

Headquarters Laboratory

P.O. Box 670
Collinsville, MS 39325
Office (601) 626-1100
Fax (601) 626-1122



Florida Laboratory
201 Douglas Ave, Suite A
Dunedin, FL 34698
Office (727) 253-4991
Fax (727) 953-7849

Ron Smith & Associates, Inc.

Testing Division

Toll Free: 1-866-832-6772 | www.RonSmithandAssociates.com
Email: testing@ronsmithandassociates.com

Summary Report

Summer 2017 Tire Track Comparison Proficiency Test #17401

Issued: July 28, 2017

On April 10, 2017, Ron Smith and Associates, Inc. (RS&A) shipped the 2017 Summer Tire Track Comparison Proficiency Test #17401. Participants were required to submit their responses no later than June 19, 2017 in order for them to be included in this summary report. A total of 3 tests were ordered and shipped, with all 3 participants returning their responses. The test was provided in both digital and hard copy format and included 4 questioned impressions and 6 sections of a known tire labeled as A through F.

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 #17401 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 Tire Track Proficiency Testing Coordinator at testing@ronsmithandassociates.com or by calling toll free at 1-866-832-6772.

Appendix 1

Test Manufacturer's Information

Summer 2017 Tire Track Comparison Proficiency Test #17401

The assigned values are:

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

The test consisted of 4 questioned impressions and 6 sections of known tire labeled as A through F, 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.

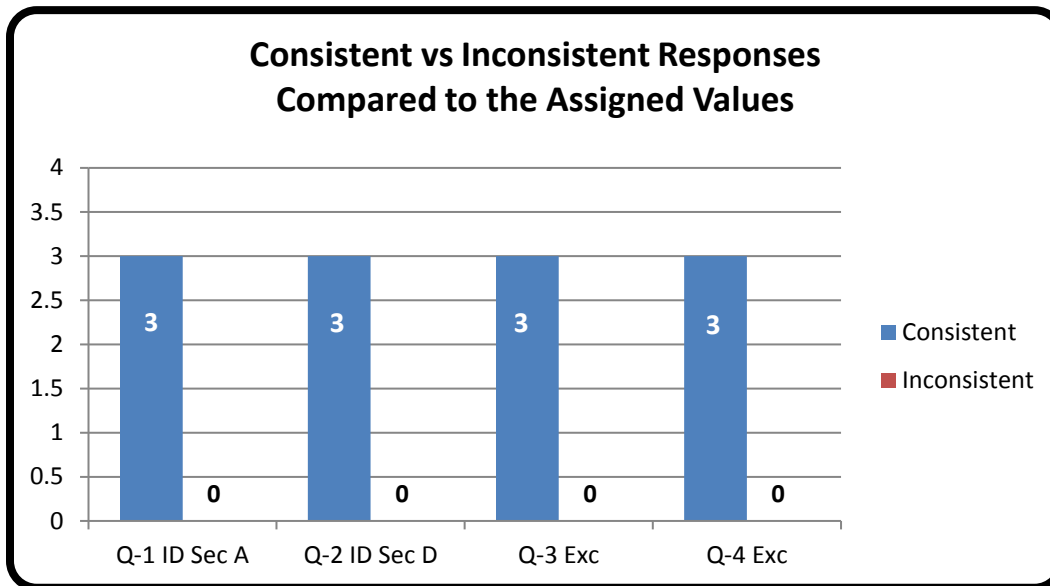
Individual reports will be provided to participants on or before mid July 2017. The final summary report for this test will be posted on the Ron Smith and Associates website at <http://www.ronsmithandassociates.com/proficiency/footwear.html> by late July 2017.

For questions or further information, contact our Tire Track Proficiency Test Coordinator by e-mailing testing@ronsmithandassociates.com or by calling toll free at 1.866.832.6772.

Authorized by: Ron Smith
President
July 10, 2017

Issue Date: July 10, 2017

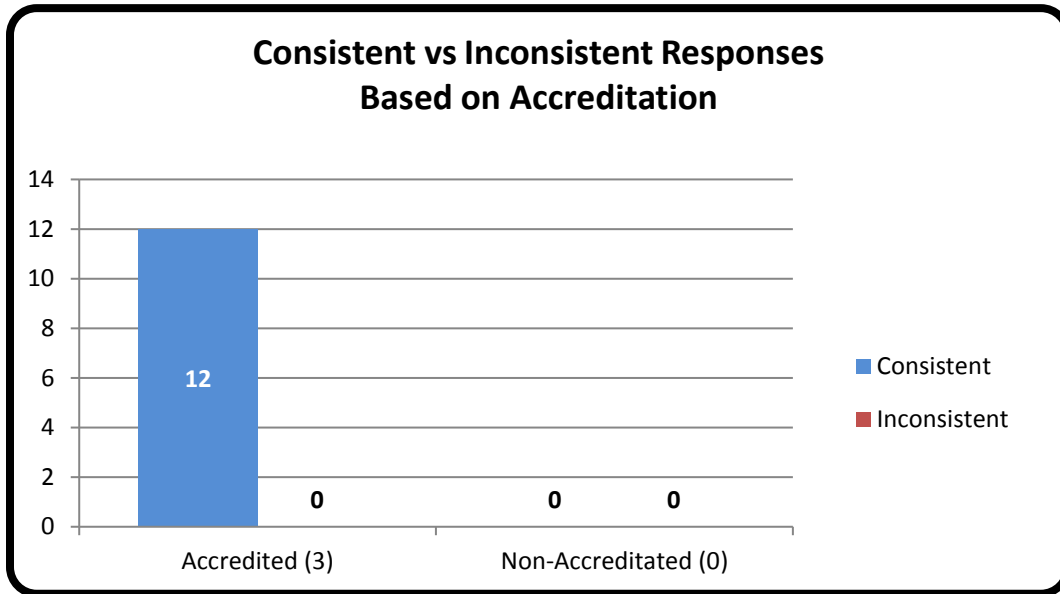
Appendix 2



With 3 reporting participants and 4 questioned impressions, a total of 12 individual responses were received. Of these, all 12 responses were consistent with the assigned values (100%).

# of Participants and Responses	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
3 Participants 12 Responses	100%	0%	0%	0%	0%

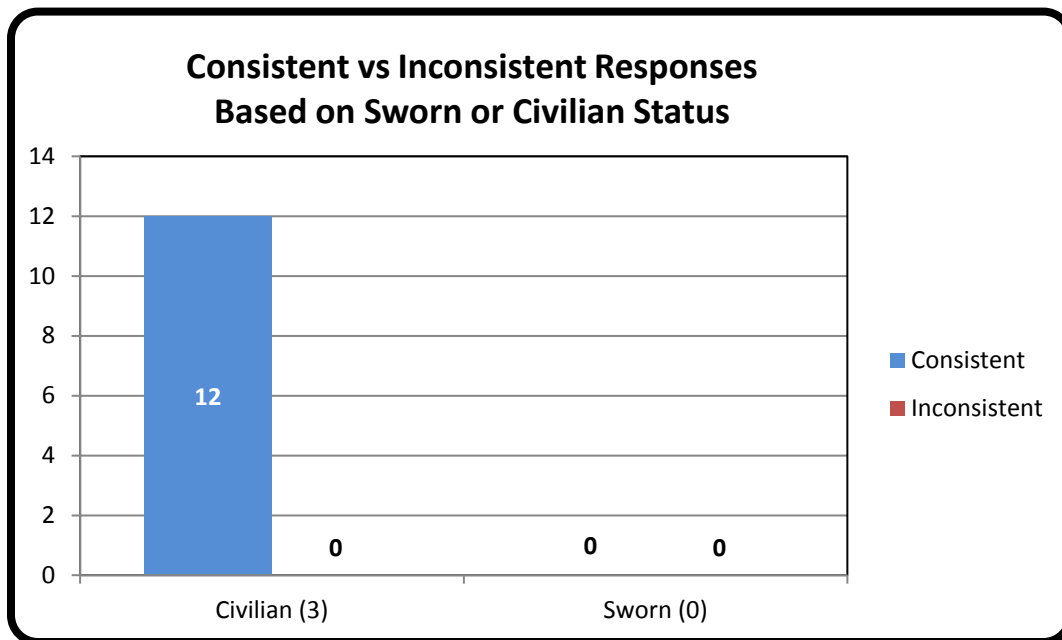
Appendix 3



There were a total of 3 participants from accredited laboratories. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned values (100%).

Agency Accreditation	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Accredited 3 Participants 12 Responses	100%	0%	0%	0%	0%
Not-Accredited	N/A	N/A	N/A	N/A	N/A

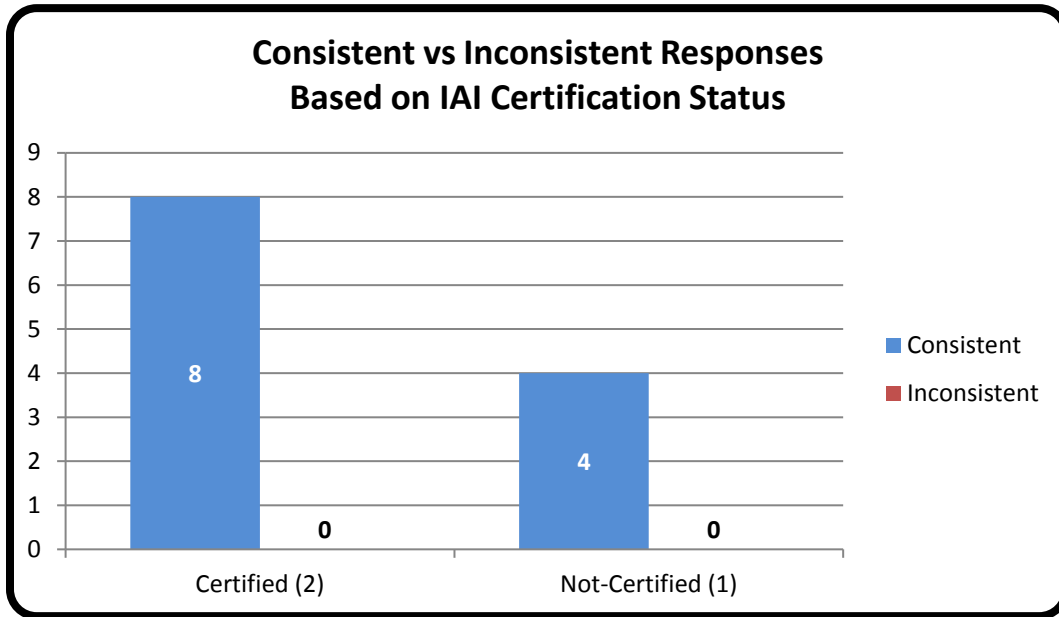
Appendix 4



There were a total of 3 participants who reported they were employed in a civilian capacity. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned value (100%).

Employee Status	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Sworn	N/A	N/A	N/A	N/A	N/A
Civilian 3 Participants 12 Responses	100%	0%	0%	0%	0%

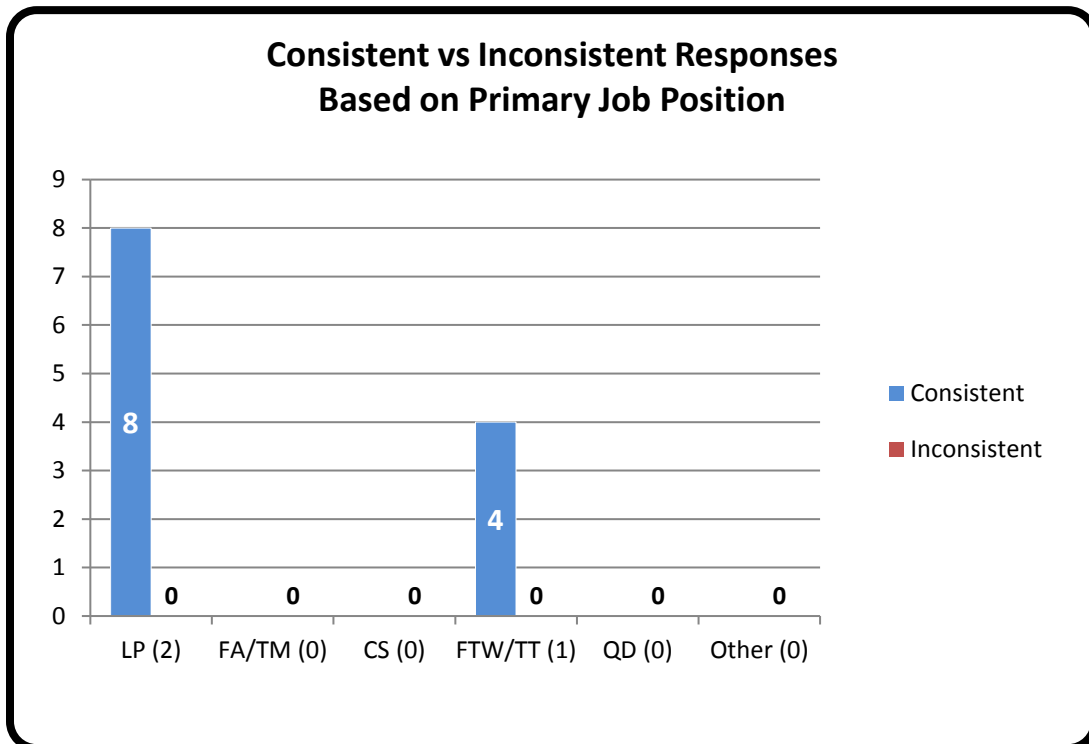
Appendix 5



There were a total of 2 participants who reported they were certified as Footwear Examiners by the International Association for Identification and 1 participant who reported that they were not certified as a Footwear Examiner by the International Association for Identification. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned value (100%).

IAI Certified in Footwear	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Certified 2 Participants 8 Responses	100%	0%	0%	0%	0%
Not-Certified 1 Participant 4 Responses	100%	0%	0%	0%	0%

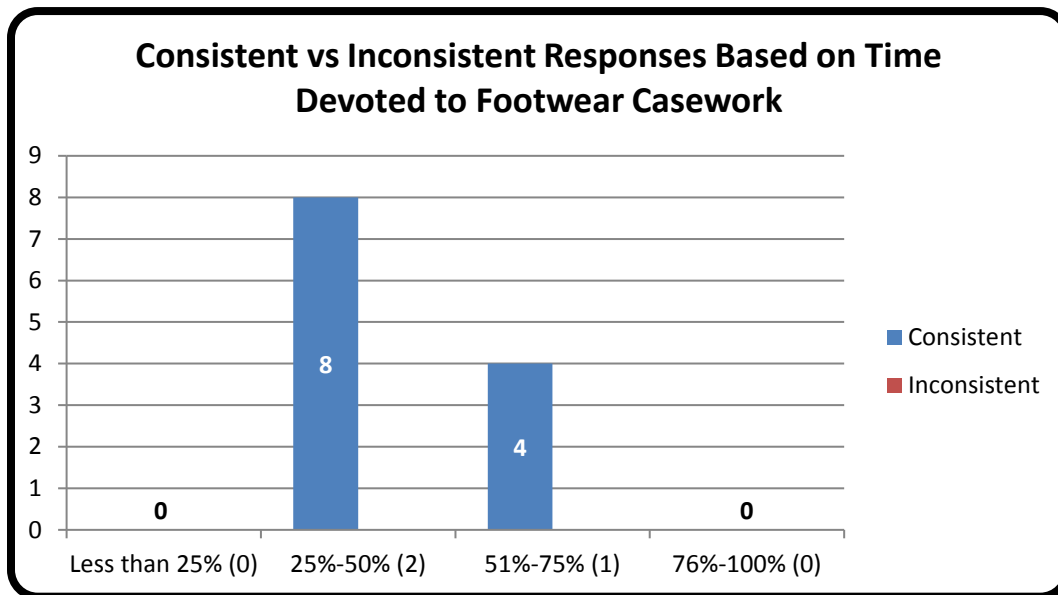
Appendix 6



There were a total of 2 participants whose primary job position was listed as latent print examiner and 1 participant whose primary job position was listed as a footwear/tire track examiner. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned values (100%).

Primary Job Position	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Latent Print Examiner 2 Participants 8 Responses	100%	0%	0%	0%	0%
Firearms/ Toolmark Examiner	N/A	N/A	N/A	N/A	N/A
Crime Scene Investigator	N/A	N/A	N/A	N/A	N/A
Footwear Examiner 1 Participant 4 Responses	100%	0%	0%	0%	0%
Questioned Document Examiner	N/A	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A	N/A

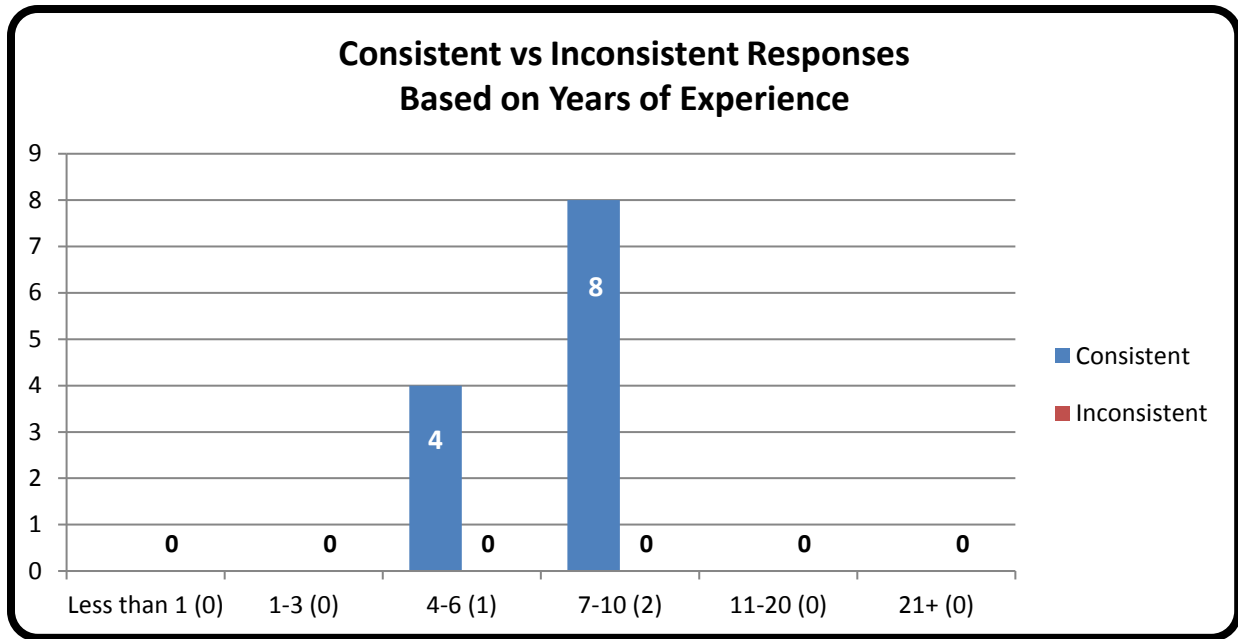
Appendix 7



There were a total of 2 participants that devote between 25%-50% of their time to footwear/tire track casework and there was 1 participant that devotes between 51%-75% of their time to footwear/tire track casework. These participants submitted a total of 12 responses. Of these, all 12 responses were consistent with the assigned values (100%).

Time Devoted to Casework	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Less than 25%	N/A	N/A	N/A	N/A	N/A
25%-50% 2 Participants 8 Responses	100%	0%	0%	0%	0%
51%-75% 1 Participant 4 Responses	100%	0%	0%	0%	0%
76%-100%	N/A	N/A	N/A	N/A	N/A

Appendix 8

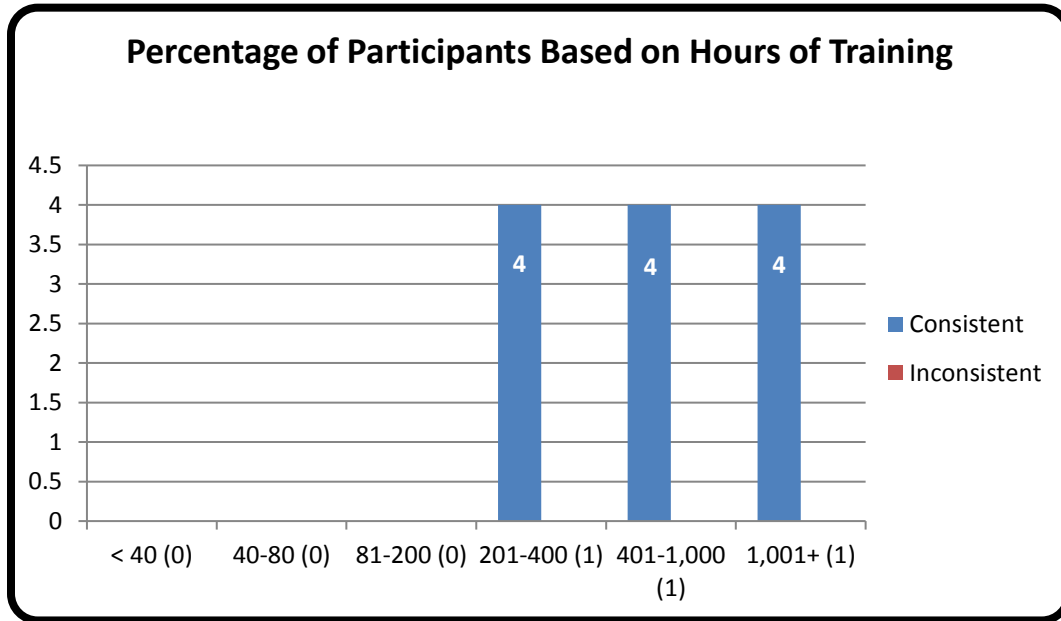


There was 1 participant that listed their footwear/tire track examination experience at 4 to 6 years. This participant submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

There were a total of 2 participants that listed their footwear/tire track examination experience at 7 to 10 years. These participants submitted a total of 8 responses. Of these, all 8 responses were consistent with the assigned values (100%).

Years of Experience in FTW/TT	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Less than 1 Year	N/A	N/A	N/A	N/A	N/A
1-3 Years	N/A	N/A	N/A	N/A	N/A
4-6 Years 1 Participant 4 Responses	100%	0%	0%	0%	0%
7-10 Years 2 Participants 8 Responses	100%	0%	0%	0%	0%
11-20 Years	N/A	N/A	N/A	N/A	N/A
21 + Years	N/A	N/A	N/A	N/A	N/A

Appendix 9



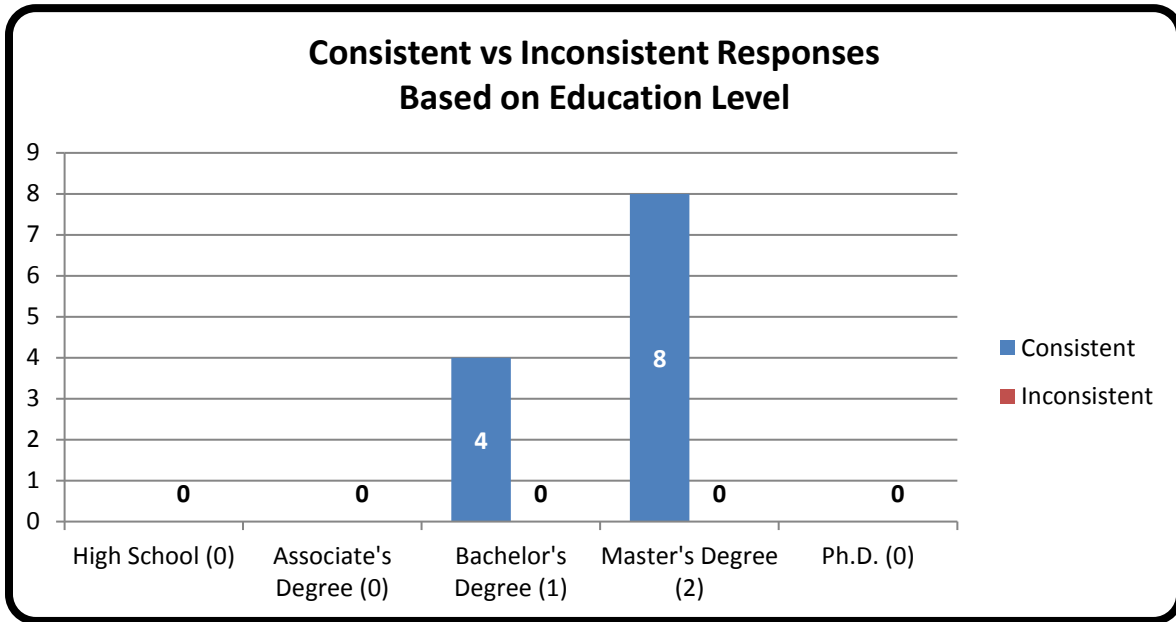
There was 1 participant who had received 201 to 400 hours of footwear/tire track training. The participant submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

There was 1 participant who had received 401 to 1,000 hours of footwear/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 footwear/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 Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
0-40 Hours	N/A	N/A	N/A	N/A	N/A
40-80 Hours	N/A	N/A	N/A	N/A	N/A
81-200 Hours	N/A	N/A	N/A	N/A	N/A
201-400 Hours 1 Participant 4 Responses	100%	0%	0%	0%	0%
401-1000 Hours 1 Participant 4 Responses	100%	0%	0%	0%	0%
1001+ Hours 1 Participant 4 Responses	100%	0%	0%	0%	0%

Appendix 10

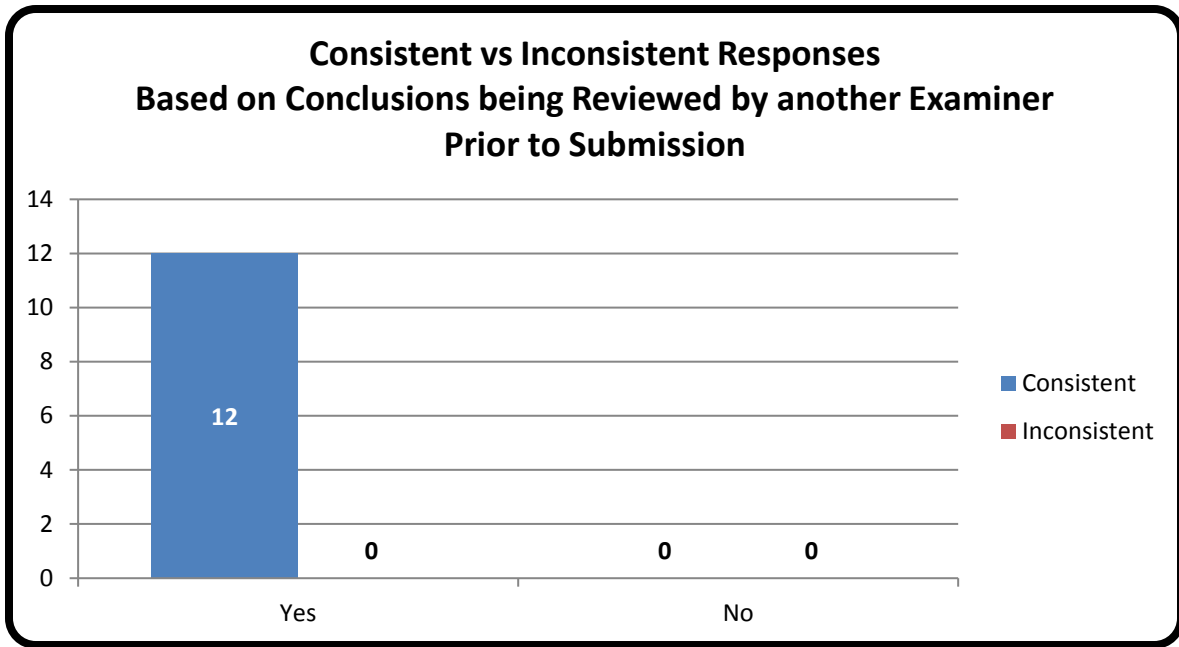


There was 1 participant who listed their highest level of education completed as bachelor’s degree. These participants submitted a total of 4 responses. Of these, all 4 responses were consistent with the assigned values (100%).

There were 2 participants who listed their highest level of education completed as master’s degree. The participants submitted a total of 8 responses. Of these, all 8 responses were consistent with the assigned values (100%).

Highest Education Level Completed	Percentage Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
High School	N/A	N/A	N/A	N/A	N/A
Associate’s Degree	N/A	N/A	N/A	N/A	N/A
Bachelor’s Degree 1 Participant 4 Responses	100%	0%	0%	0%	0%
Master’s Degree 2 Participants 8 Responses	100%	0%	0%	0%	0%
Philosophy Doctorate (PhD)	N/A	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 Consistent	Percentage of Erroneous Exclusions	Percentage of Erroneous Identifications	Percentage of Inconclusive on Exclusions	Percentage of Inconclusive on Identifications
Yes 3 Participants 12 Responses	100%	0%	0%	0%	0%
No	N/A	N/A	N/A	N/A	N/A

Appendix 12

Participant Responses Listed by Test Code

	Q-1	Q-2	Q-3	Q-4
Test Code	ID – Section A	ID - Section D	Exclusion	Exclusion
6339J17401	ID – Section A	ID - Section D	Exclusion	Exclusion
544H17401	ID – Section A	ID - Section D	Exclusion	Exclusion
9346S17401	ID – Section A	ID - Section D	Exclusion	Exclusion

Totals

Questioned Impression #	Q-1	Q-2	Q-3	Q-4
Assigned Values	ID / K-1 Sec. A	ID / K-1 Sec. D	EXC	EXC
Consistent Responses	3	3	3	3
Inconsistent Responses	0	0	0	0
Percentage of Consistent Responses	100%	100%	100%	100%


Participant’s Additional Comments

Test ID	Comments
	There were no additional comments.

Manufacturer’s Additional Observations

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

- Regardless of experience, training, certification, accreditation or employment status, no erroneous identifications or erroneous exclusions were submitted.

Authorized by: 
 Ron Smith
 President

For Further Information Proficiency Test Coordinator
Contact: 1.866.832.6772