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Summary Report**Summer 2016 Tire Track Comparison Proficiency Test #16401****Issued: July 5, 2016**

On April 11, 2016, Ron Smith and Associates, Inc. (RS&A) shipped the 2016 Summer Tire Track Comparison Proficiency Test #16401. Participants were required to submit their responses no later than June 13, 2016 in order for them to be included in this summary report. A total of 5 tests were ordered and shipped, with only 4 participants returning their responses. The test was provided in both digital and hard copy format and included four questioned impressions and eight sections of a known tire labeled as A through H.

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 #16401 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.

Summer 2016 Tire Track
Comparison Proficiency Test
Test #16401



Summary Report
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Appendix 1

Test Manufacturer's Information

Issued on June 27, 2016

Summer 2016 Tire Track Comparison Proficiency Test #16401

The assigned values are:

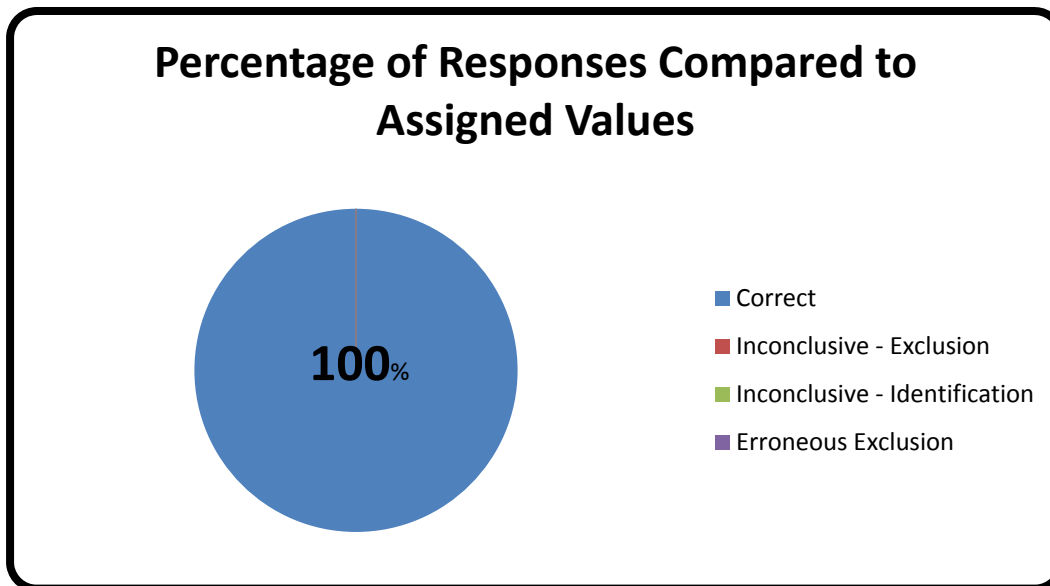
Questioned Impressions Q#	<u>Conclusion</u>	<u>Known Tire Section #</u>
Q-1	Exclusion	N/A
Q-2	Identification	Section E
Q-3	Identification	Section G
Q-4	Identification	Section A

The test consisted of four questioned impressions and eight sections of known tire labeled as A through H, 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 July 11, 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 July 25, 2016.

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

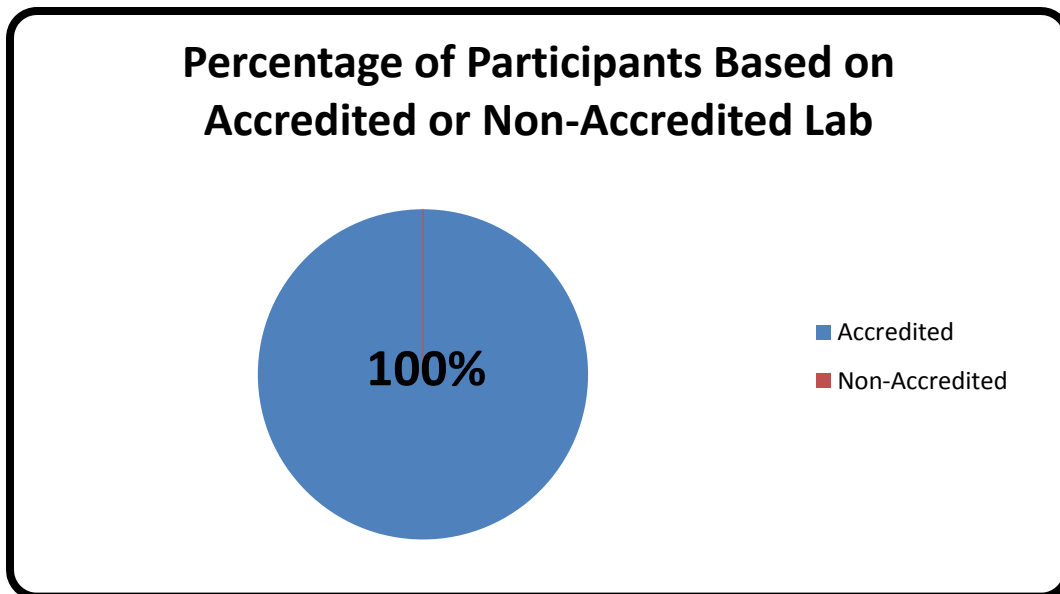
Appendix 2



With 4 reporting participants and 4 questioned impressions, a total of 16 individual responses were received. Of these, all 16 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)
4 Participants 16 Responses	100%	0%	0%	0%

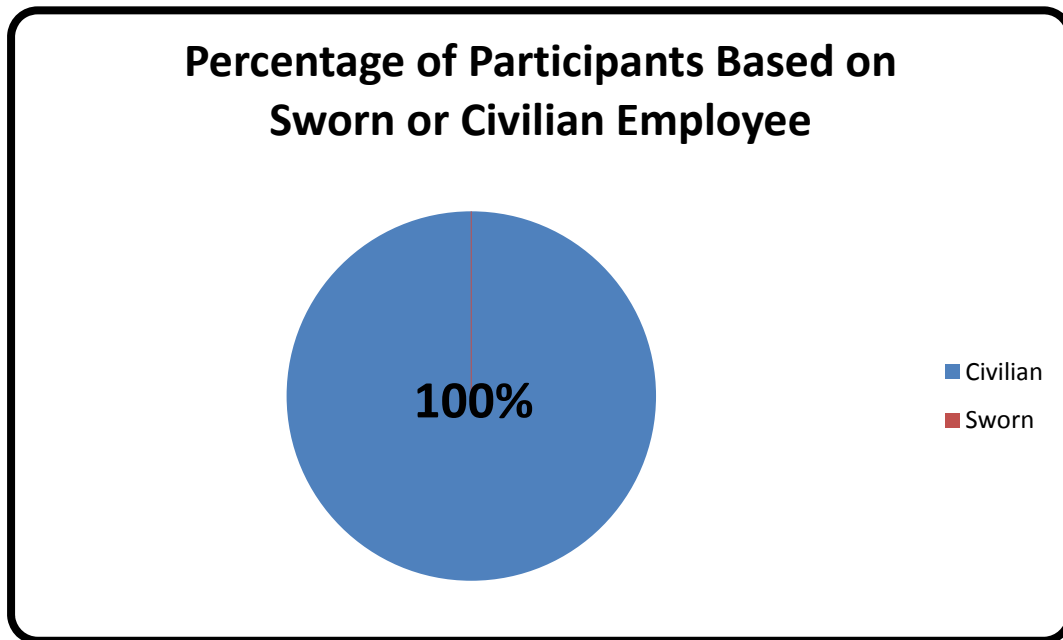
Appendix 3



There were a total of 4 participants from accredited laboratories. These participants submitted a total of 16 responses. Of these, all 16 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 4 Participants 16 Responses	100%	0%	0%	0%
Non-Accredited	N/A	N/A	N/A	N/A

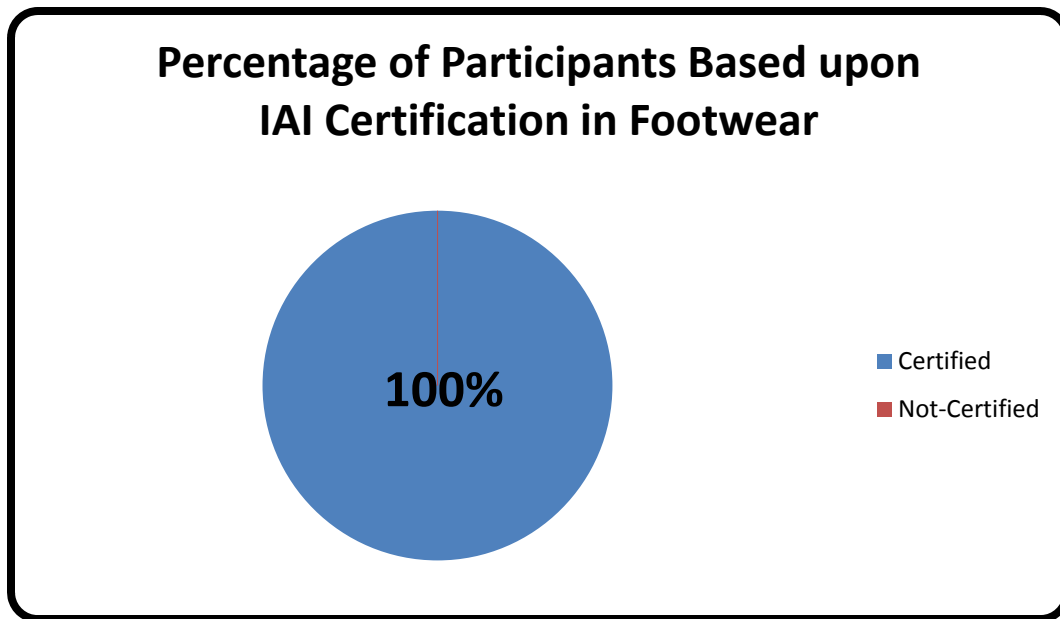
Appendix 4



There were a total of 4 participants who reported they were employed in a civilian capacity. These participants submitted a total of 16 responses. Of these, all 16 responses were consistent with the assigned value (100%).

Employee Status	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Sworn	N/A	N/A	N/A	N/A
Civilian 4 Participants 16 Responses	100%	0%	0%	0%

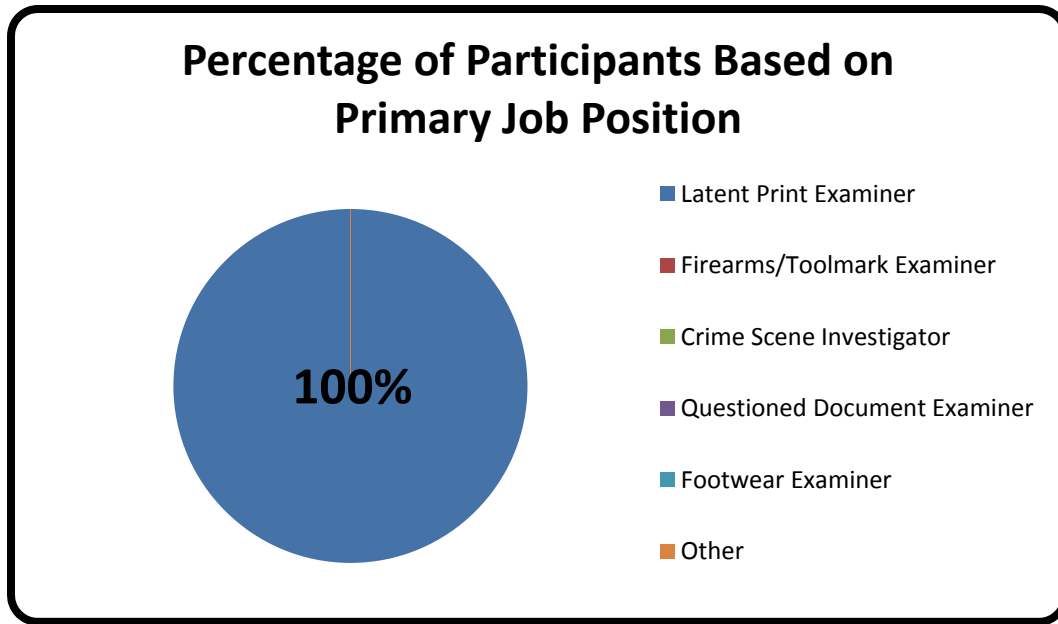
Appendix 5



There were a total of 4 participants who reported they were certified as Footwear Examiners by the International Association for Identification. These participants submitted a total of 16 responses. Of these, all 16 responses were consistent with the assigned value (100%).

IAI Certified in Footwear	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Certified 4 Participants 16 Responses	100%	0%	0%	0%
Not-Certified	N/A	N/A	N/A	N/A

Appendix 6

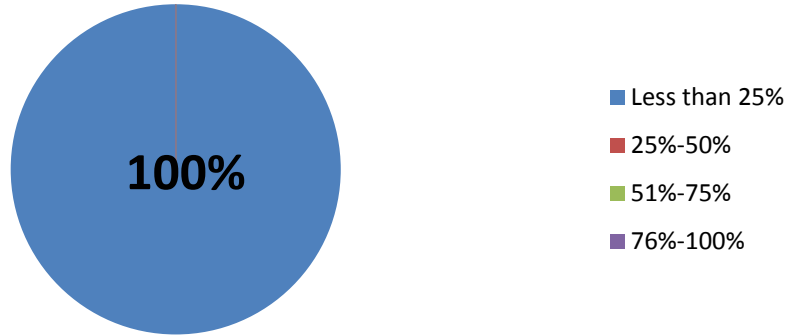


There were a total of 4 participants whose primary job position was listed as latent print examiner. These participants submitted a total of 16 responses. Of these, all 16 responses were consistent with the assigned values (100%).

Primary Job Position	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Latent Print Examiner 4 Participants 16 Responses	100%	0%	0%	0%
Firearms/Toolmark Examiner	N/A	N/A	N/A	N/A
Crime Scene Investigator	N/A	N/A	N/A	N/A
Questioned Document Examiner	N/A	N/A	N/A	N/A
Footwear Examiner	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A

Appendix 7

Percentage of Participants Based on Time Devoted to Footwear Casework

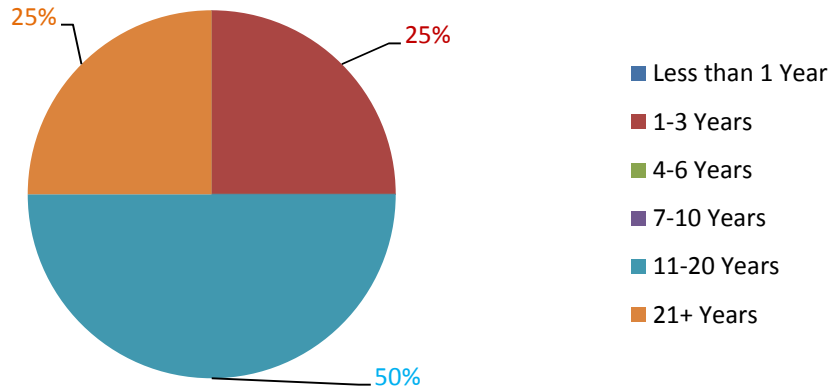


There were a total of 4 participants that devoted less than 25% of their time to tire track casework. These participants submitted a total of 16 responses. Of these, all 16 responses were consistent with the assigned values (100%).

Time Devoted to Casework	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
Less than 25% 4 Participants 16 Responses	100%	0%	0%	0%
25%-50%	N/A	N/A	N/A	N/A
51%-75%	N/A	N/A	N/A	N/A
76%-100%	N/A	N/A	N/A	N/A

Appendix 8

Percentage of Participants Based on Years of Experience



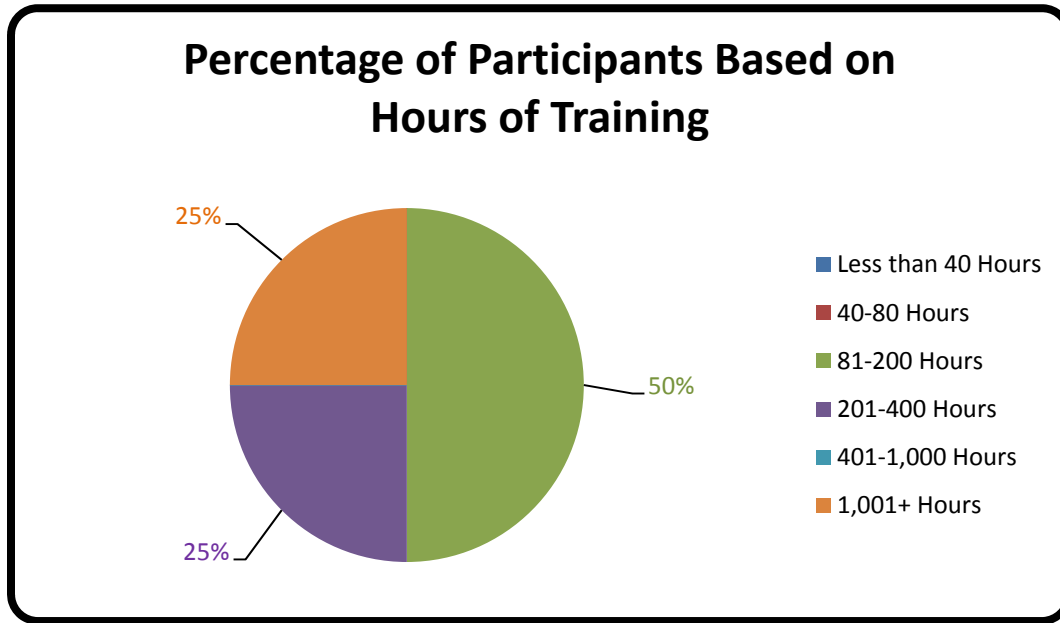
There was 1 participant that listed their tire track examination experience at 1 to 3 years. This participant submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

There were a total of 2 participants that listed their tire track examination experience at 11 to 20 years. These participants submitted a total of 8 responses. Of these, all 8 responses were consistent with the assigned values (100%).

There was 1 participant that listed their tire track examination experience at 21+ years. This participant submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

Years of Experience in Tire Track	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 1 Participant 4 Responses	100%	0%	0%	0%
4-6 Years	N/A	N/A	N/A	N/A
7-10 Years	N/A	N/A	N/A	N/A
11-20 Years 2 Participants 8 Responses	100%	0%	0%	0%
21 + Years 1 Participant 4 Responses	100%	0%	0%	0%

Appendix 9



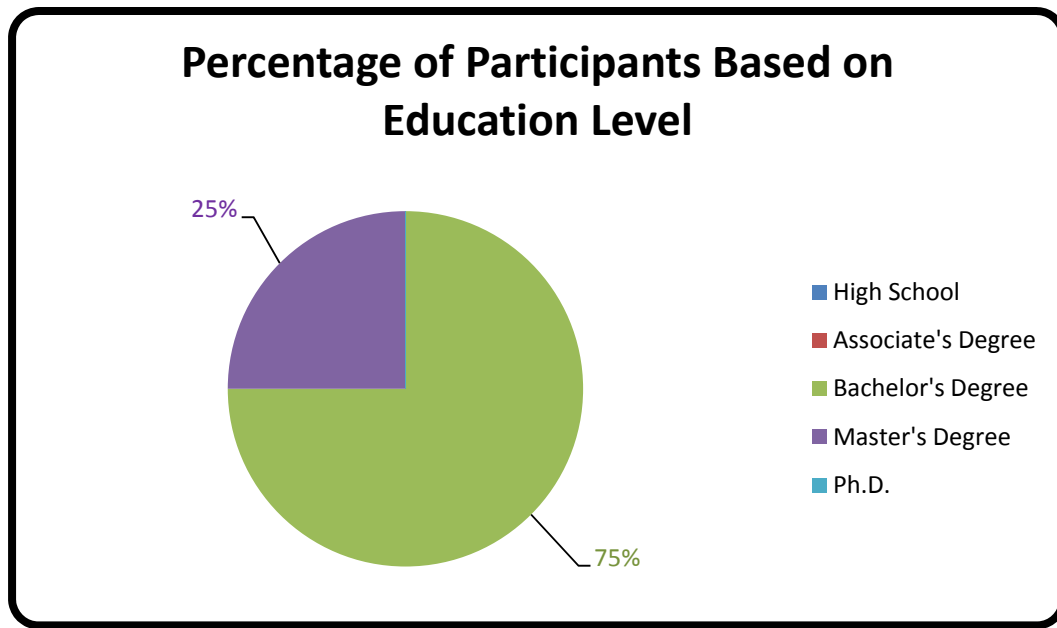
There were a total of 2 participants who had received 81 to 200 hours of tire track training. These participants submitted a total of 8 responses. Of these, all 8 responses were consistent with the assigned values (100%).

There was 1 participant who had received 201 to 400 hours of tire track training. This participant submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

There was 1 participant who had received 1,001+ hours of tire track training. This participant submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

Training Hours Completed in Tire Track	Percentage Correct	Percentage of Erroneous Exclusions	Percentage of Inconclusive (Exclusion)	Percentage of Inconclusive (Identification)
0-40 Hours	N/A	N/A	N/A	N/A
40-80 Hours	N/A	N/A	N/A	N/A
81-200 Hours 2 Participants 8 Responses	100%	0%	0%	0%
201-400 Hours 1 Participant 4 Responses	100%	0%	0%	0%
401-1000 Hours	N/A	N/A	N/A	N/A
1001+ Hours 1 Participant 4 Responses	100%	0%	0%	0%

Appendix 10

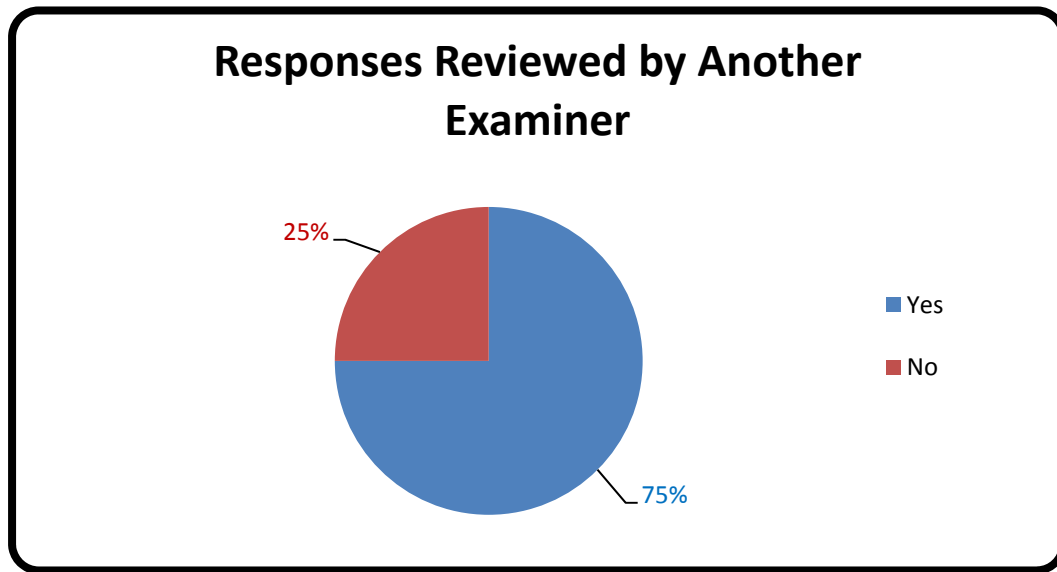


There were a total of 3 participants who listed their highest level of education completed as Bachelor's degree. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned values (100%).

There was 1 participant who listed their highest level of education completed as Master's degree. This participant submitted a total of 4 responses. Of these, all 4 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	N/A	N/A	N/A	N/A
Bachelor's Degree 3 Participants 12 Responses	100%	0%	0%	0%
Master's Degree 1 Participant 4 Responses	100%	0%	0%	0%
Philosophy Doctorate (PhD)	N/A	N/A	N/A	N/A

Appendix 11



There were a total of 3 participants who had their conclusions reviewed by another examiner prior to submission. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned values (100%).

There was 1 participant who did not have their conclusions reviewed by another examiner prior to submission. This participant submitted a total of 4 responses. Of these, all 4 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 3 Participants 12 Responses	100%	0%	0%	0%
No 1 Participant 4 Responses	100%	0%	0%	0%

Appendix 12

Participant Responses Listed by Test Code

	Q-1	Q-2	Q-3	Q-4
Assigned Values	EXC	ID - Section E	ID - Section G	ID - Section A
Test Code				
2697U16401	EXC	ID - Section E	ID - Section G	ID - Section A
358F16401	EXC	ID - Section E	ID - Section G	ID - Section A
2606U16401	EXC	ID - Section E	ID - Section G	ID - Section A
3633F16401	EXC	ID - Section E	ID - Section G	ID - Section A

Participants' Additional Comments

Test Code	Comments
2697U16401	Q-3: K-1 Known Tire Section identified sections G and H.
3633F16401	Suggestion - when packaging the test, try not to pack so tight- I was afraid I was going to cut images.

Authorized by:



Ron Smith
President

For Further Information Proficiency Test Coordinator
Contact: 1.866.832.6772