## **Technical Procedure for Tire Tread Searches**

Version 1

Effective Date: 09/17/2012

- **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

- **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.

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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		
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09/17/2012	1	Original Document