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Summary Report

Spring 2017 Latent Comparison Print Proficiency Test #17101

Issued: May 12, 2017

On February 1, 2017, Ron Smith and Associates, Inc. (RS&A) shipped the Spring 2017 Latent Print Comparison Proficiency Test #17101. Participants were required to submit their responses no later than April 4, 2017 in order for them to be included in this summary report.

A total of 64 tests were ordered and distributed, with 55 participants returning their responses. The test was provided in both digital and/or hard copy format and included ten latent prints and four sets of known fingerprints and palm prints.

The results presented in this report reflect whether or not the participants' submitted results are consistent or inconsistent 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 #17101 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 to be either "Identification" or "Exclusion"; however, we are aware that some agencies allow for a conclusion of "Inconclusive" in their casework. In designing this Proficiency Test, there was no intention to force a participant to render a conclusion which goes beyond their considered opinion. To satisfy this option, participants were allowed to enter "Inconclusive" as a response. Due to the fact that a participant's "Inconclusive" response does not meet the assigned values, it will appear as an inconsistent response in the summary report and be incorporated as such in the statistical analysis. It will be up to each agency to decide if the participant's "Inconclusive" response qualifies as being acceptable under their policies and procedures.

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 Proficiency Test Coordinator at testing@ronsmithandassociates.com or call toll free at 1-866-832-6772.

Appendix 1

Test Manufacturer's Information

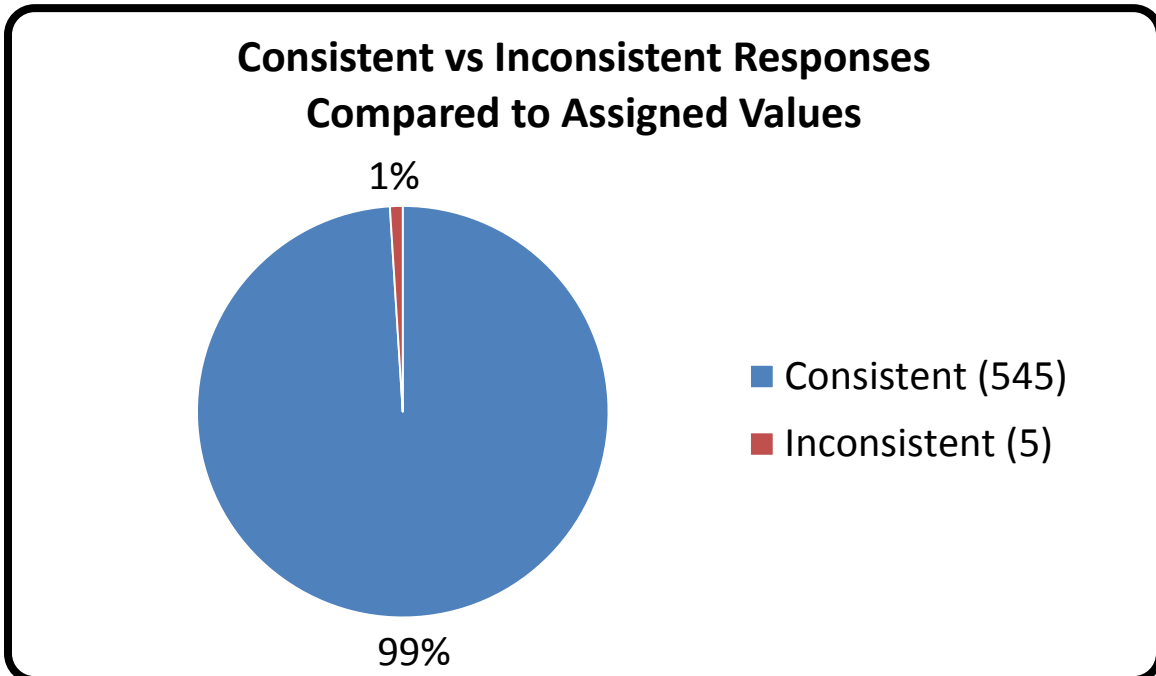
Spring 2017 Latent Print Comparison Proficiency Test #17101

The assigned values are:

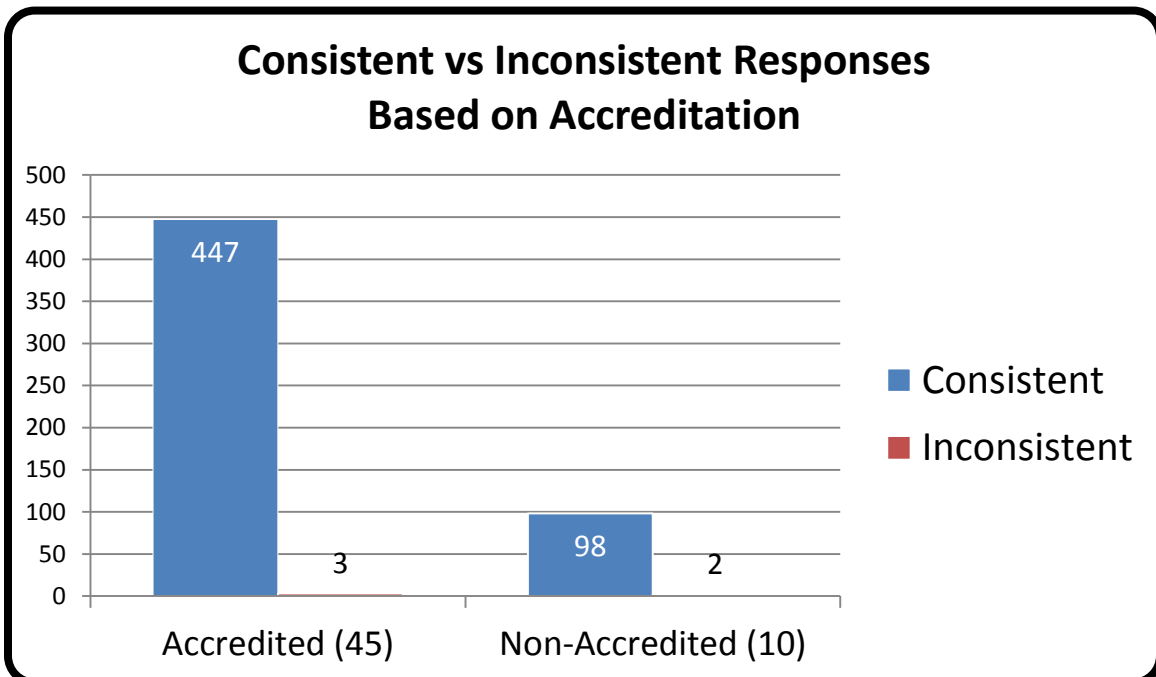
Latent Print Number	Conclusion	Subject Number	Specific Finger or Palm
L-1	Identification	K-2	Right Palm
L-2	Exclusion		
L-3	Exclusion		
L-4	Identification	K-2	Right Thumb
L-5	Identification	K-1	Right Thumb
L-6	Exclusion		
L-7	Identification	K-4	Right Thumb
L-8	Exclusion		
L-9	Identification	K-2	Right Palm
L-10	Identification	K-1	Right Palm

The test consisted of ten latent prints and four sets of known finger and palm prints in hard copy photograph and/or digital image formats. The assigned values were determined through the ground truth information and verified through unanimous agreement during pre-distribution testing.

Appendix 2

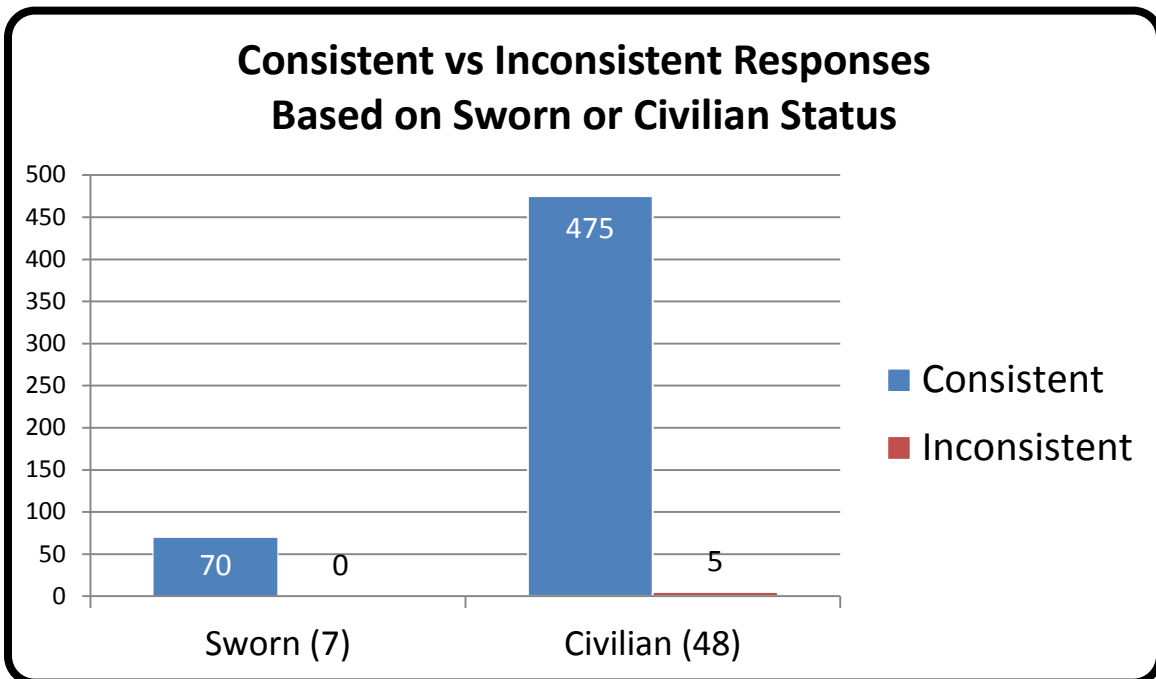


Appendix 3

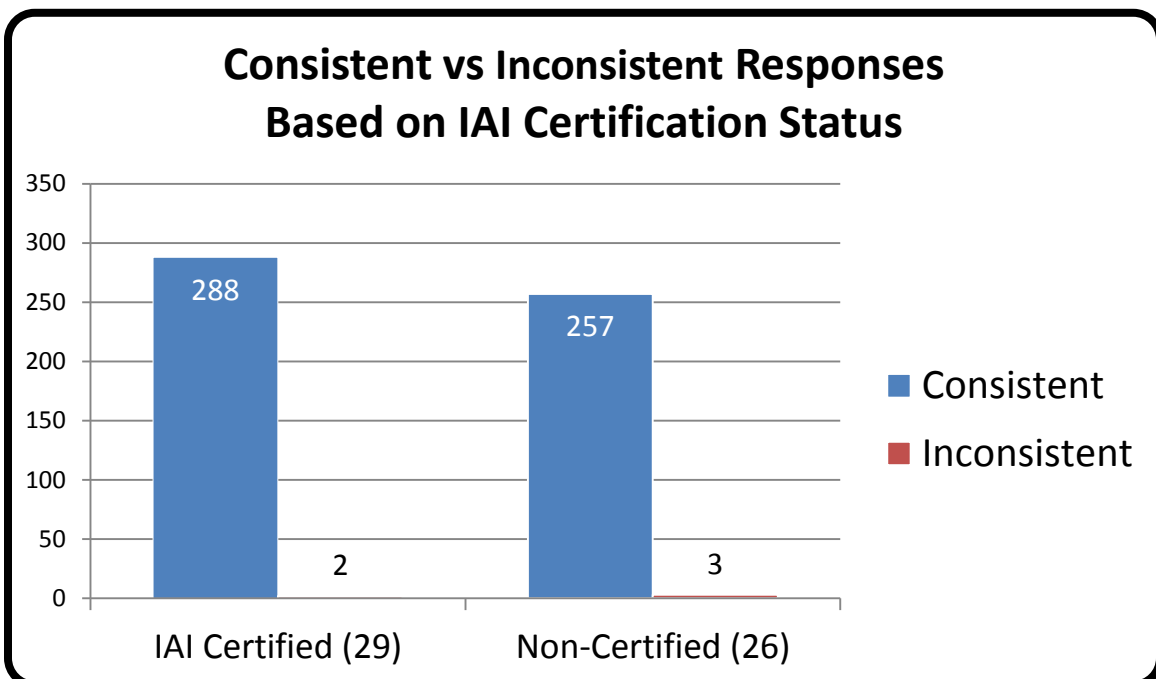


*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

Appendix 4



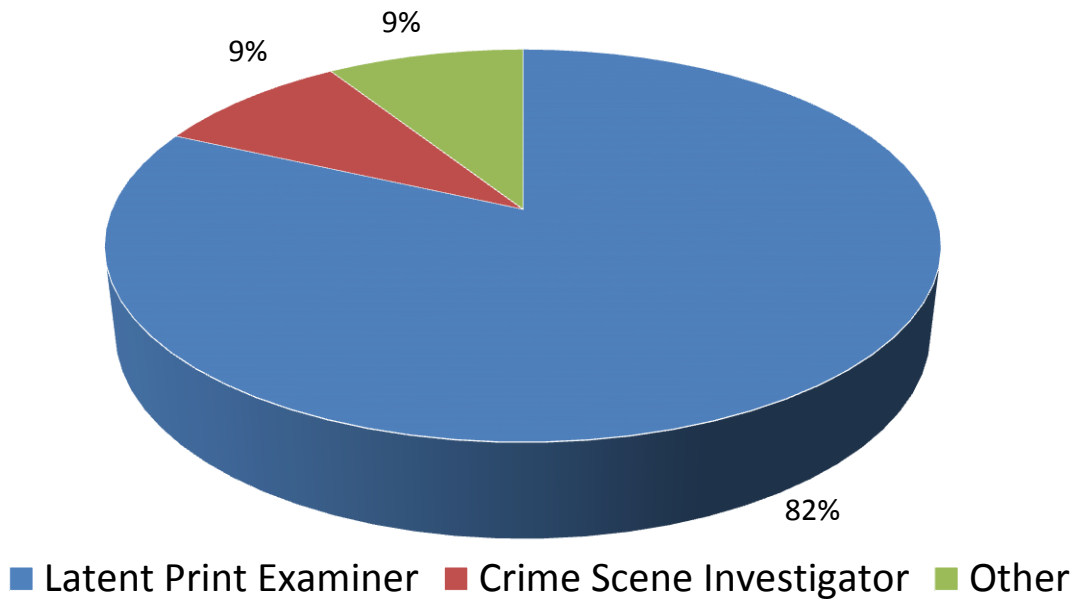
Appendix 5



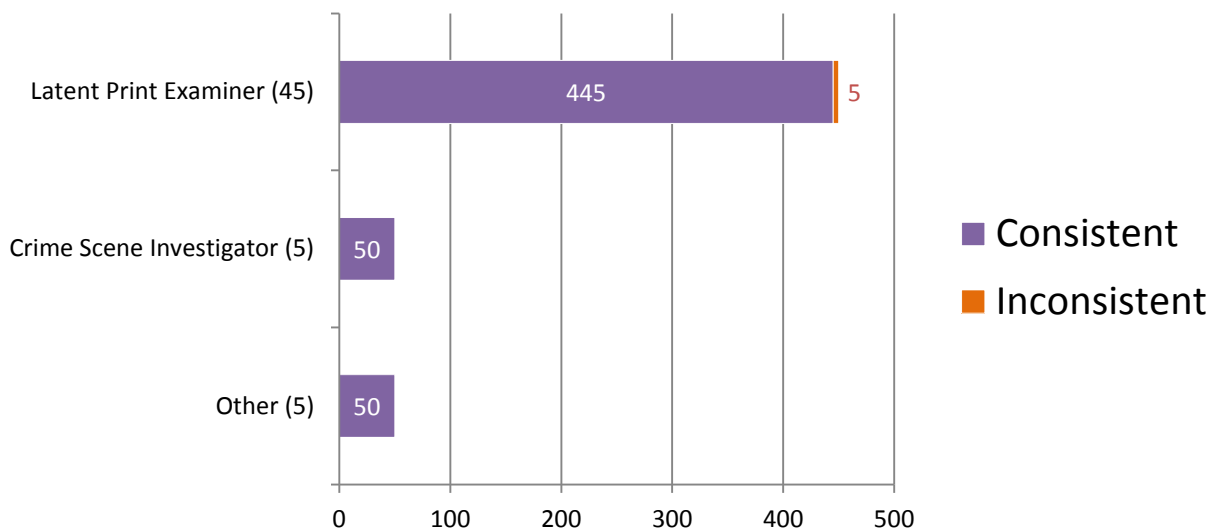
*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

Appendix 6

Percentage of Participants Based on Primary Job Position



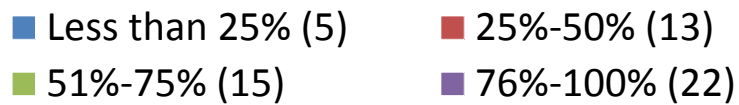
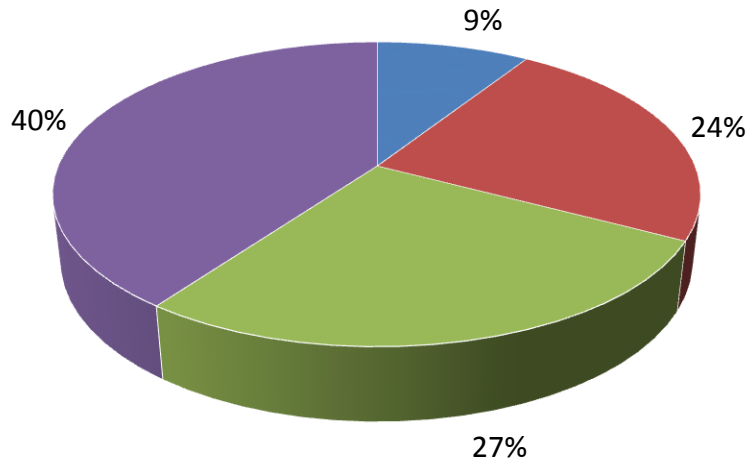
Consistent vs Inconsistent Responses Based on Primary Job Position



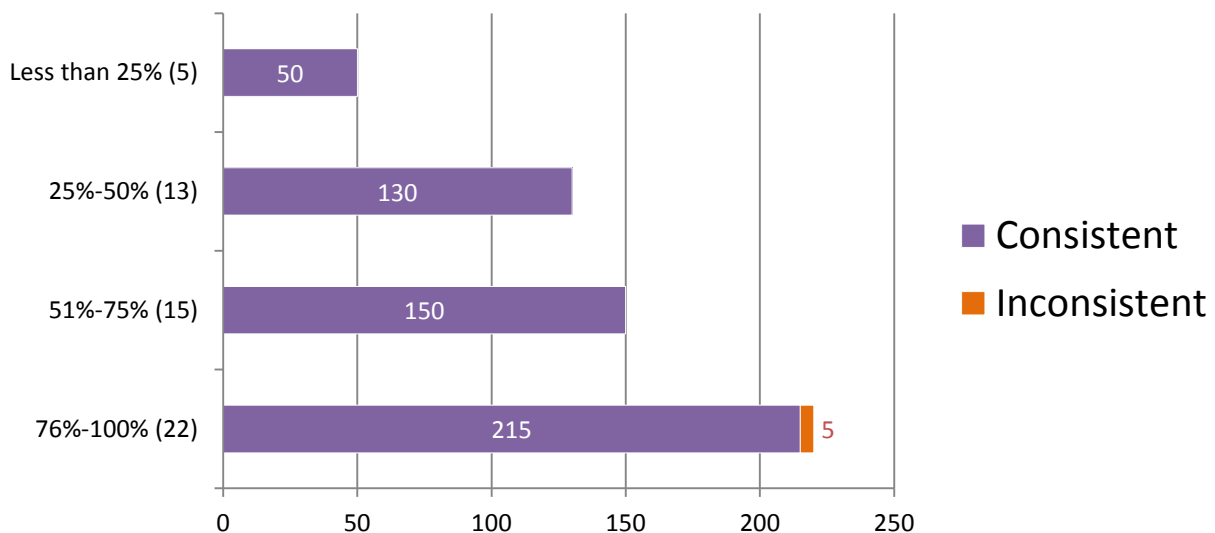
*For further information, please read *Manufacturer's Additional Observations* on the final page of this report.

Appendix 7

Percentage of Participants Based on Time Devoted to Latent Print Casework



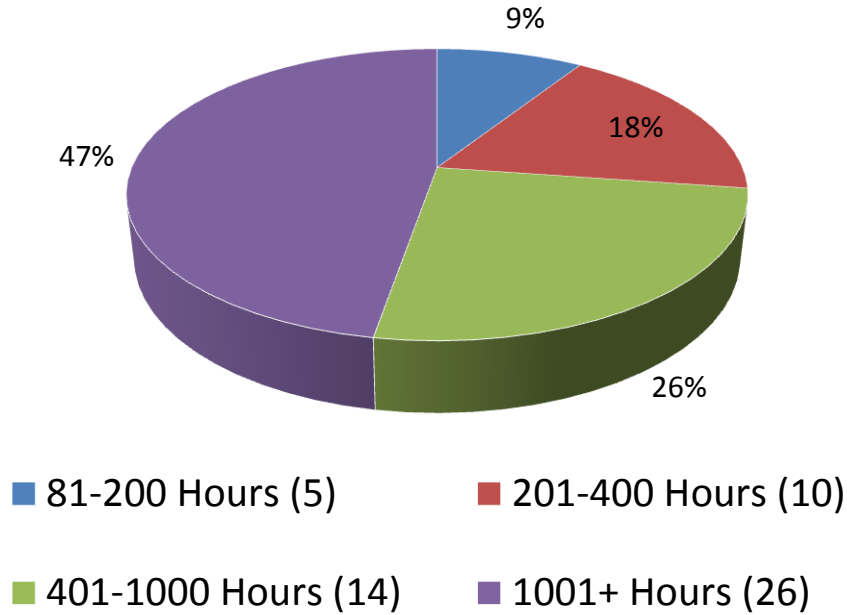
Consistent vs Inconsistent Responses Based on Time Devoted to Latent Print Casework



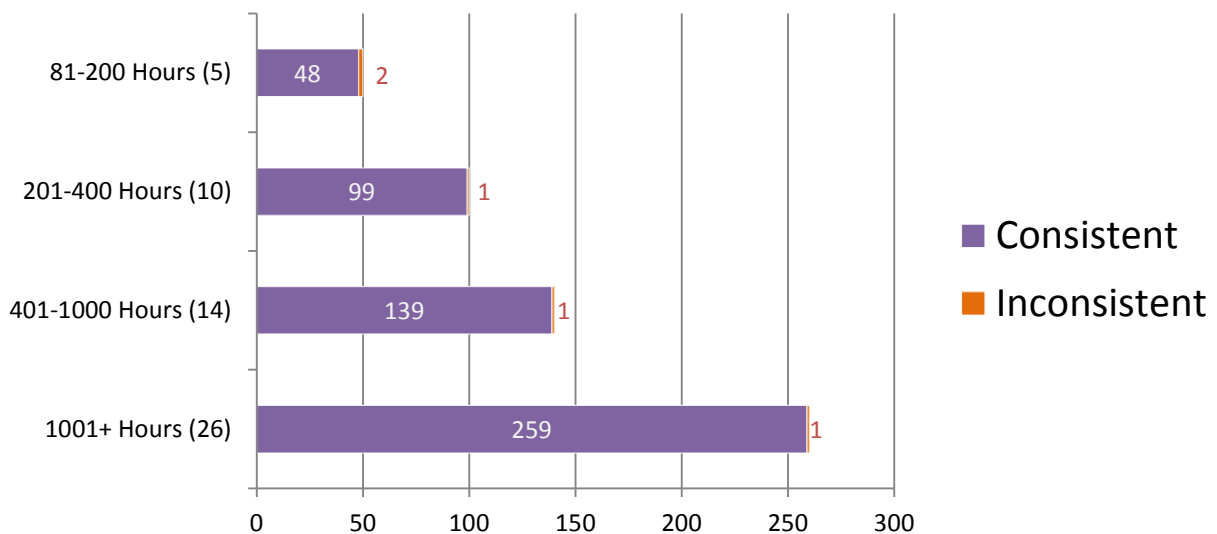
*For further information, please read *Manufacturer's Additional Observations* on the final page of this report.

Appendix 8

Percentage of Participants Based on Hours of Latent Print Training Completed



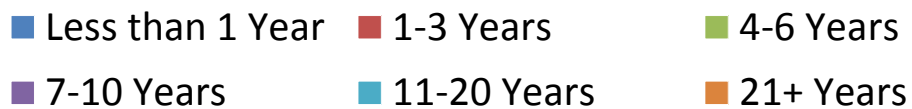
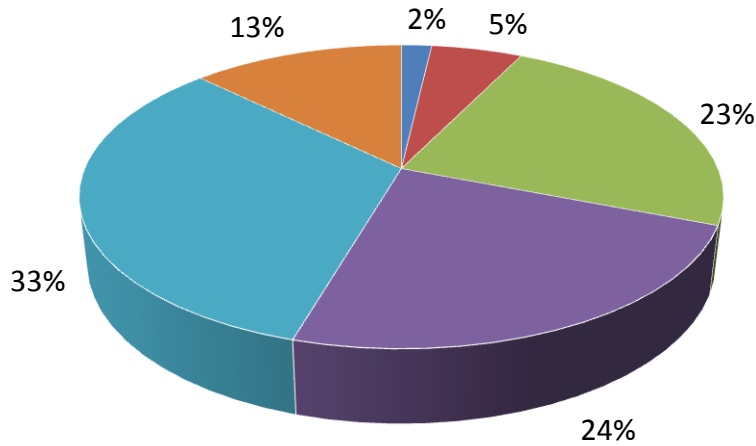
Consistent vs Inconsistent Responses Based on Hours of Latent Print Training Completed



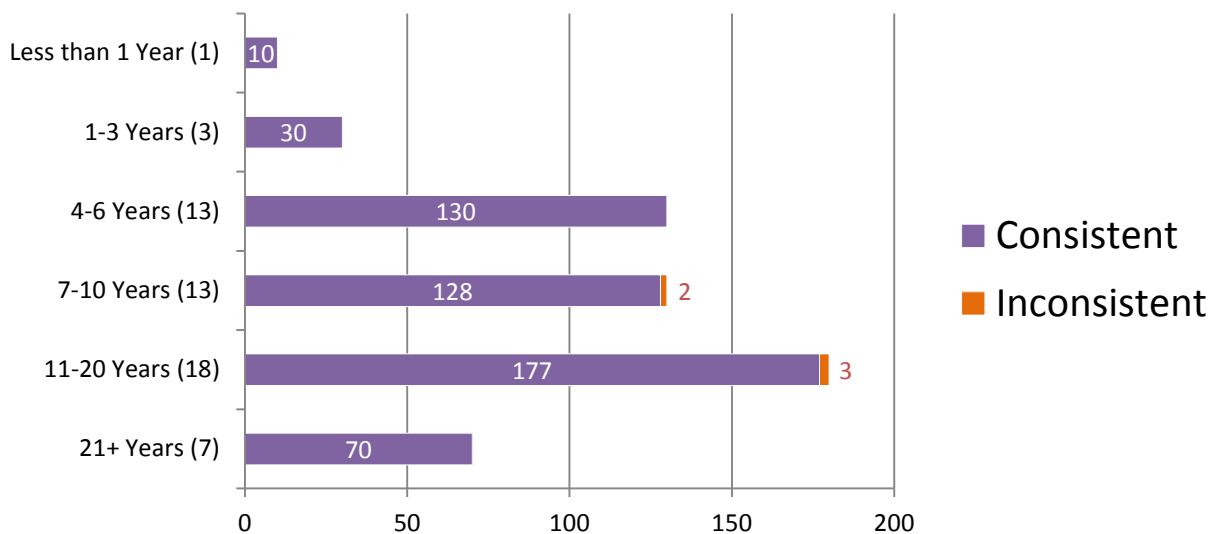
*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

Appendix 9

Percentage of Participants Based on Years of Experience in Latent Prints



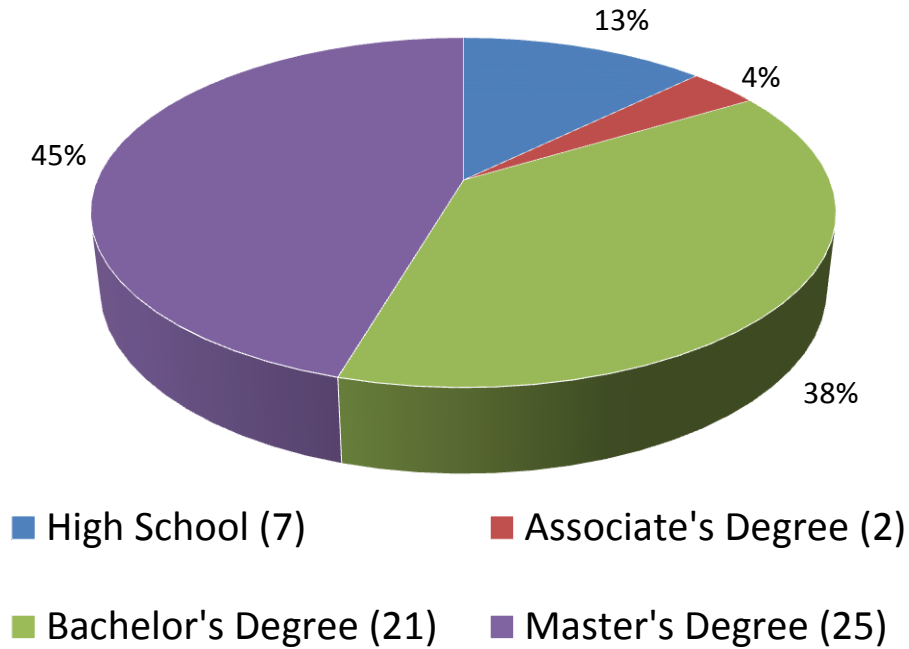
Consistent vs Inconsistent Responses Based on Years of Experience in Latent Prints



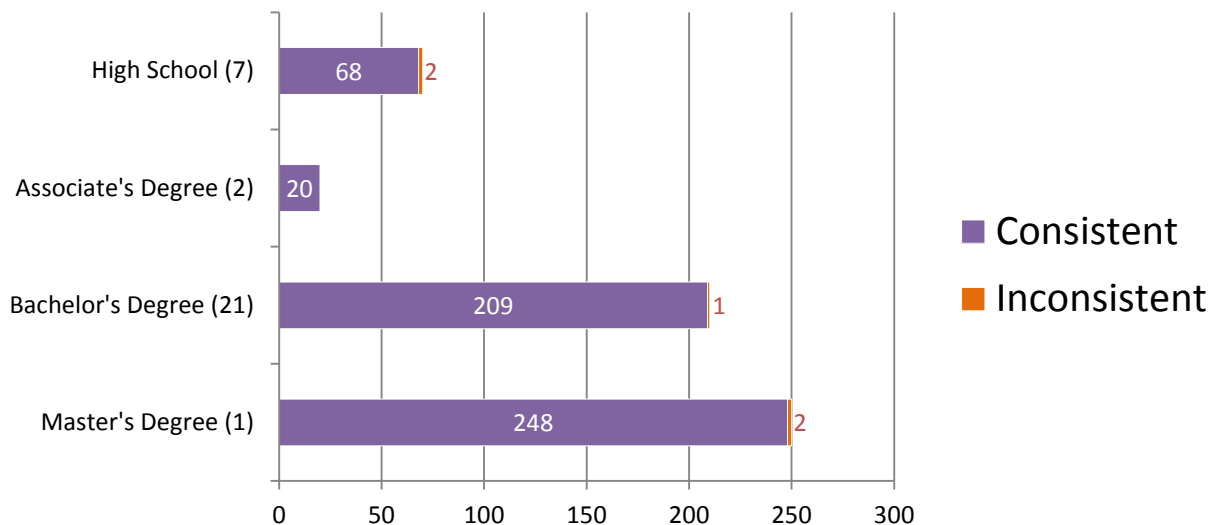
*For further information, please read ***Manufacturer's Additional Observations*** on the final page of this report.

Appendix 10

Percentage of Participants Based on Highest Level of Education Completed

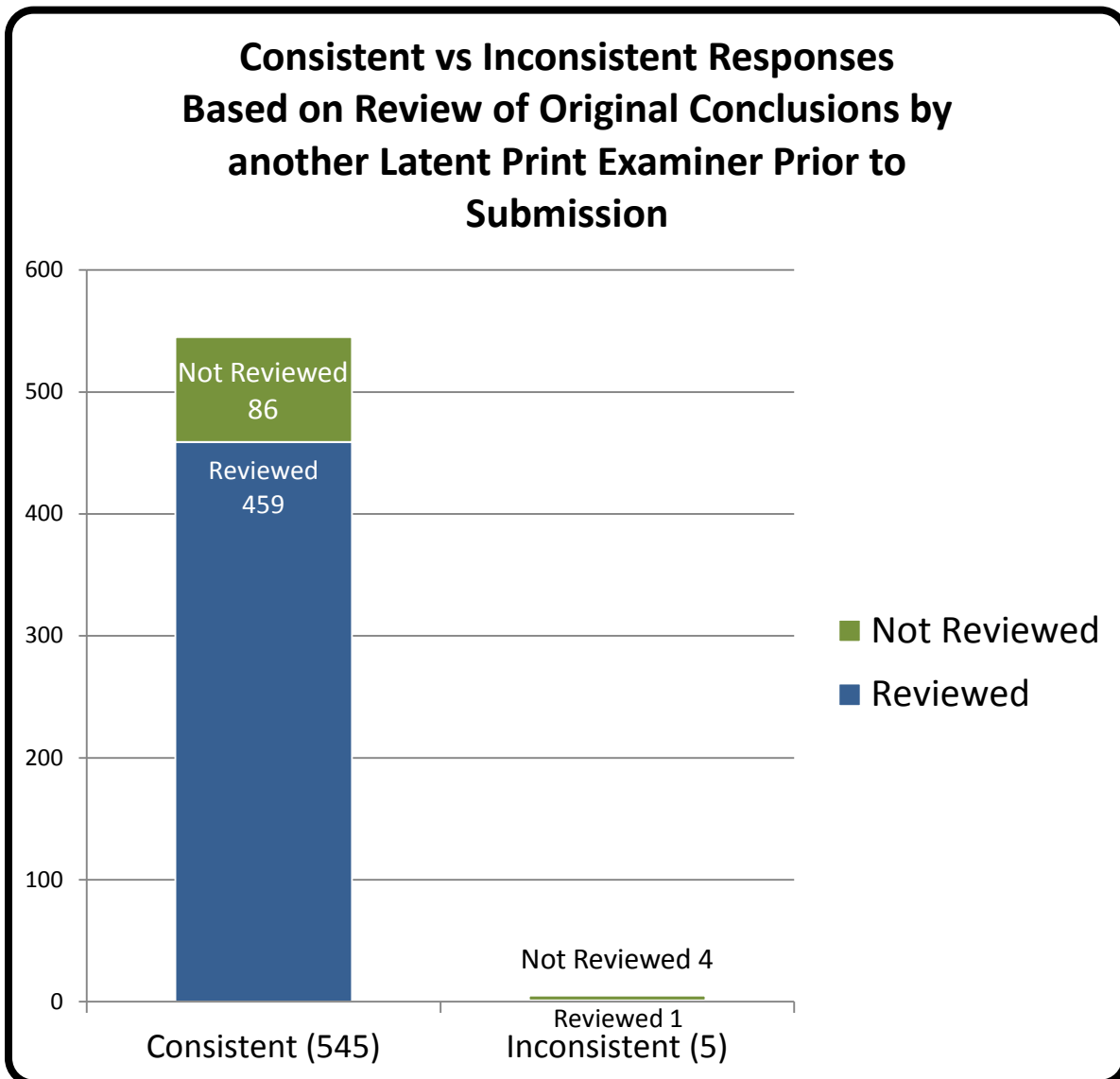


Consistent vs Inconsistent Responses Based on Highest Level of Education Completed



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

Appendix 11



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

Appendix 12

Participant Responses Listed by Test Code

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1181R17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1343K17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	EXC	ID K-1 RP
1572X17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1662K17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1854G17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1857J17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1867K17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1974Q17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1987W17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
1991V17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2040W17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2054I17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2149W17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2178Y17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP

Test Code

Appendix 12 (Continued)

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2187Y17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2275D17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2396T17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
2400G17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
3121F17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
3260U17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
3461B17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
3511G17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
3618T17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
373N17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
4038P17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
411H17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5108T17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5208V17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP

Test Code

Appendix 12 (Continued)

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5235K17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5336Q17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5453T17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5511Y17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5593K17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
5832L17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
6042T17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
6145X17101	ID K-2 RP	EXC	EXC	EXC	ID K-1 RT	INC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
6224J17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
6461Y17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
6623U17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
663L17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
6807A17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
7295O17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP

Test Code

Appendix 12 (Continued)

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
7688B17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
7832H17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
7870Q17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	EXC	ID K-1 RP
8244J17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
8409B17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
8901E17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
8928S17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
8956M17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
8970U17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
967S17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	EXC	ID K-1 RP
9804O17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
9967G17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
9979C17101	ID K-2 RP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP

Test Code

Totals

Latent Print #	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10
Assigned Values	ID K-2 LP	EXC	EXC	ID K-2 RT	ID K-1 RT	EXC	ID K-4 RT	EXC	ID K-2 RP	ID K-1 RP
Consistent Responses	55	55	55	54	55	54	55	55	52	55
Inconsistent Responses	0	0	0	1	0	1	0	0	3	0
Percentage of Consistent Responses	100%	100%	100%	99%	100%	99%	100%	100%	95%	100%

Participant's Additional Comments

Test ID	Comments
1974Q17101	I appreciate the quality of the latent prints. Even though they have distortion consistent with what I see in case work, they do not appear to be altered in order to make them more challenging. Thank you.
5235K17101	If TIFF files of the images could be provided it would be useful as we cannot use JPEG images for comparison purposes.
5832L17101	L-2 = L6
6145X17101	Our agency does not yet use "exclusion" as a reported result. We use "Not Identified" We are reporting Exclusion and inconclusive on the proficiency test as a way to become more familiar with those conclusions for the future. But for grading purposes we will count exclusion and inconclusive as "not identified"
6224J17101	L-8: the supposed scaled images were not scaled properly
6623U17101	The printed photograph for Latent L-8 is not sized correctly.
663L17101	L-2 and L-6 were made by the same finger.
7870Q17101	The quick brown fox jumped over the lazy dog.
8928S17101	L-2 and L-6 latent prints originate from the same finger.

Manufacturer's Additional Observations

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

1. Regardless of experience, training, certification, accreditation or employment status, no inconsistent identifications were submitted.
2. Of the 5 total inconsistent submissions, 1 (20%) of these involved an "inconclusive" decision in which "Exclusion" was the assigned value. The remaining 4 (80%) of the inconsistent submissions were "exclusion" decisions in which the assigned value was "identification".

Authorized by: Ron Smith, President
Ron Smith and Associates, Inc.
May 11, 2017

Date of Issue: May 12, 2017