

Title of research need:		Vehicle Comparison Study		
Keywords:	Photograp	hic Comparison, Vehicle, Make, Model		
Submitting su (If SAC review		ve(s): VITAL ditional subcommittees, add them to the	Date Approved: box above.)	1/28/16
Background i 1. Description				
faces. However vehicle depicts suspect, or all VITAL subcommaking these within submit	ver, image and ted in surventernatively, mmittee required types of contited imager	ographic comparison has focused on hunalysts are often requested to compare illance video or capture images is the sadetermine the Make, Model and Year of uests a study be conducted to determinations, particularly v. ences relating to this research need:	vehicles to determine ame as a vehicle linke of the questioned vehicle the accuracy of example.	e whether a d to a cle. The miners in
2. Rey bibliog.	rupine refer	chiecs relating to this research need.		
3a. In what wa	ays would th	e research results improve current lab	oratory capabilities?	
including exp quality would	oloring error d be defined	ld explore the scientific basis for photo rates related to the quality of images. by the percentage of the imagery that ovehicle, and the number of perspective	For the purposes of the captures the vehicle of	nis study, r the number

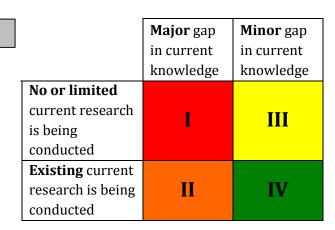
3b. In what ways would the research results improve understanding of the scientific basis for the subcommittee(s)?

The research would assist in determining which features of a vehicle are most conducive to making a vehicle comparison, as well as assisting in the determination of what "Quality" of imagery is needed for an examiner to make an accurate determination of a vehicle make, model and year. In addition, the study would assist in the determination of error rates in vehicle comparisons.

3c. In what ways would the research results improve services to the criminal justice system?

The research would help determine the probative value of vehicle comparison analysis, as well as make/model determinations for lead generation.

4. Status assessment (I, II, III, or IV):



This research need has been identified by one or more subcommittees of OSAC and is being provided as an informational resource to the community.

Subcommittee	Approval date: 1/28/16			
(Approval is by majority vote of subcommittee. Once approved, forward to SAC.)				
SAC				
1. Does the SAC agree with the research need? Yes (No (
2. Does the SAC agree with the status assessment? Yes 🗷 No 🔘				
If no, what is the status assessment of the SAC:				
Approval date: 6/15/16				
(Approval is by majority vote of SAC. Once approved, forward to NIST for posting.)				