

Title of research need:	Software Validation Repository	7	
Keywords: Software, V	Validation, Processing, Enhancem	nent, Digital Evidence	
Submitting subcommitte (If SAC review identifies add Background information 1. Description of research	ditional subcommittees, add them	Date Approved:	1/28/16
purpose, including enhand significant amounts of time has been made to standard DELs share lists of previous which propagates this previous within DELs, and a reposition of the propagates and a reposition.	ce laboratories (DELs) are requirement, processing, and analysisme to test and validate software undize the process used for testing ously validated software or informoblem. VITAL requests a study bitory be created that includes whons suggested for tested software	s. Due to this requirement, lased in analysis, however, to gand validation. Further, no mation related to their testime done on commonly used shat the software is, testing do	DELs spend o date no effort o (or few) ng procedures, software
2. Key bibliographic references relating to this research need:			
3a. In what ways would th	e research results improve curre	ent laboratory capabilities?	
-	rove current laboratory capabiliti accredited laboratories to indepe	•	

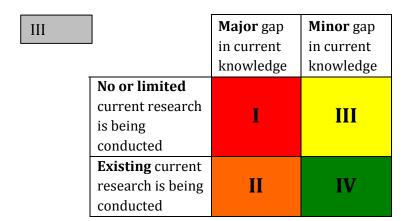
3b. In what ways would the research results improve understanding of the scientific basis for the subcommittee(s)?

Testing and validating software would improve understanding of the limitations of each software, which should help improve results of DEL examiners.

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

Due to the decreased administrative workload for examiners, additional time could be spent conducting examinations. This should allow for a reduction in backlogs, a swifter return of examinations, and a quicker implementation of novel software in scientific procedures. This would also allow for reduced challenges of software in a courtroom environment.

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.)		