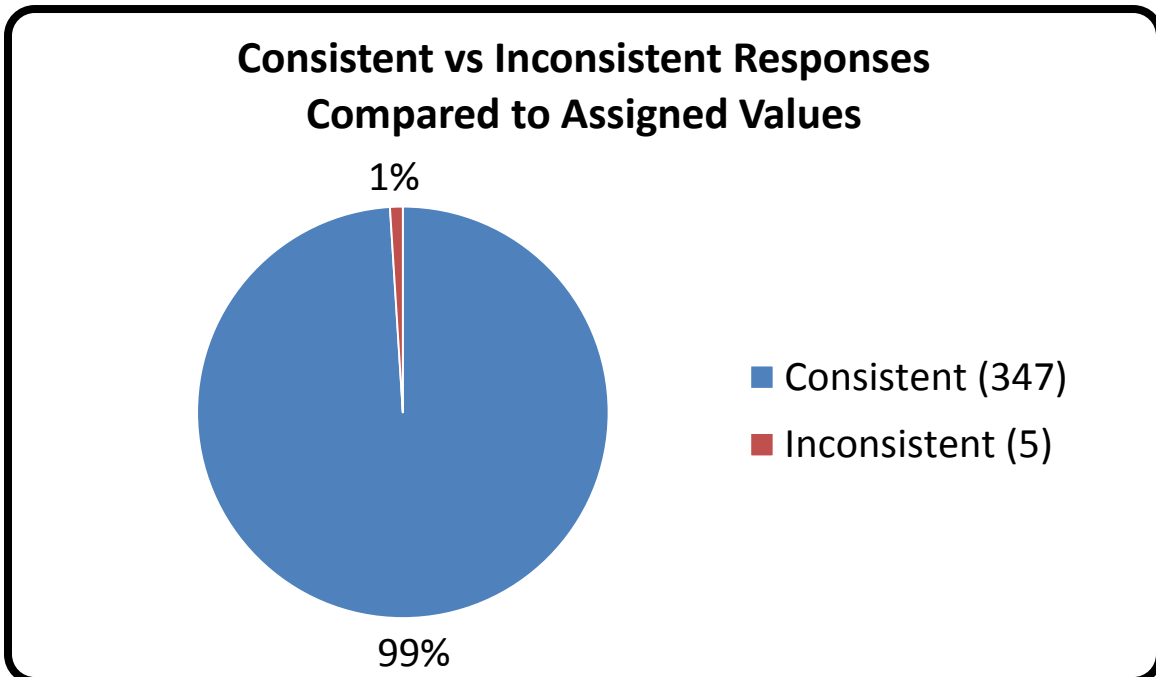
## Test Manufacturer's Information

### Spring 2019 Latent Print Processing Proficiency Test #19501

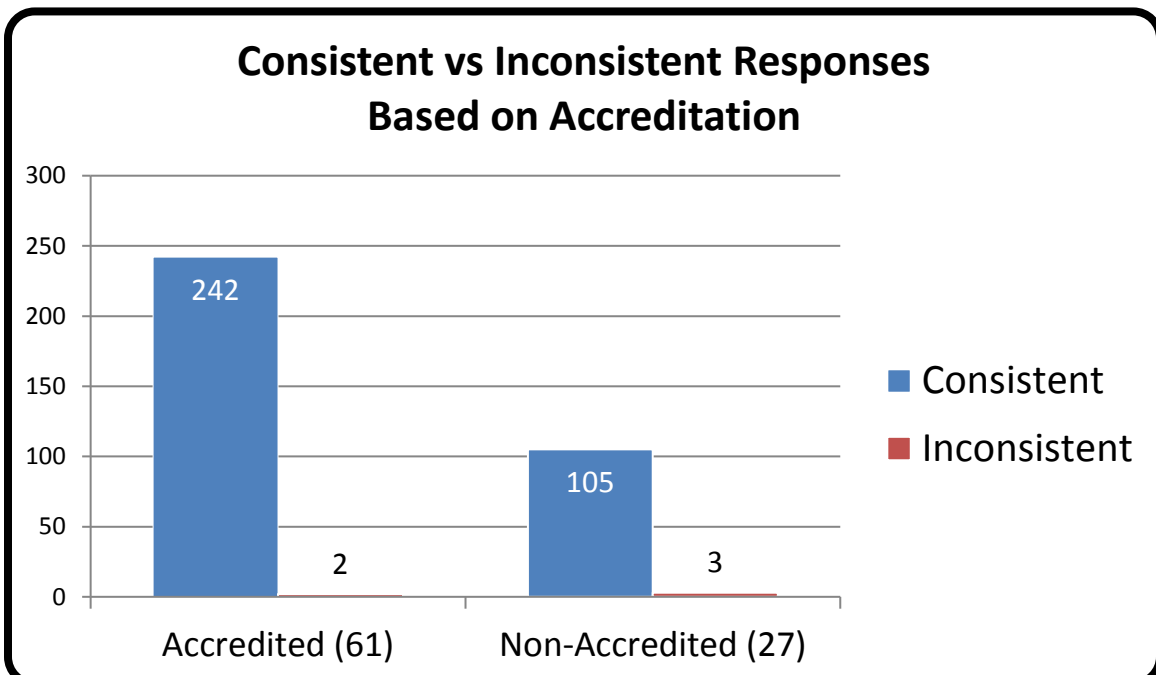
The test consisted of four items for latent print processing. The assigned values were determined through the ground truth information and verified through unanimous agreement during pre-distribution testing. The assigned values are:

Item #	Participant's Response	Assigned Value
Item #1	Friction Ridge Detail <b><u>Was Not</u></b> Developed	Friction Ridge Detail <b><u>Was Not</u></b> Developed
Item #2	Friction Ridge Detail <b><u>Was Not</u></b> Developed	Friction Ridge Detail <b><u>Was Not</u></b> Developed
Item #3	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed
Item #4	Friction Ridge Detail Was Developed	Friction Ridge Detail Was Developed

## Appendix 2



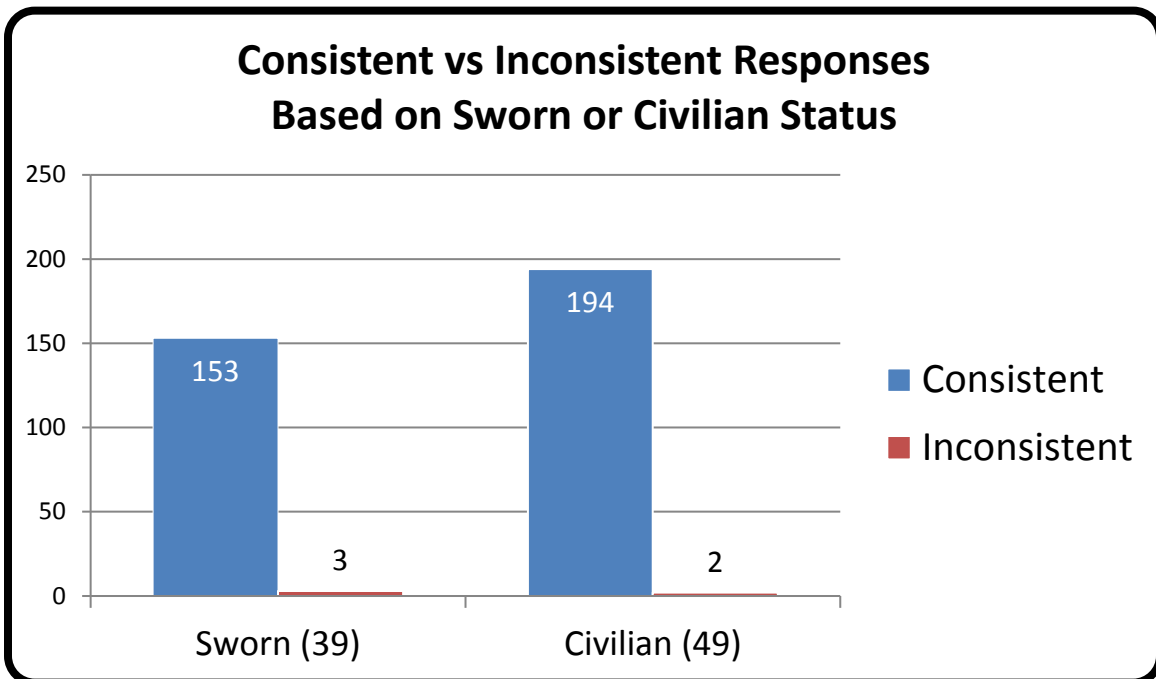
## Appendix 3



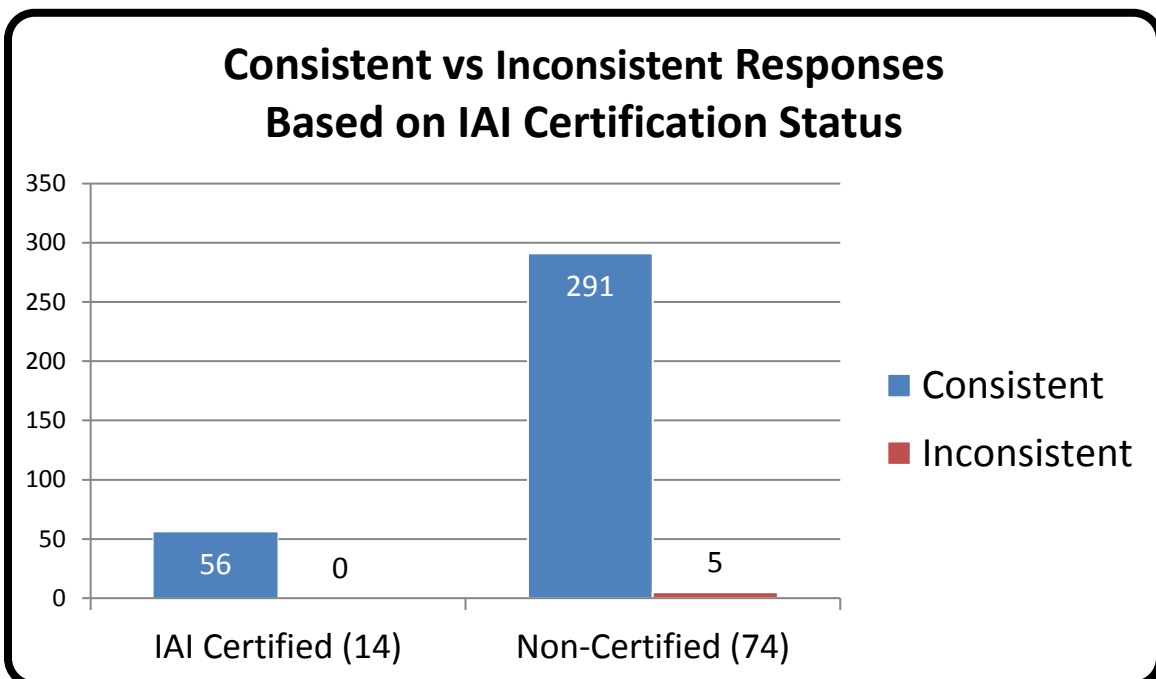
\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

\*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

## Appendix 4



## Appendix 5

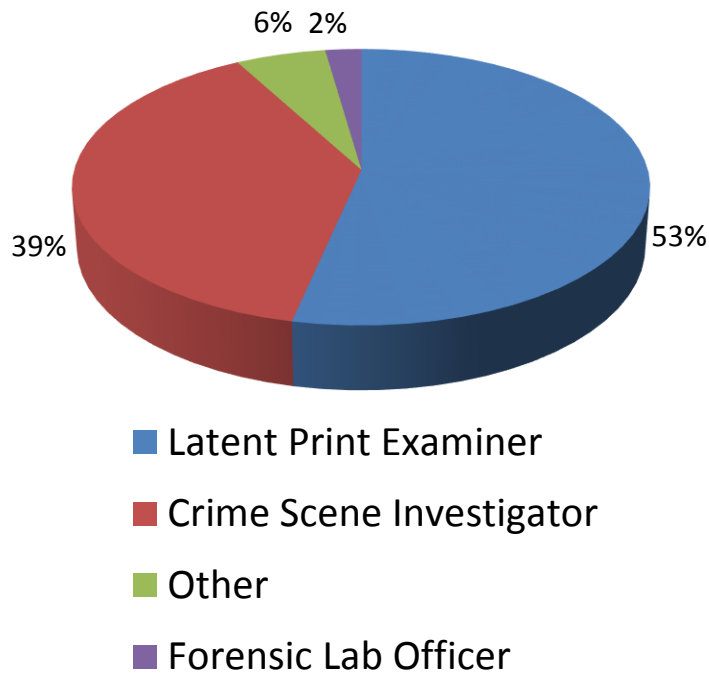


\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

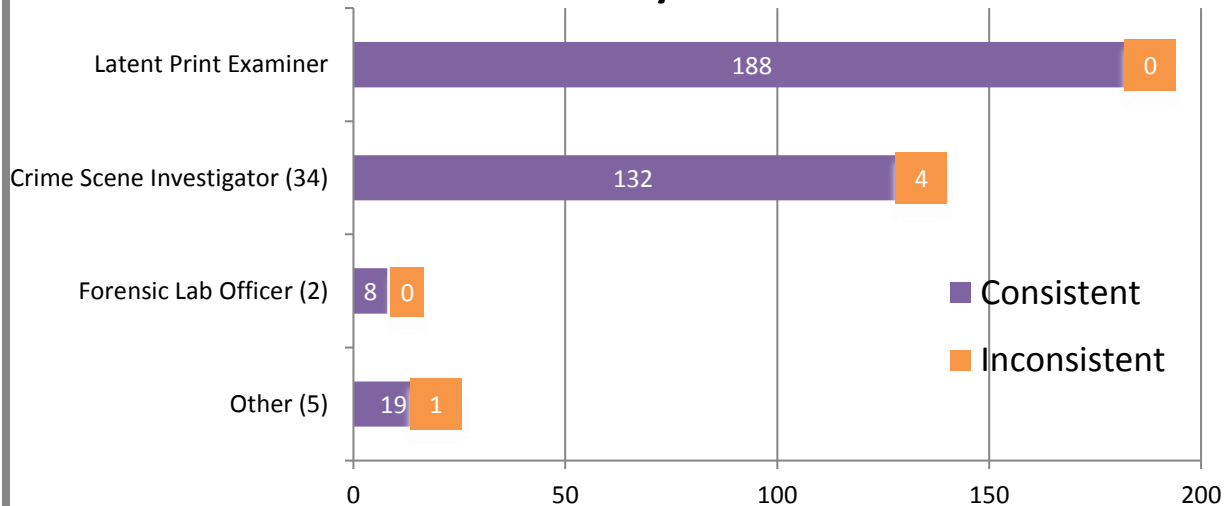
\*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

## Appendix 6

### Percentage of Participants Based on Primary Job Position



### Consistent vs Inconsistent Responses Based on Primary Job Position

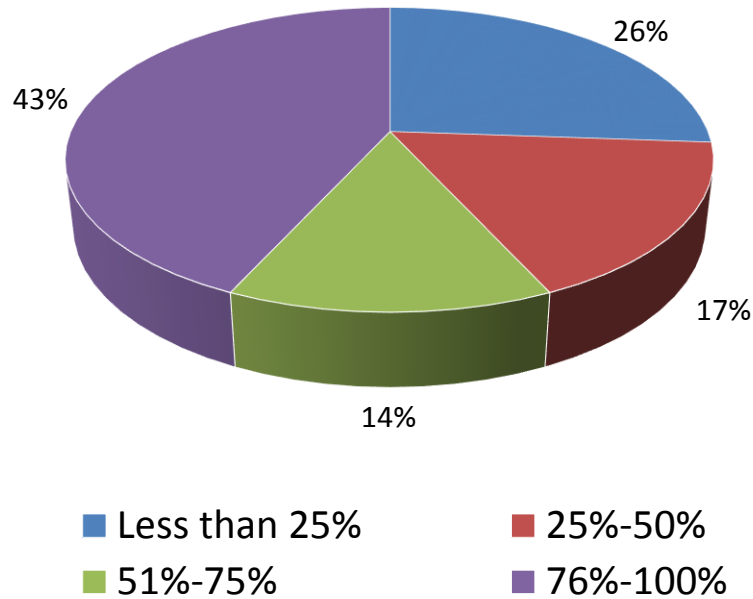


\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

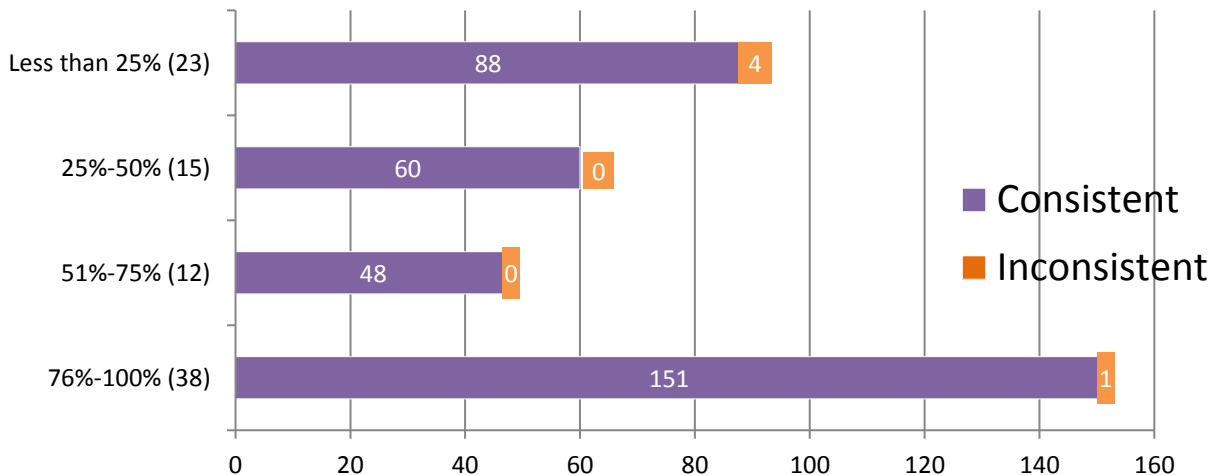
\*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

## Appendix 7

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



### Consistent vs Inconsistent Responses Based on Time Devoted to Examination and Processing of Latent Print Evidence

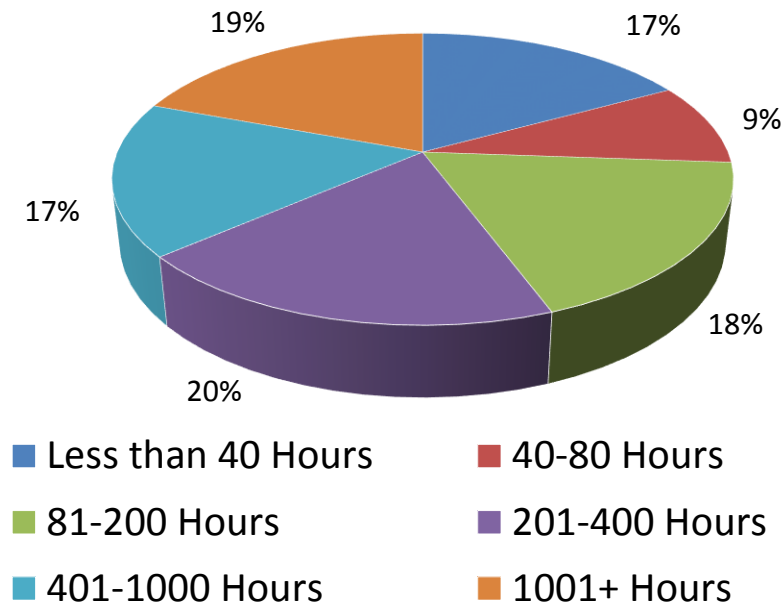


\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

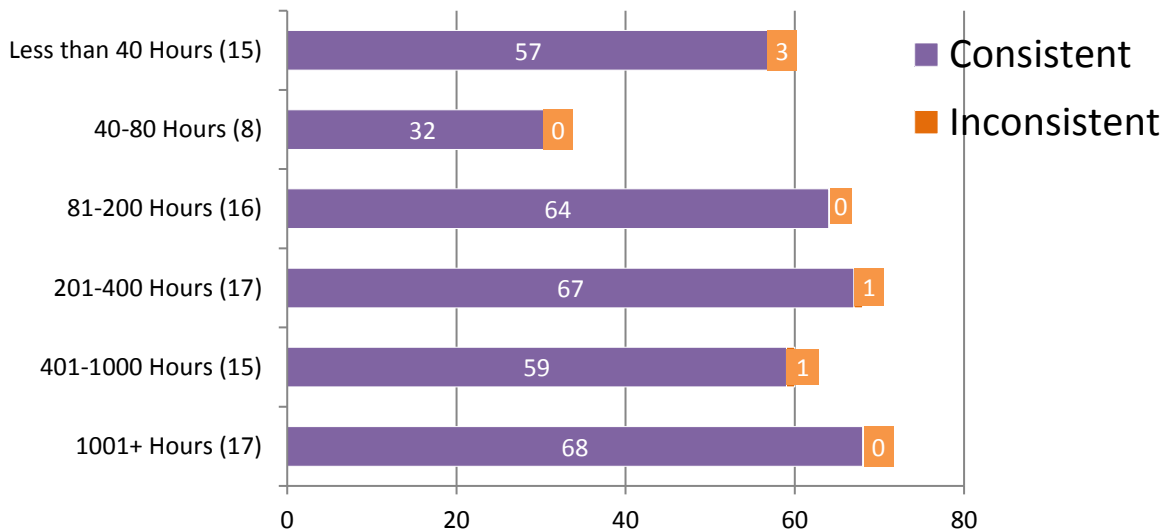
\*For further information, please read *Manufacturer's Additional Observations* on the final page of this report.

## Appendix 8

### Percentage of Participants Based on Hours of Latent Print Processing Training Completed



### Consistent vs Inconsistent Responses Based on Hours of Latent Print Processing Training Completed

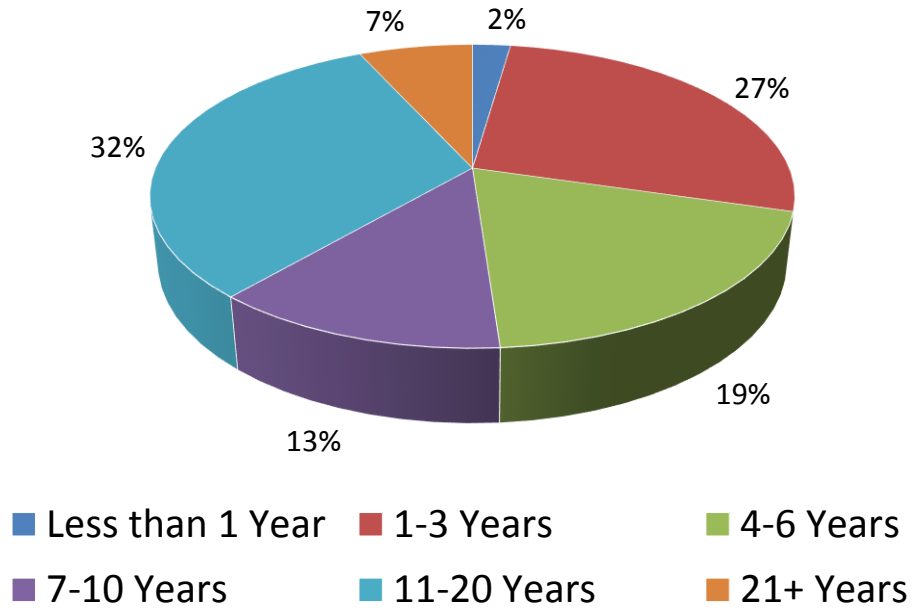


\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

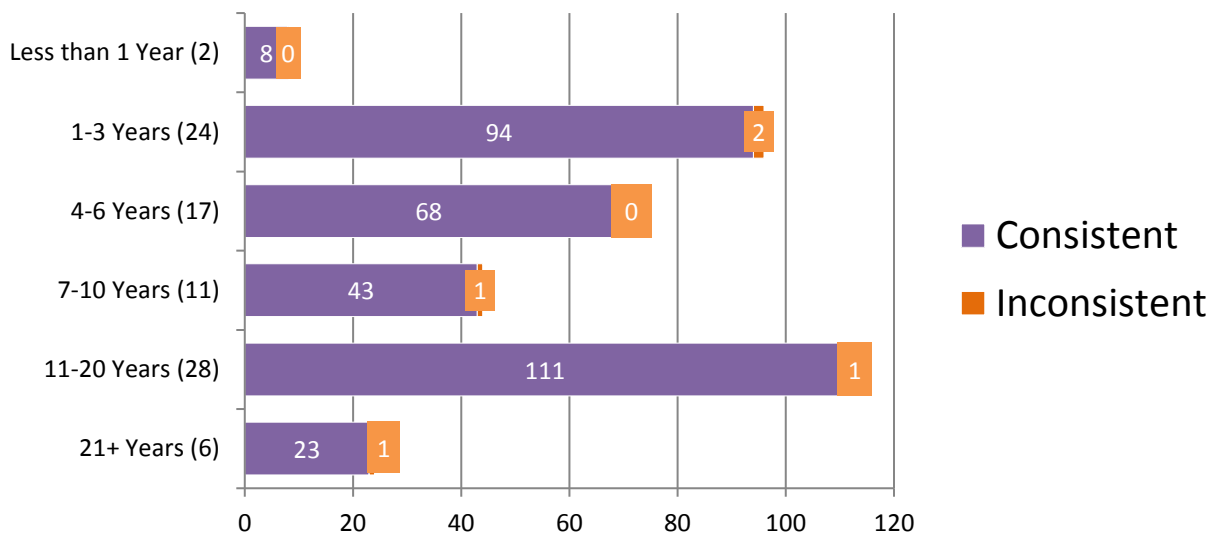
\*For further information, please read *Manufacturer's Additional Observations* on the final page of this report.

## Appendix 9

### Percentage of Participants Based on Years of Experience in Latent Print Processing



### Consistent vs Inconsistent Responses Based on Years of Experience in Latent Print Processing



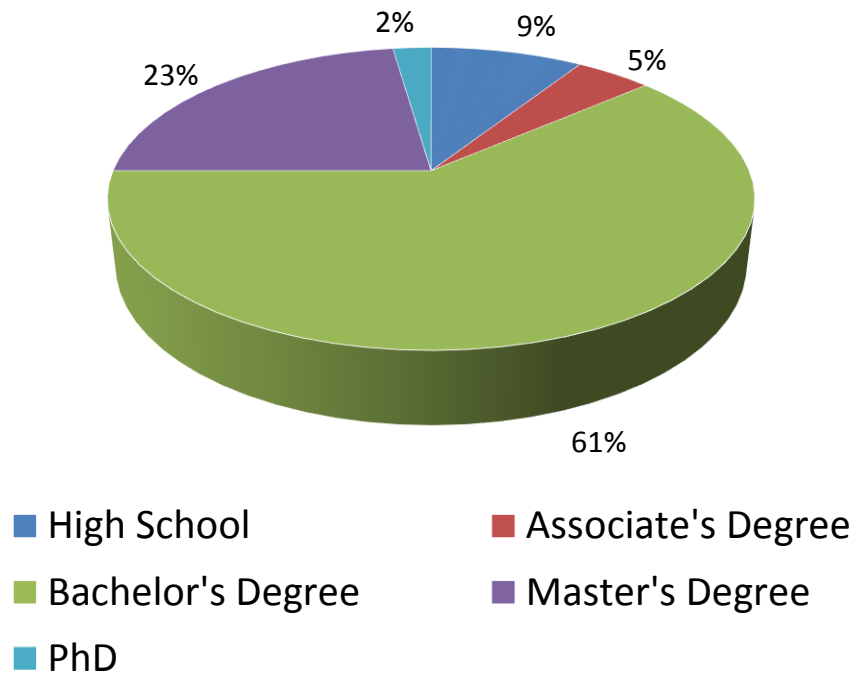
\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

\*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

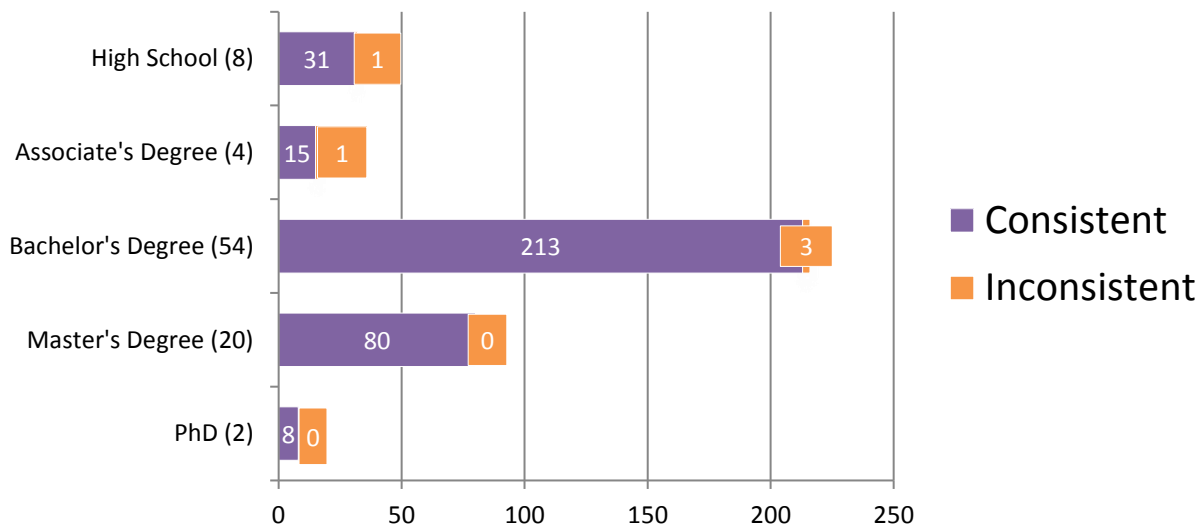


## Appendix 10

### Percentage of Participants Based on Highest Level of Education Completed



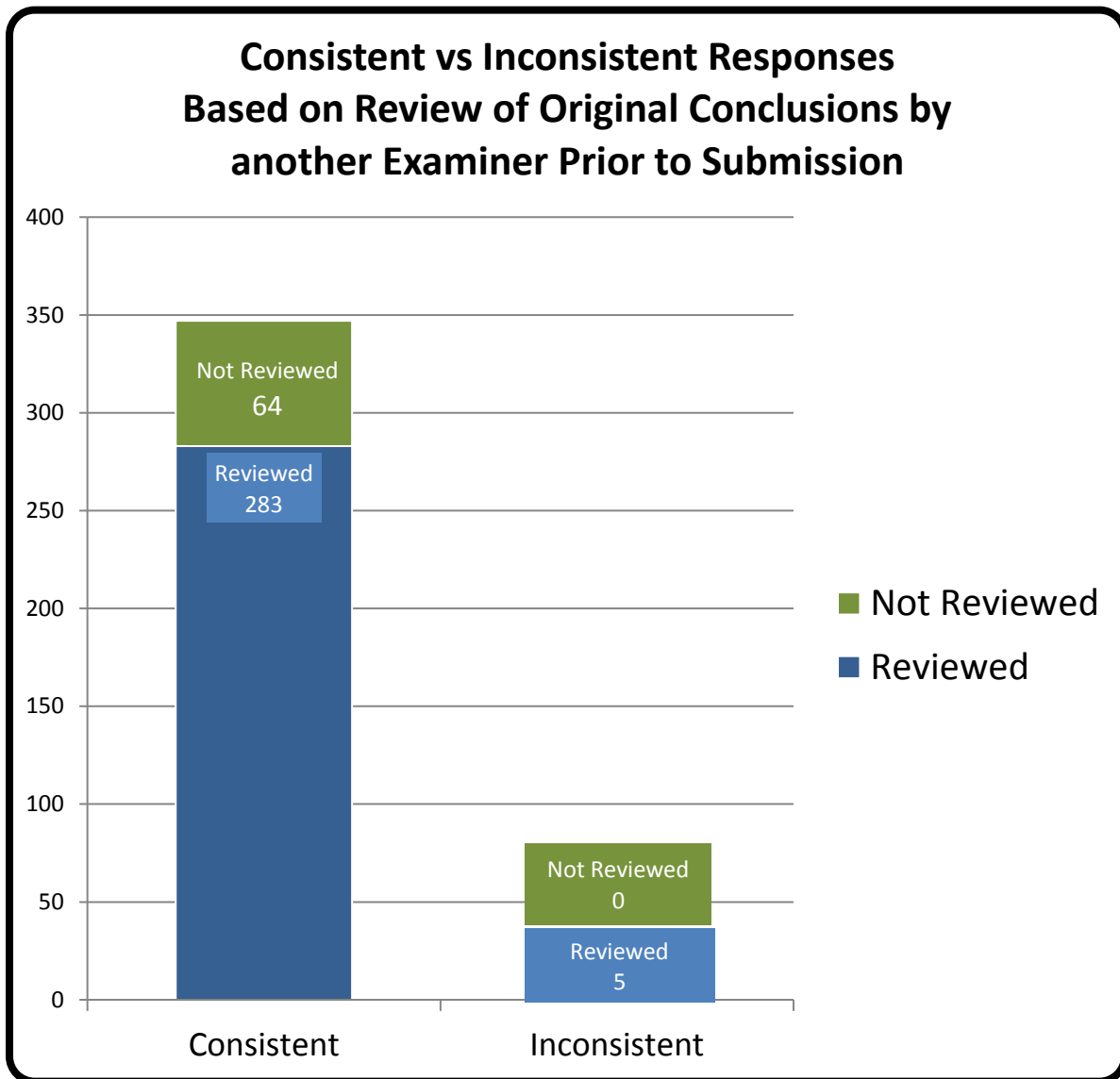
### Consistent vs Inconsistent Responses Based on Highest Level of Education Completed



\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

\*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

## Appendix 11



\*Numerical values shown are based on **88 participant submissions** equaling **352 total responses**.

\*For further information, please read *Manufacturer's Additional Observations* on the final page of this report.

## Appendix 12

### Participant Responses Listed by Test Code

Item #	Item #1	Item #2	Item #3	Item #4	
<b>Assigned Values</b>	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed	
<b>Test Code</b>	1236V19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed
	1245G19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed
	1415U19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed
	1651T19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed
	1669P19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed
	1857P19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed
	1961H19501	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was Not</u> Developed	Friction Ridge Detail <u>Was</u> Developed	Friction Ridge Detail <u>Was</u> Developed

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
<b>TEST CODE</b>	2013J19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2290G19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2391N19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2453X19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2541B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2563H19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2652O19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2752Q19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	2840U19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	2931J19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3020T19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3080E19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3121B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3144B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3199R19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3208R19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3271P19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3297B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	3334Y19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3358P19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3394W19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3479C19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3704L19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3705H19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	3938G19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4132K19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4305P19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	4324M19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4401Y19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	444G19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4476Y19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4739V19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4951G19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	4951H19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	496H19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	5035D19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	5129J19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	515R19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	5370K19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	5437O19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	5515L19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	5802B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	5910C19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6018L19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6253B19501	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>



Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	6497B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6564S19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6640P19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6685G19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6696C19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	6994Y19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	7045U19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	7535A19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	7594F19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	770I19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	7856A19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	7962W19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8142Q19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8201C19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	825L19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	826Y19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8511I19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8574E19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
TEST CODE	8640I19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8660B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8692K19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	8771I19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9049W19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9080O19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9085X19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9154C19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9241V19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

Assigned Values		Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
<b>TEST CODE</b>	9248C19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9310N19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	939B19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9473G19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9555W19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9663S19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	96L19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>
	9908N19501	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Not Developed</u>	Friction Ridge Detail <u>Was Developed</u>	Friction Ridge Detail <u>Was Developed</u>

## Totals

Item #	Item #1	Item #2	Item #3	Item #4
<b>Assigned Values</b>	<b>Friction Ridge Detail <u>Was Not</u> Developed</b>	<b>Friction Ridge Detail <u>Was Not</u> Developed</b>	<b>Friction Ridge Detail <u>Was</u> Developed</b>	<b>Friction Ridge Detail <u>Was</u> Developed</b>
<b>Consistent Responses</b>	<b>87</b>	<b>86</b>	<b>86</b>	<b>88</b>
<b>Inconsistent Responses</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>Percentage of Consistent Reponses</b>	<b>99%</b>	<b>98%</b>	<b>98%</b>	<b>100%</b>

## Participant's Additional Comments

Test ID	Comments
1236V19501	The CSI unit only use powder volcano black and magnetic black to process de latent print in surfaces. The use of other reagent to development of latent prints is job of lofoscopia unit. In order of that procedure only two firction ridge was developed, in item 3 was developed 1 latent print and in item 4 was developed 1 latent print. (La unidad CSI solo utiliza polvo volcán negro y negro magnético para procesar impresiones latentes en superficies. El uso de otro reactivo para el desarrollo de impresiones latentes es trabajo de la unidad de lofoscopia. En el orden de dicho procedimiento, solo se desarrollaron dos impresiones latentes, en el artículo 3 se desarrolló 1 impresión latente y en el artículo 4 se desarrolló 1 impresión latente.)
1245G19501	Once the reagents were applied in Items 1, 2 3 and 4, after positive control, the presence of friction ridges was reaffirmed only in Items 3 and 4.
1669P19501	SE COLOCARON LOS INDICIOS 1,2,3 Y 4 AL INTERIOR DE UNA CÁMARA DE CIANOACRILATO PARA QUE ESTUVIERAN EXPUESTOS A VAPORES DE CIANOACRILATO, POSTERIORMENTE SE DEJARON SECAR Y SE APLICÓ REACTIVO FÍSICO SILK BLACK PARA REVELAR LOS FRAGMENTOS LOFOSCOPICOS.
1961H19501	It was a test that challenges our abilities. Thanks.
2013J19501	Item's 1-2-4 were processed with ruvis, cyano, ALS and blk mag. Item 3 was processed with ruvis Item 4 was also lifted. Images taken with our system are extremely large. Original Tiff images had to be cropped and saved as photoshop to get them to load. Actual case work would probably prompt additional digital imaging.
2563H19501	It would be nice if we were able to upload a picture for each process we have put the item through. As we also have a superglue fluorescence for Ex3

2840U19501	Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We lift all ridge detail and submit our lifts directly to another agency within our same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of the developed ridge detail.
3020T19501	The latent prints revealed were placed in two lift backing cards and were remitted to the Lofoscopy Laboratory who is responsible for issuing the corresponding result
3080E19501	AL REVELAR LA HUELLA EN EL ITEM 3, SE OBSERVA SOLO LA SILUETA SIN PUNTOS SUSCEPTIBLES DE COTEJO
3199R19501	Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We submit our lifts directly to another agency of the same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of any developed ridge detail.
3358P19501	additional latent print recovered from Ex. 4, no area to upload photo
3394W19501	Item #1 Initial Daylight and Fluorescent light examination followed by the Superglue fuming + Basic Yellow Dye-Stain process and 'blue' fluorescent light examination – result No Friction Ridge Detail disclosed. Item #2 Initial Daylight and Fluorescent light examination followed by the Superglue fuming + Basic Yellow Dye-Stain process and 'blue' fluorescent light examination – result No Friction Ridge Detail disclosed. Item #3 Initial Daylight examination produced impression marked # 19501# 3A Day. Fluorescent light examination revealed no further impressions or improvement on impression marked # 19501# 3A Day. Item #3 then subjected to the Superglue fuming + Basic Yellow Dye-Stain process and 'blue' fluorescent light examination – result # 19501# 3A SG. Photograph # 19501# 3A Day submitted. Item #4 Initial Daylight examination produced impression marked # 19501# 4B Day. Fluorescent light examination revealed no further impressions or improvement on impression marked # 19501# 4B Day. Item #3 then subjected to the Superglue fuming + Basic Yellow Dye-Stain process and 'blue' fluorescent light examination – result # 19501# 4B SG. Photographs# 19501# 4B Day & # 19501# 4B SG submitted.
4951H19501	Process 1: All items were subjected to pre-treat examination with white light & high intensity light sources. Items 1 & 2 did not show any marks at the pre-treatment stage. Items 3 & 4 both showed friction ridge detail. These marks were captured. Process 2: All items were then subjected to Superglue Fuming (SG). Items 1 & 2 did not develop any marks at the SG stage. Items 3 & 4 both showed friction ridge detail. These marks were captured. All items were then subjected to florescent dye BY40 with the exception of the lid from item 4. The lid was dyed with BR14 for contrast reasons. Items 1 & 2 did not develop any marks at the dye stage. Items 3 & 4 both showed friction ridge detail. These marks were captured. The mark on item 3 was improved with BY40 & this is the mark being sent. The mark on item 4 did not improved with BY40 & so the SG image is being sent. Process 3: Items 1 & 2 were cut open & the inside treated with Iron based Black Powder Suspension. No marks were developed.
496H19501	Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We lift all ridge detail and submit our lifts directly to another agency within our same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of the developed ridge detail.

5437O19501	This examination was conducted as a proficiency test for CRIME SCENE. Therefore, only equipment available on-scene was used to develop and capture latent prints on received items. If these types of items were encountered at a true crime scene, they would not be processed on scene, but collected for processing by a forensic latent print processing technician. For #4, Friction ridge detail was also captured using a hinge lifter, due to the curved surface of the item received.
6497B19501	Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We lift all ridge detail and submit our lifts directly to another agency within our same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of the developed ridge detail.
6640P19501	In order to accomplish the proficiency test, we have created the case file which contains the chain of custody, our own work sheets and the report and photographs. In case that you want to verify any of the documents or photographs, please let us know to upload the one you need.
7045U19501	Latent prints were developed for Item #3 and Item #4 after processing with cyanoacrylate and powder. No photo was taken at that time. Lifts do not show clear detail.
8142Q19501	Ridges were noted on the razor blade (Ex. 3) prior to processing that were insufficient for identification, therefore no photo was taken. Through processing, ridge development did not improve. After processing, realized this proficiency test needed a photo of any ridge detail. Took photo with ALS development.
825L19501	Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We lift all ridge detail and submit our lifts directly to another agency within our same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of the developed ridge detail.
826Y19501	EXAMPLE 3 CORRESPONDS TO AN INDICATION OF MICROSCOPIC ORIGIN WITH FEW CRACKS AND CHARACTERISTIC POINTS THAT DO NOT ALLOW ITS CLASSIFICATION. IN EXAMPLE 4, PRESENT CRISTAL LINES THAT ALLOW THEIR CLASSIFICATION
8660B19501	The finger print in the 3 item was of low quality
8692K19501	THE ITEM # 4 AT THE TIME OF OPENING IT WAS SEPARATED FROM THE PLASTIC CINCH WHICH SUBJECTED IT
9049W19501	Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We lift all ridge detail and submit our lifts directly to another agency within our same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of the developed ridge detail.
9080O19501	Only partial ridge detail was developed on item #3.
9085X19501	When processing Exhibit 3 (razor blade) and Exhibit 4 (pill bottle), the ridge detail on these was obvious, as fingerprints and other areas of clear ridge detail were developed. I struggled making a decision on Exhibits 1 and 2 (plastic bags) - when compared to Exhibits 3 and 4 - because the results weren't obvious. I believe small, fragmentary areas of ridge detail were developed on the bags which were not of value. In normal casework I would say ridge detail was present but not of value for comparison. At this point I felt I had to make an assumption as to the intent of the test. Although I did photograph these areas of apparent ridge detail I chose

	<p>"No ridge detail developed" as I believe the intent of the test is to not be overly complicated. I think being limited to "No ridge detail developed" and "Ridge detail developed" forces the test taker to make a decision which could hurt their results. If a processing proficiency test is offered, you need to either make sure there is no way for ambiguous results to be reached or provide more result options.</p> <p>My work was "reviewed" inasmuch as to get another examiner's opinion as to whether the ridge detail I developed on Exhibits 1 and 2 constituted ridge detail in what we believe the spirit of the test to be.</p>
9154C19501	<p>white light inspection, with or without colour filters and cyanoacrylate process were applied on all items. For item 3, the best result is white light inspection.</p> <p>for item 4, the best result is white light inspection with red filter</p>
9241V19501	<p>The latent prints recollected from the item #3 and #4 were not discarded since these are remitted to the Lofoscopy Laboratory where they determine whether or not it is suitable for comparison.</p>
9473G19501	<p>Our agency does not require Investigators to take photographs of the developed ridge detail unless they deem it necessary. We lift all ridge detail and submit our lifts directly to another agency within our same parent organization for comparison. Since the results entry requires JPEG upload, some of the attached images may be of the item only and not of the developed ridge detail.</p>
9663S19501	<p>Through this portal I do not have the option of uploading a 2nd photo for Ex. 3.</p>

## Manufacturer's Additional Observations

Based upon a review of the submitted responses, the following observations were noted:

1. There were only three instances where "Friction Ridge Detail Was Developed" when the expected answer was "Friction Ridge Detail Was Not Developed". It is specifically for this reason that we require photographs of the friction ridge detail.
2. There were only two instances where "Friction Ridge Detail Was Not Developed" when the expected answer was "Friction Ridge Detail Was Developed".
3. The total number of inconsistent responses was five (5) for five (5) different individuals and they did show some patterns; 1) all 5 inconsistencies were reviewed before submitting, 2) 3 of the 5 inconsistencies had less than 40hrs training in latent print processing, 3) 4 of the 5 inconsistencies process less than 25% of the time, 4) 4 of the 5 inconsistencies were crime scene investigators, and 5) all 5 inconsistencies were non certified.

**Authorized by:** Ron Smith, President

**Date of Issue:** April 29, 2019