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Summary Report

Spring 2016 Footwear Comparison Proficiency Test #16301

Issued: June 29, 2016

On February 22, 2016, Ron Smith and Associates, Inc. (RS&A) shipped the 2016 Spring Footwear Comparison Proficiency Test #16301. Participants were required to submit their responses no later than April 25, 2016 in order for them to be included in this summary report. A total of 10 tests were ordered and shipped, with all 10 participants returning their responses. The test was provided in both digital and hard copy format and included seven questioned impressions and four known footwear impressions.

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 #16301 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 Ron Smith, Proficiency Testing Coordinator, at testing@ronsmithandassociates.com or call toll free at 1-866-832-6772.

Spring 2016 Footwear
Comparison Proficiency Test
Test #16301



Summary Report
Page 1 of 15

Appendix 1

Test Manufacturer's Information *Issued on May 9, 2016*

Spring 2016 Footwear Comparison Proficiency Test #16301

The assigned values are:

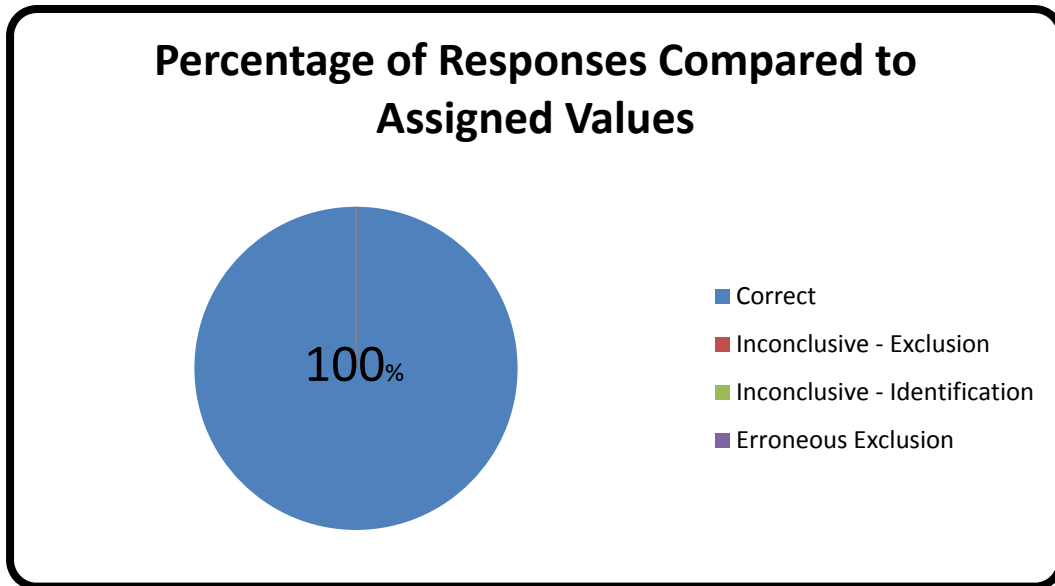
Questioned Impressions Q#	Conclusion	Known Shoe K-#
Q-1	Identification	K-1, Left Shoe
Q-2	Identification	K-2, Right Shoe
Q-3	Exclusion	N/A
Q-4	Identification	K-1, Left Shoe
Q-5	Identification	K-2, Right Shoe
Q-6	Identification	K-3, Left Shoe
Q-7	Identification	K-4, Right Shoe

The test consisted of seven questioned impressions and four known footwear impressions 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.

Individual reports will be provided to participants on or before May 16, 2016. The final summary report for this test will be posted on the Ron Smith and Associates website at <http://www.ronsmithandassociates.com/proficiency/footwear.html> by June 1, 2016.

For questions or further information, contact our Proficiency Test Coordinator, Ron Smith, at testing@ronsmithandassociates.com.

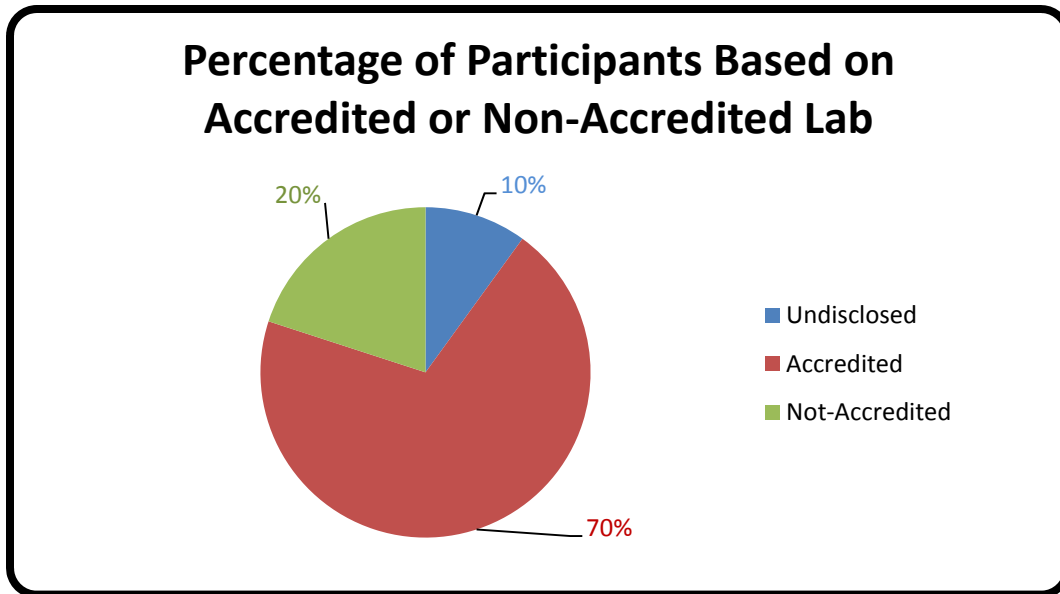
Appendix 2



There were 10 reporting participants and 7 questioned impressions, totaling 70 individual responses that were received. Of these, all 70 responses were consistent with the assigned values (100%).

# of Participants and Responses	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
10 Participants 70 Responses	100%	0%	0%	0%

Appendix 3



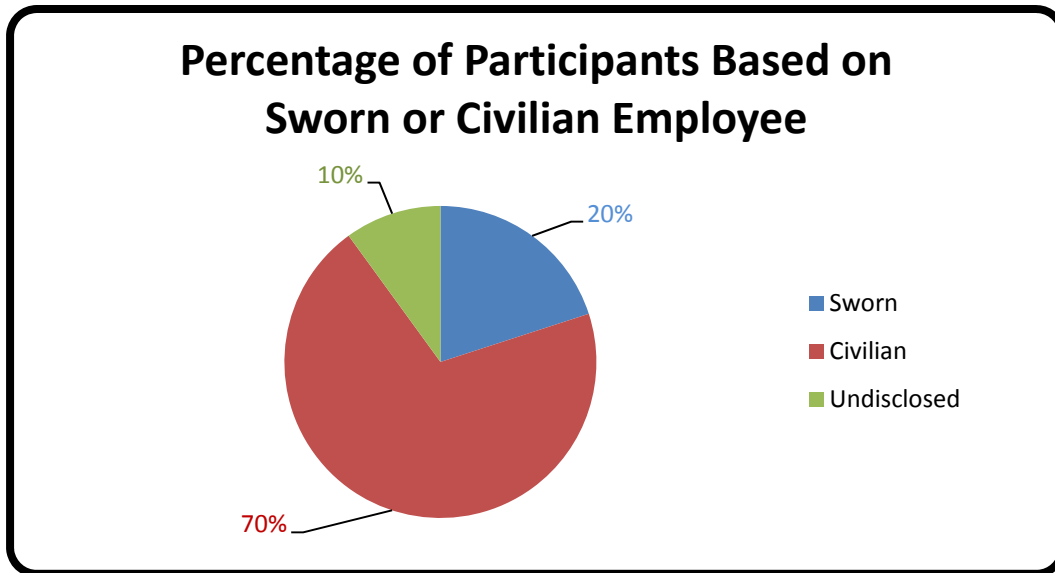
There were a total of 7 participants from accredited laboratories. These participants submitted a total of 49 responses. Of these, all 49 responses were consistent with the assigned values (100%).

There were a total of 2 participants from non-accredited laboratories. These participants submitted a total of 14 responses. Of these, all 14 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose if they were from an accredited laboratory. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Agency Accreditation	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Accredited 7 Participants 49 Responses	100%	0%	0%	0%
Not-Accredited 2 Participants 14 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 4



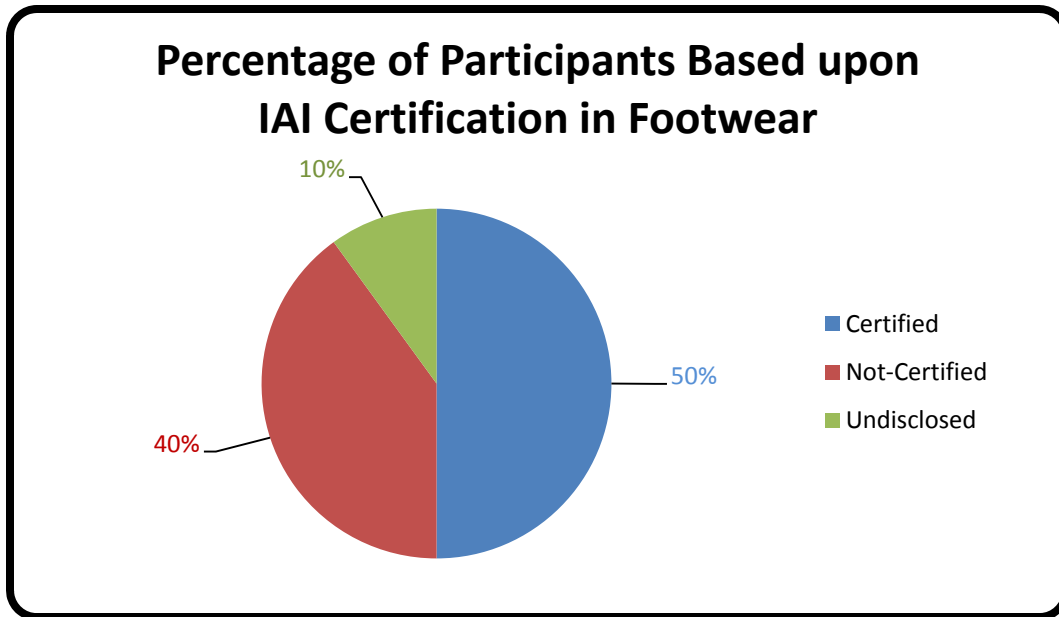
There were a total of 2 participants who reported they were employed in a sworn law enforcement position. These participants submitted a total of 14 responses. Of these, all 14 responses were consistent with the assigned values (100%).

There were a total of 7 participants who reported they were employed in a civilian capacity. These participants submitted a total of 49 responses. Of these, all 49 responses were consistent with the assigned value (100%).

There was 1 participant who did not disclose if they were sworn or civilian. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Employee Status	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Sworn 2 Participants 14 Responses	100%	0%	0%	0%
Civilian 7 Participants 49 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 5



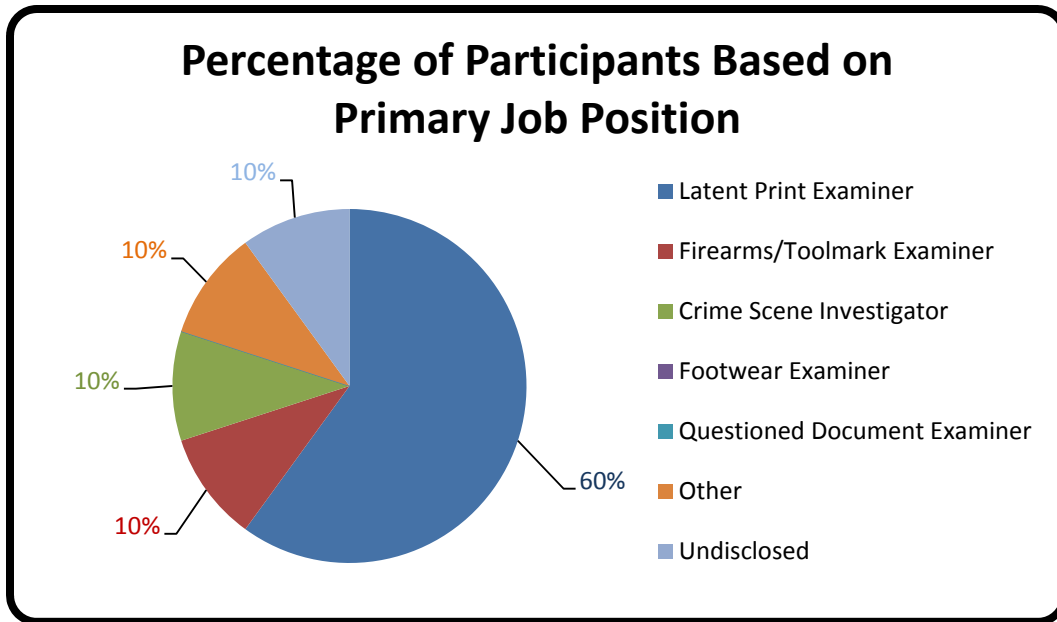
There were a total of 5 participants who reported they were certified as Footwear Examiners by the International Association for Identification. These participants submitted a total of 35 responses. Of these, all 35 responses were consistent with the assigned value (100%).

There were a total of 4 participants who reported that they were not certified as Footwear Examiners by the International Association for Identification. These participants submitted a total of 28 responses. Of these, all 28 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose if they were certified. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

IAI Certified in Footwear	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Certified 5 Participants 35 Responses	100%	0%	0%	0%
Not-Certified 4 Participants 28 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 6



There were a total of 6 participants who listed their primary job position as latent print examiner. These participants submitted a total of 42 responses. Of these, all 42 responses were consistent with the assigned values (100%).

There was 1 participant who listed their primary job position as firearms/toolmark examiner. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

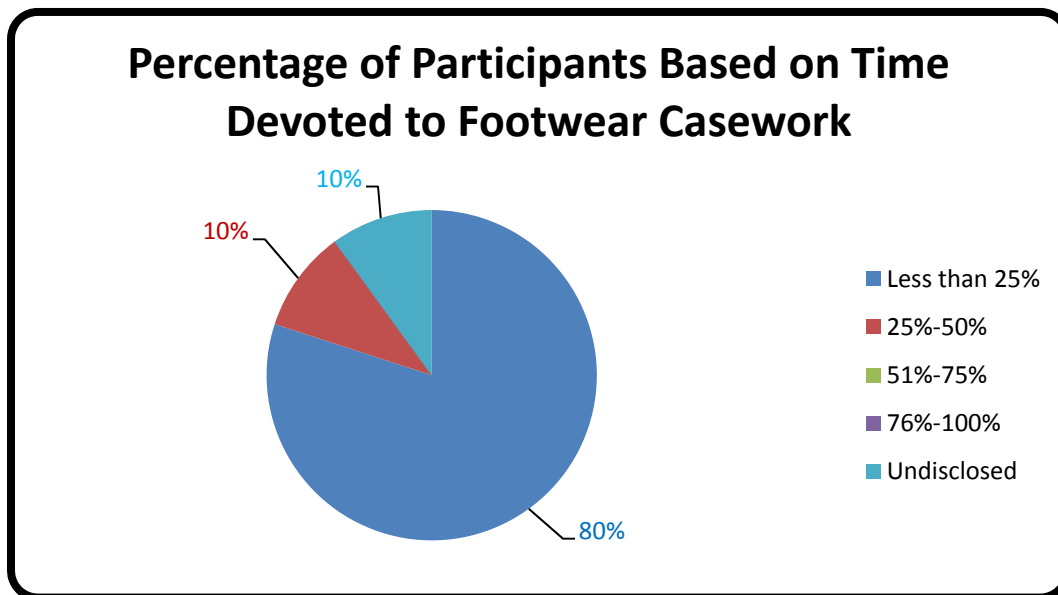
There was 1 participant who listed their primary job position as crime scene investigator. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There was 1 participant who listed their primary job position as other (Lab Manager). This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose their job description. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Primary Job Position	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Latent Print Examiner 6 Participants 42 Responses	100%	0%	0%	0%
Firearms/Toolmark Examiner 1 Participant 7 Responses	100%	0%	0%	0%
Crime Scene Investigator 1 Participant 7 Responses	100%	0%	0%	0%
Questioned Document Examiner	N/A	N/A	N/A	N/A
Footwear Examiner	N/A	N/A	N/A	N/A
Other 1 Participant 7 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 7



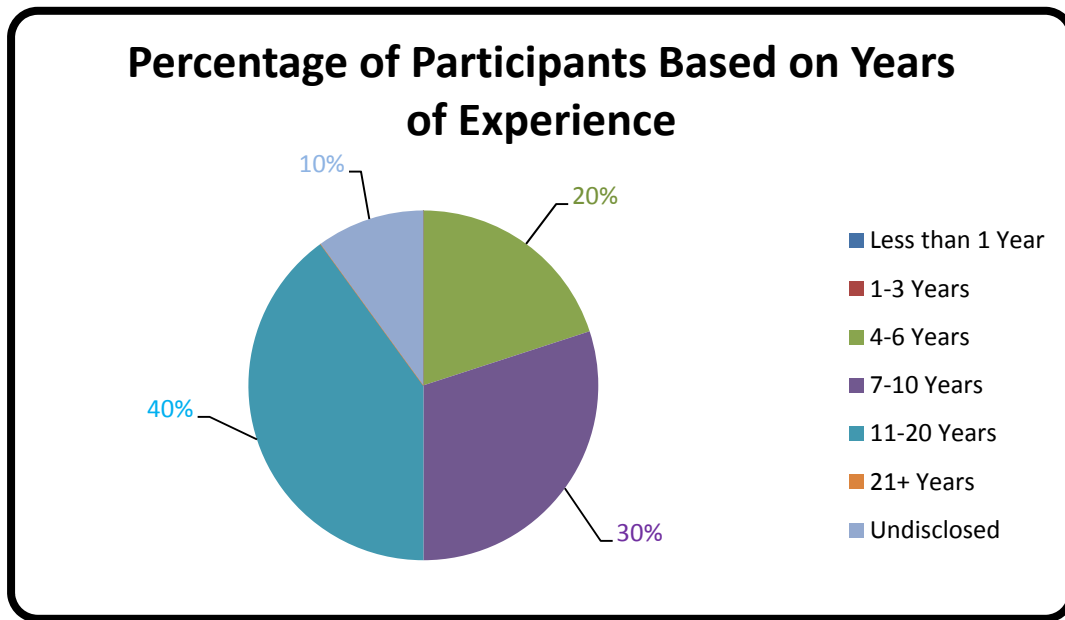
There were a total of 8 participants that devoted less than 25% of their time to footwear casework. These participants submitted a total of 56 responses. Of these, all 56 responses were consistent with the assigned values (100%).

There was 1 participant that devoted 25%-50% of their time to footwear casework. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose their time devoted to footwear casework. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Time Devoted to Casework	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Less than 25% 8 Participants 56 Responses	100%	0%	0%	0%
25%-50% 1 Participant 7 Responses	100%	0%	0%	0%
51%-75%	N/A	N/A	N/A	N/A
76%-100%	N/A	N/A	N/A	N/A
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 8



There were a total of 2 participants that had 4 to 6 years of experience in footwear examination. These participants submitted a total of 14 responses. Of these, all 14 responses were consistent with the assigned values (100%).

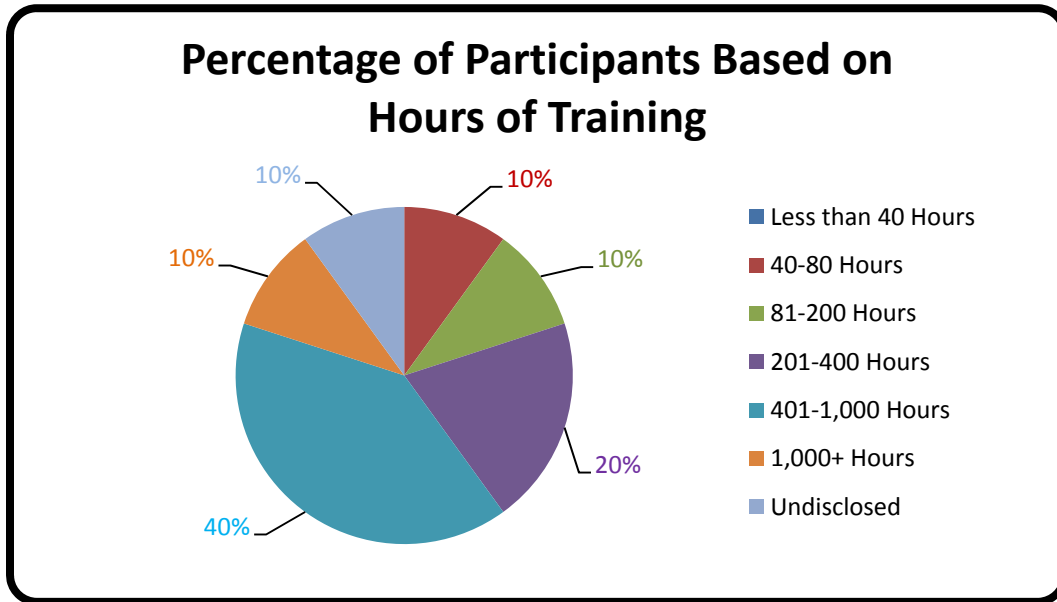
There were a total of 3 participants that had 7 to 10 years of experience in footwear examination. These participants submitted a total of 21 responses. Of these, all 21 responses were consistent with the assigned values (100%).

There were a total of 4 participants that had 11 to 20 years of experience in footwear examination. These participants submitted a total of 28 responses. Of these, all 28 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose their years of experience in footwear examination. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Years of Experience in Footwear	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Less than 1 Year	N/A	N/A	N/A	N/A
1-3 Years	N/A	N/A	N/A	N/A
4-6 Years 2 Participants 14 Responses	100%	0%	0%	0%
7-10 Years 3 Participants 21 Responses	100%	0%	0%	0%
11-20 Years 4 Participants 28 Responses	100%	0%	0%	0%
21 + Years	N/A	N/A	N/A	N/A
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 9



There was 1 participant who had received 40 to 80 hours of footwear training. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There was 1 participant who had received 81 to 200 hours of footwear training. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There were a total of 2 participants who had received 201 to 400 hours of footwear training. These participants submitted a total of 14 responses. Of these, all 14 responses were consistent with the assigned values (100%).

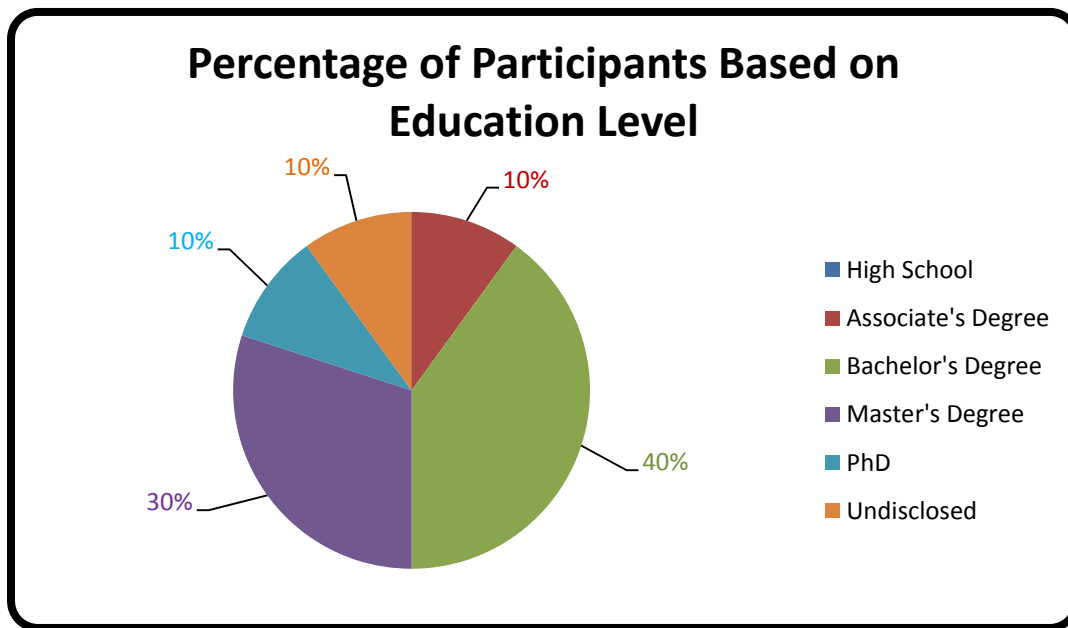
There were a total of 4 participants who had received 401 to 1,000 hours of footwear training. These participants submitted a total of 28 responses. Of these, all 28 responses were consistent with the assigned values (100%).

There was 1 participant who had received 1,001+ hours of footwear training. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose the number of footwear training hours. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Training Hours Completed in Footwear	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Less than 40 Hours	N/A	N/A	N/A	N/A
40-80 Hours 1 Participant 7 Responses	100%	0%	0%	0%
81-200 Hours 1 Participant 7 Responses	100%	0%	0%	0%
201-400 Hours 2 Participants 14 Responses	100%	0%	0%	0%
401-1000 Hours 4 Participants 28 Responses	100%	0%	0%	0%
1001+ Hours 1 Participant 7 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 10



There was 1 participant who listed their highest level of education completed as Associate’s degree. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There were a total of 4 participants who listed their highest level of education completed as Bachelor’s degree. These participants submitted a total of 28 responses. Of these, all 28 responses were consistent with the assigned values (100%).

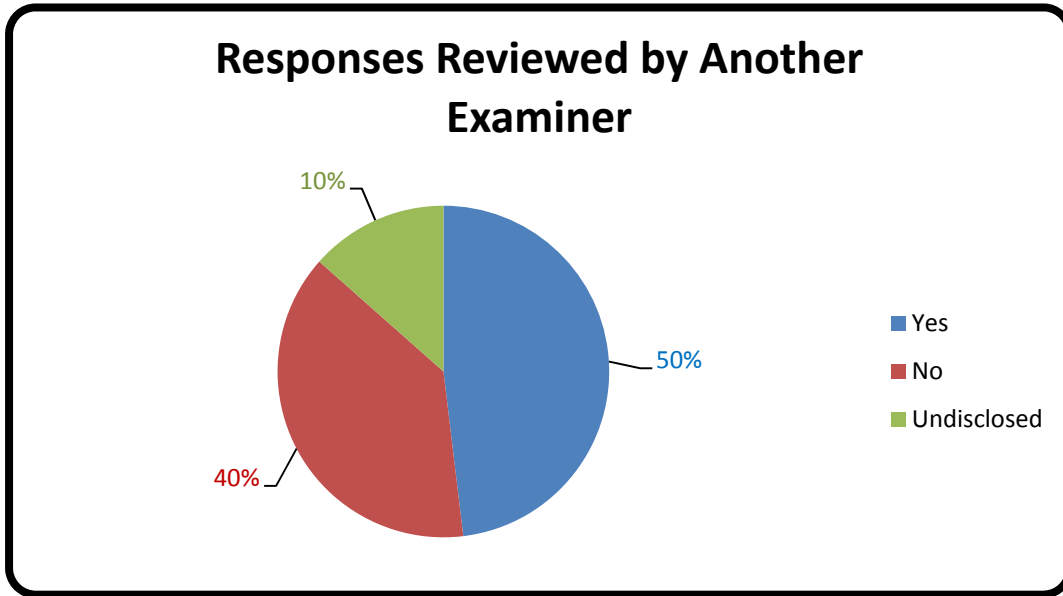
There were a total of 3 participants who listed their highest level of education completed as Master’s degree. These participants submitted a total of 21 responses. Of these, all 21 responses were consistent with the assigned values (100%).

There was 1 participant who listed their highest level of education completed as Doctor of Philosophy (Ph.D.). This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose their highest level of education completed. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Highest Education Level Completed	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
High School	N/A	N/A	N/A	N/A
Associate’s Degree 1 Participant 7 Responses	100%	0%	0%	0%
Bachelor’s Degree 4 Participants 28 Responses	100%	0%	0%	0%
Master’s Degree 3 Participants 21 Responses	100%	0%	0%	0%
Philosophy Doctorate (PhD) 1 Participant 7 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 11



There were a total of 5 participants who had their conclusions reviewed by another examiner prior to submission. These participants submitted a total of 35 responses. Of these, all 35 responses were consistent with the assigned values (100%).

There were a total of 4 participants who did not have their conclusions reviewed by another examiner prior to submission. These participants submitted a total of 28 responses. Of these, all 28 responses were consistent with the assigned values (100%).

There was 1 participant who did not disclose if they had their conclusions reviewed by another examiner prior to submission. This participant submitted a total of 7 responses. Of these, all 7 responses were consistent with the assigned values (100%).

Conclusions Reviewed	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Yes 5 Participants 35 Responses	100%	0%	0%	0%
No 4 Participants 28 Responses	100%	0%	0%	0%
Undisclosed 1 Participant 7 Responses	100%	0%	0%	0%

Appendix 12

Participant Responses Listed by Test Code

	Q-1	Q-2	Q-3	Q-4	Q-5	Q-6	Q-7
Test Code	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
3783I16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
5466K16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
2092V16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
4040W16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
344K16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
2292M16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
3552H16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
3454O16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
6811T16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe
7865P16301	ID/K-1 L. Shoe	ID/K-2 R. Shoe	Exc.	ID/K-1 L. Shoe	ID/K-2 R. Shoe	ID/K-3 L. Shoe	ID/K-4 R. Shoe

Participant's Additional Comments

No comments were submitted.

Authorized by:



Ron Smith
President

For Further Information Proficiency Test Coordinator
Contact: 1.866.832.6772