Technical Procedure for Tire Tread Searches

1.0 Purpose - This procedure outlines how to use the Tread Assistant Database, the Tread Design Guide and the Who Makes It and Where Tire Directory.

2.0 Scope - This procedure involves the search of a database/reference source to find a possible known source of a questioned tire impression.

3.0 Definitions – N/A

4.0 Equipment, Materials and Reagents

4.1 Equipment and Materials

- Tread Assistant software
- Tread Design Guide
- Who Makes It and Where Tire Directory

4.2 Reagents - N/A

5.0 Procedure

5.1 Using Tread Assistant

5.1.1 Open the Tread Assistant software.

5.1.2 On the left hand side of the screen, enter any search criteria (vehicle type, pattern, groove count, manufacturer, etc.).

5.1.3 The images will appear on the screen. Use the scroll bar arrows to navigate through the images.

5.1.4 Once finished, close the software and turn off the computer.

5.2 Tread Design Guide

5.2.1 Use the book (or CD version) to search images of tires. Tires are categorized based on size.

5.3 Who Makes It and Where Tire Directory

5.3.1 Use the directory to search tire brand names and code numbers to determine information about the manufacturing of a known tire.

Note - The SICAR (crimeshoe.com) software has a limited database for tires (see Section Technical Procedure for SICAR and Crimeshoe.com).

5.4 Standards and Controls – N/A

5.5 Calibration – N/A

5.6 Sampling – N/A

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5.7 Calculations – N/A

5.8 Uncertainty of Measurement – N/A

6.0 Limitations – N/A

7.0 Safety – N/A

8.0 References

User's Manual for Tread Assistant program.

Who Makes it and Where - tire tread design reference (various years) located in the reference library.

Tire Tread Design Guide – tire tread design reference located in the reference library.

9.0 Records – N/A

10.0 Attachments – N/A

Revision History		
Effective Date	Version Number	Reason
09/17/2012	1	Original Document
10/31/2013	2	Added issuing authority to header