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Summary Report

Fall 2017 Latent Comparison Print Proficiency Test #17102

Issued: July 31, 2017

On July 31, 2017, Ron Smith and Associates, Inc. (RS&A) shipped the Fall 2017 Latent Print Comparison Proficiency Test #17102. Participants were required to submit their responses no later than October 2, 2017 in order for them to be included in this summary report.

A total of 75 tests were ordered and shipped, with 65 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 #17102 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

Fall 2017 Latent Print Comparison Proficiency Test #17102

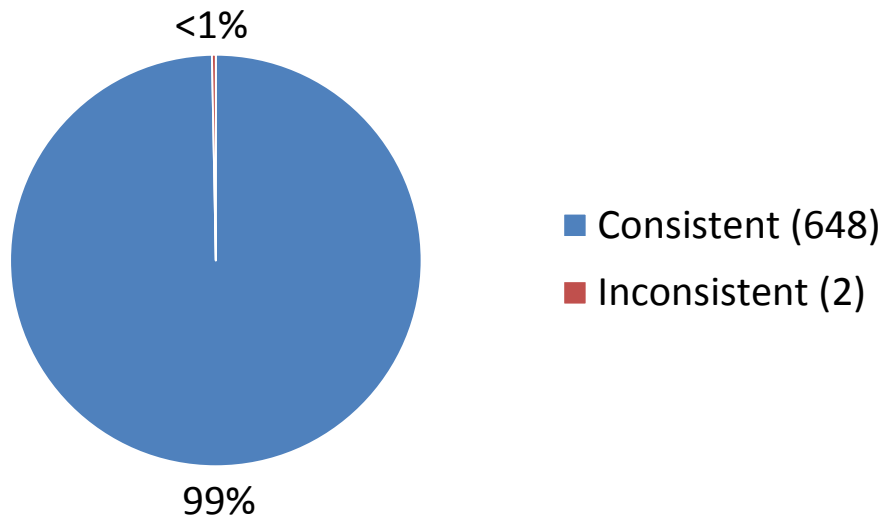
The assigned values are:

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

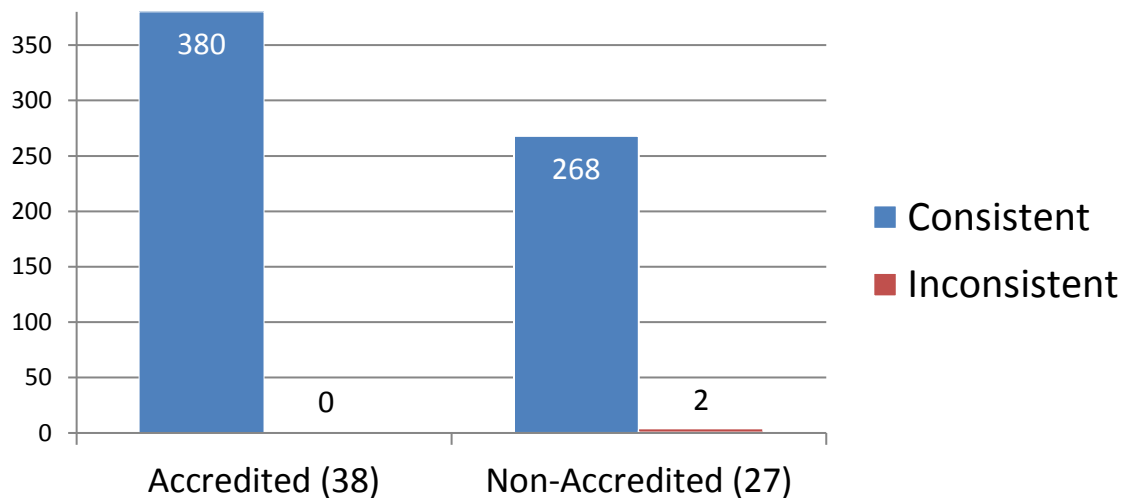
Appendix 2

Consistent vs Inconsistent Responses Compared to Assigned Values



Appendix 3

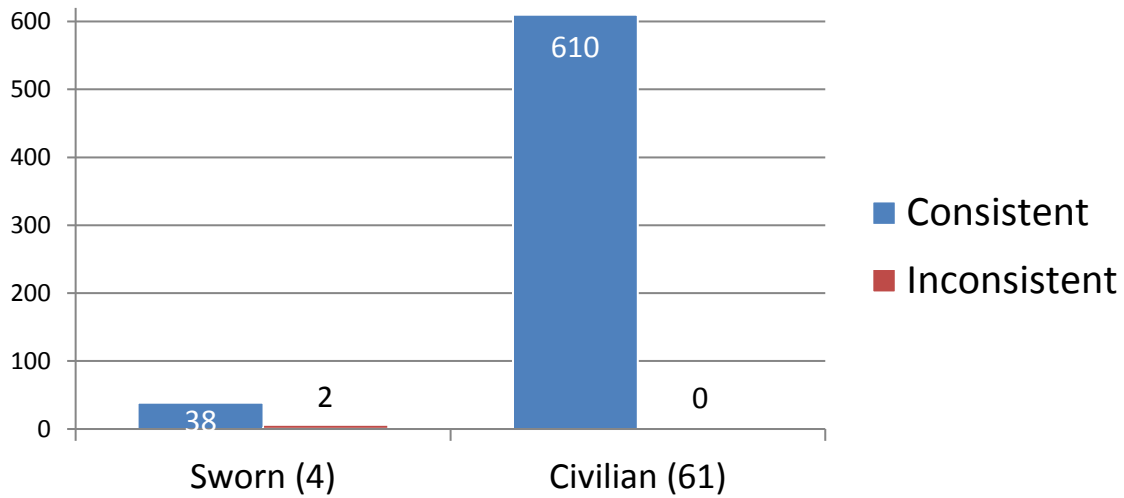
Consistent vs Inconsistent Responses Based on Accreditation



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

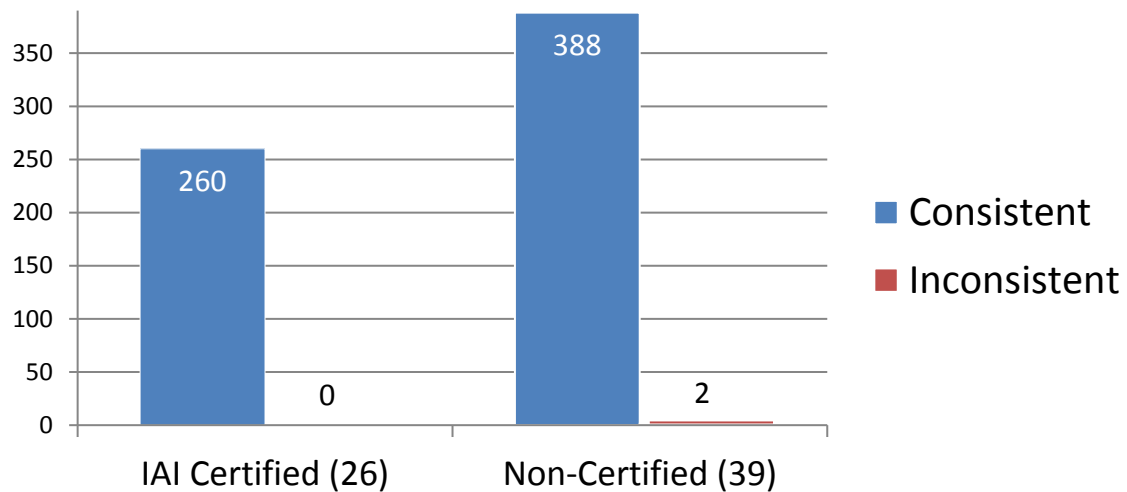
Appendix 4

Consistent vs Inconsistent Responses Based on Sworn or Civilian Status



Appendix 5

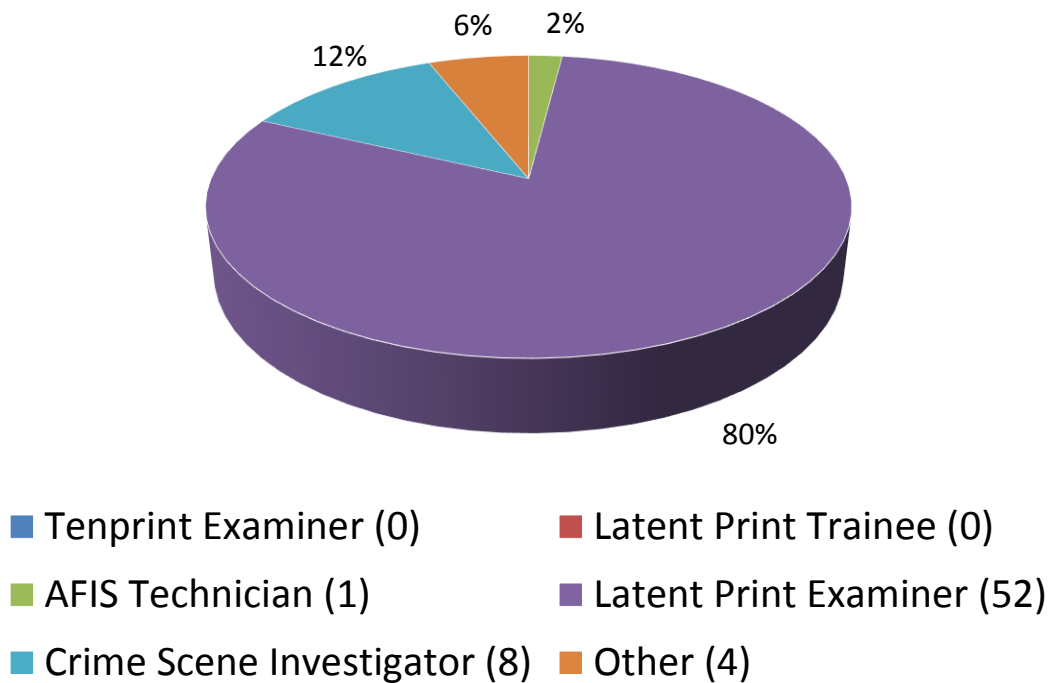
Consistent vs Inconsistent Responses Based on IAI Certification Status



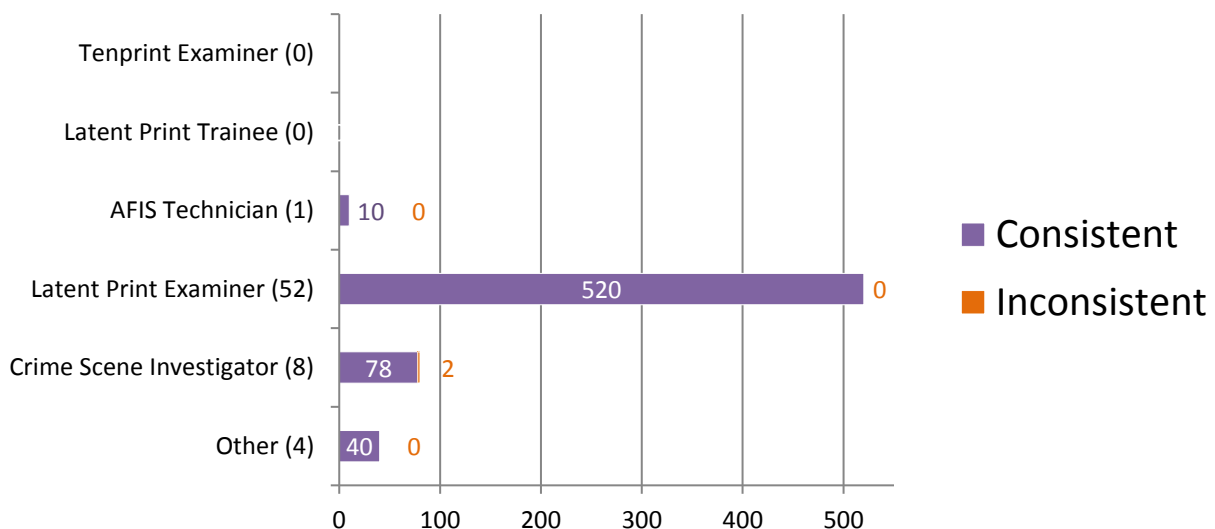
*For further information, please read ***Manufacturer's Additional Observations*** on the final page of this report.

Appendix 6

**Percentage of Participants
Based on Primary Job Position**



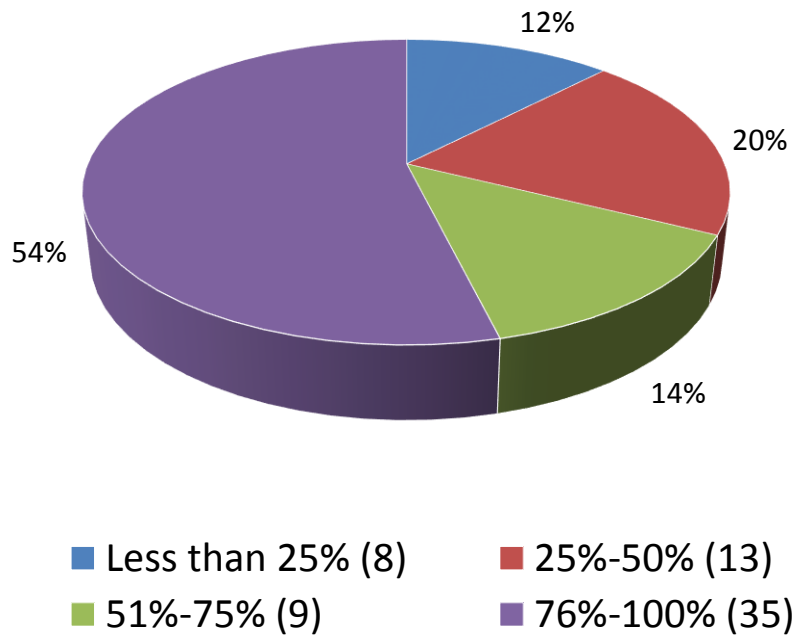
**Consistent vs Inconsistent Responses
Based on Primary Job Position**



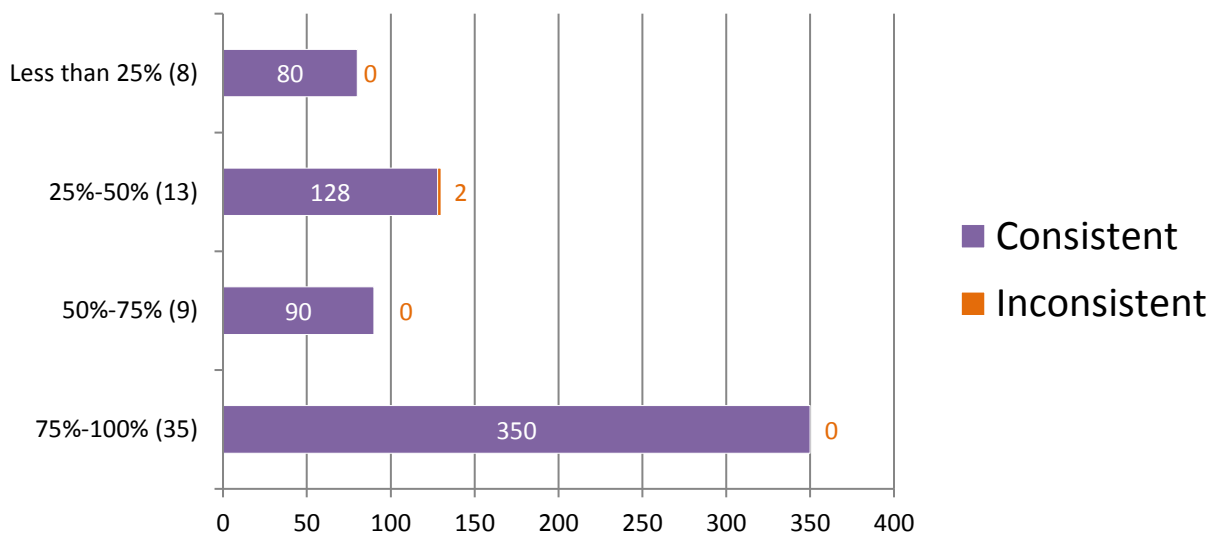
*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

Appendix 7

Percentage of Participants Based on Time Devoted to Latent Print Casework



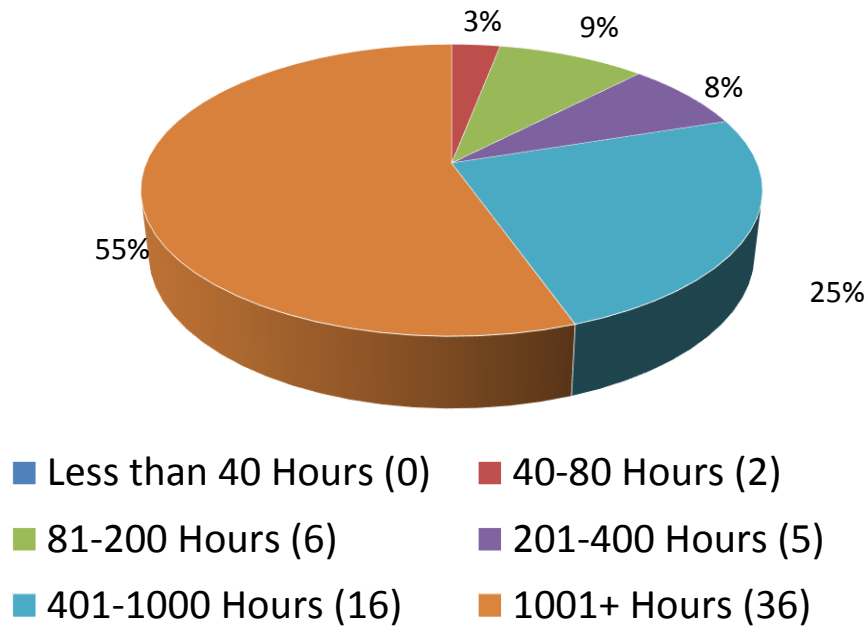
Consistent vs Inconsistent Responses Based on Time Devoted to Latent Print Casework



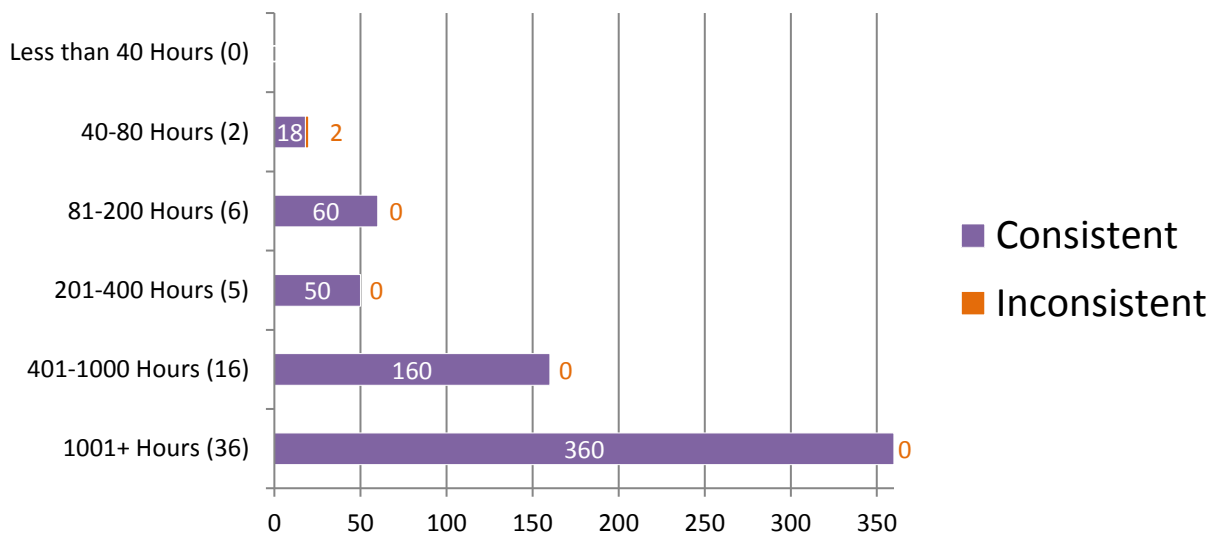
*For further information, please read ***Manufacturer's Additional Observations*** on the final page of this report.

Appendix 8

Percentage of Participants Based on Hours of Latent Print Training Completed



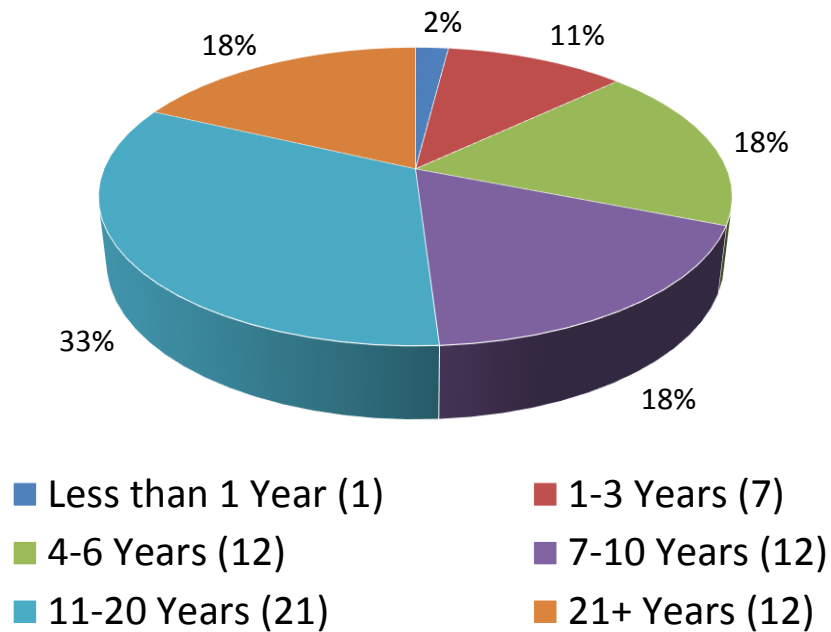
Consistent vs Inconsistent Responses Based on Hours of Latent Print Training Completed



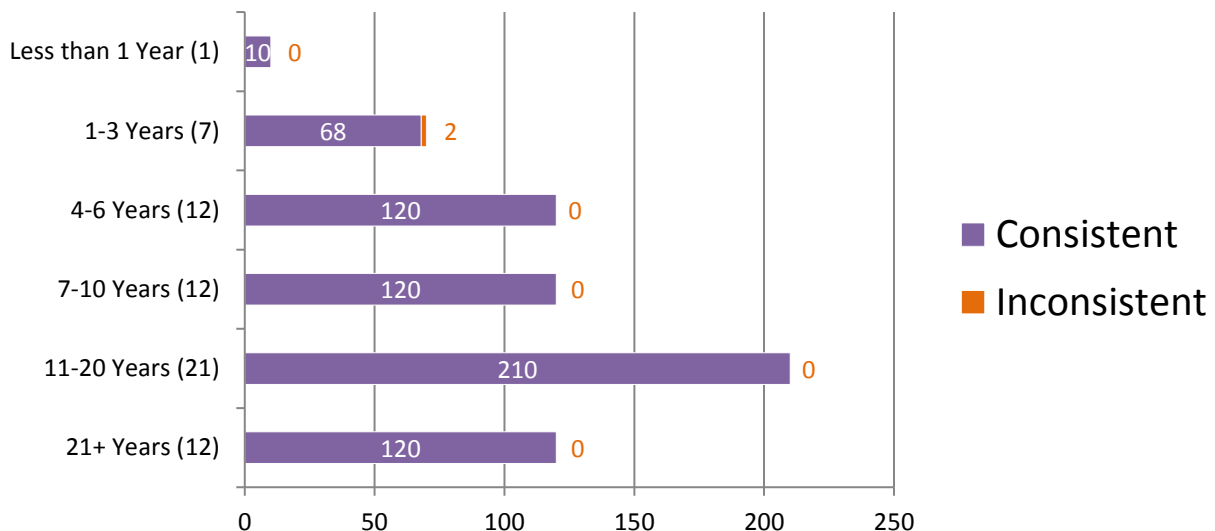
*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

Appendix 9

Percentage of Participants Based on Years of Experience in Latent Prints



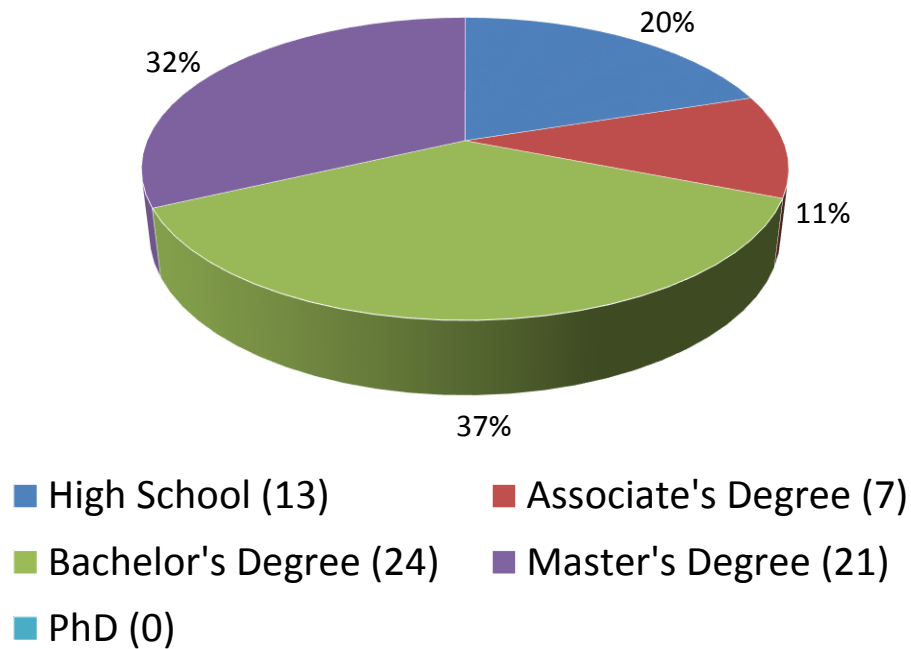
Consistent vs Inconsistent Responses Based on Years of Experience in Latent Prints



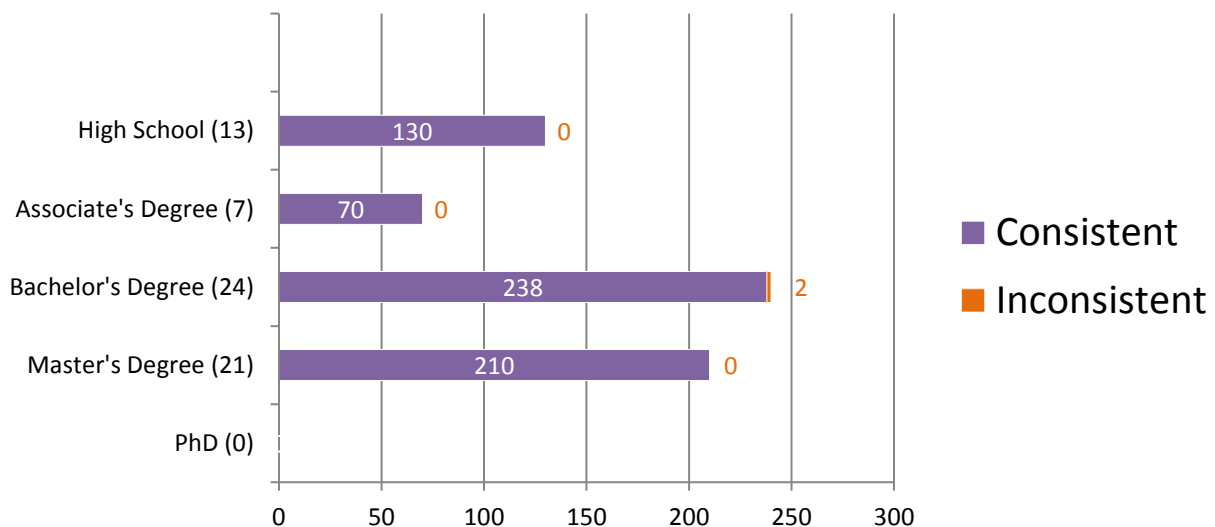
*For further information, please read **Manufacturer's Additional Observations** on the final page of this report.

Appendix 10

Percentage of Participants Based on Highest Level of Education Completed



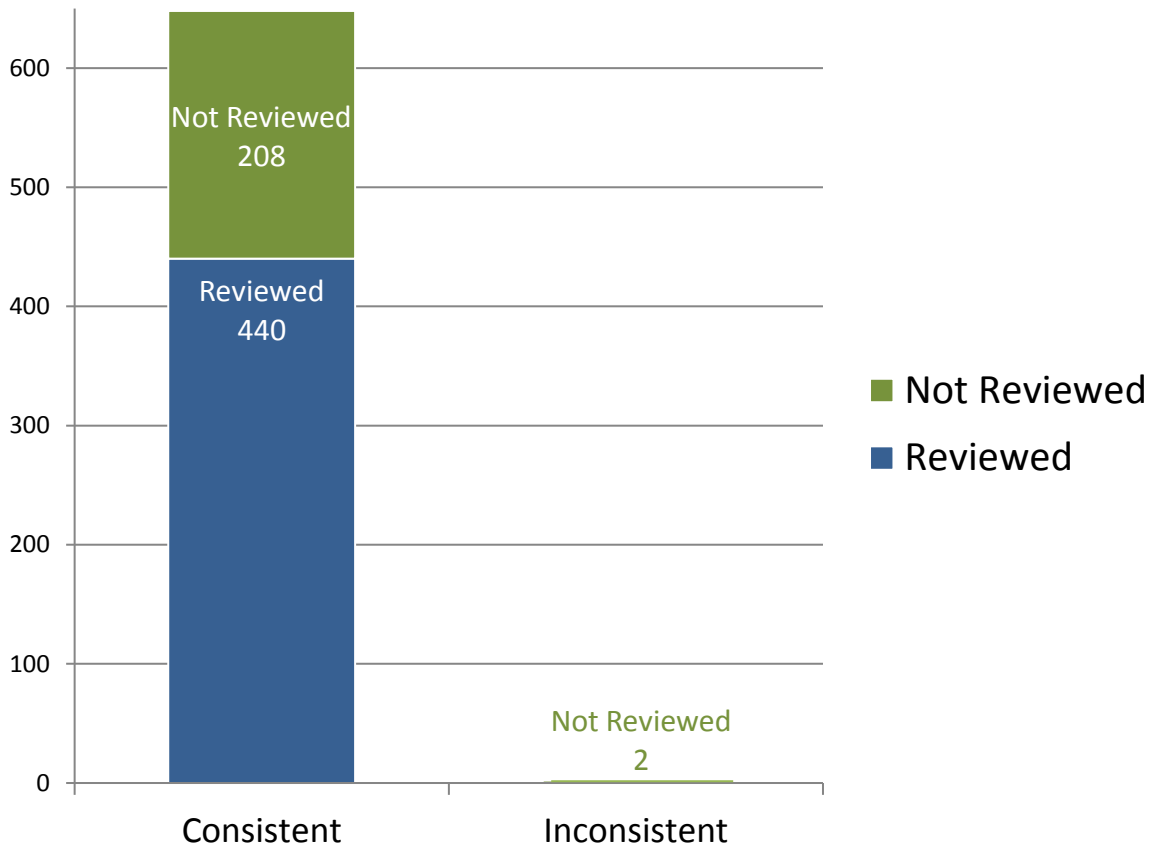
Consistent vs Inconsistent Responses Based on Highest Level of Education Completed



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

Appendix 11

Consistent vs Inconsistent Responses Based on Review of Original Conclusions by another Latent Print Examiner Prior to Submission



*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		EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Test Code	1261V17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	1377S17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	1380Z17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	1422X17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	147R17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	1700W17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	1708M17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	1851D17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	193T17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2147D17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2199Z17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2329T17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2340P17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2358B17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP

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		EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Test Code	2745O17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2817F17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2955Q17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	2972C17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3045B17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3169X17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	324T17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3387B17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3461Q17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3587P17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	371V17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3802D17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	3968P17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4034J17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP

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		EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Test Code	404G17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4352E17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4520D17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4615S17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4681B17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4743W17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4755V17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4776M17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	490Y17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4982W17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	4988U17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	EXC	EXC	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	5389R17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	5457H17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	5648T17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP

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	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Test Code	5800P17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	5982L17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	5984Q17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	6127R17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	6306F17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	6916S17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	6938Q17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7276Y17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7422F17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7427N17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	742F17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7517I17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7573V17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7738O17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP

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		EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Test Code	7784C17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	7824W17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	8093E17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	8272C17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	8720V17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	8955Z17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	9034C17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	9191B17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
	9768G17102	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP

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	EXC	ID K-2 LI	ID K-2 RM	ID K-4 RM	ID K-1 LM	ID K-4 LT	ID K-1 RP	ID K-3 RP	ID K-2 LP	ID K-2 RP
Consistent Responses	65	65	65	65	64	64	65	65	65	65
Inconsistent Responses	0	0	0	0	1	1	0	0	0	0
Percentage of Consistent Responses	100%	100%	100%	100%	98%	98%	100%	100%	100%	100%

Participant's Additional Comments

Test ID	Comments
1380Z17102	Very good test. Please consider doing finger numbers in your answer portal (i.e. finger 1 for right thumb). This will make data entry less prone to error and clerical mistakes.
1851D17102	Much quicker to take the test with only one exclusion conclusion. The latents presented were excellent quality with the conclusions being well supported. Only challenge was orientating palm sections, which had multiple clues present to assist. Great to see different developing processes being utilized for the latents. Good test overall.
2340P17102	Thank you for making the photos like lift cards. This makes the examination a lot easier!
2955Q17102	Test was fair. Image quality was good.
3045B17102	The test wasn't really challenging. We deal often with latent prints that are more difficult. It would be nice to have a mix of different difficulty Level.
3802D17102	Include finger number in the source field (e.g. #3_Right_Middle).
8272C17102	Our agency identifies individual fingers by name and finger number - i.e. #2 (Right Index) finger - A similar name/number scheme for answers may be helpful.

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 erroneous identifications were submitted.
2. Only 2 erroneous exclusions were submitted and these were both submitted by non-certified sworn latent print examiner(s) who had received less than 80 hours of formal training and who work in a non-accredited laboratory.

Authorized by:



President
Ron Smith and Associates, Inc.

Date of Issue:

November 10, 2017