OSAC RESEARCH NEEDS ASSESSMENT FORM



	021011	<u></u>				(Organization of Scientific Area Committees for Forensic Science	
Title of research need: Composite quantification of contextual decedent ID criteria								
Keyword(s): Disaster victim identification, mass fatality, identification								
Su	bmitting sub	committee	e(s):	MDI		Date Approved:	6/30/2025	
Background Information:								
1.	1. Does this research need address a gap(s) in a current or planned standard? (ex.: Field identification system for on scene opioid detection and confirmation)							
No.								
2.	2. Are you aware of any ongoing research that may address this research need that has not yet been published (e.g., research presented in conference proceedings, studies that you or a colleague have participated in but have yet to be published)?							
No.								
3. Key bibliographic references relating to this research need: (ex.: Toll, L., Standifer, K. M., Massotte, D., eds. (2019). Current Topics in Opioid Research. Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88963-180-3)								
None.								
4.	https://nij.oj	Review the annual operational/research needs published by the National Institute of Justice (NIJ) at https://nij.ojp.gov/topics/articles/forensic-science-research-and-development-technology-working-group-operational#latest ? Is your research need identified by NIJ?						
No.								
5.	In what way	s would the r	esearch	results improve	current laboratory ca	pabilities?		
cc lik (ir	onfidence assoc celihood values ncluding scars/r	ciated with co for human ch marks/tattoo	ntextual naracteris s, body lo	decedent identif stics/circumstand ocation, etc).	ications. There is a needes that are regularly us	identifiers, and thus no ed for development of p sed in support of identi	oopulation-level fication methods	

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

The research would provide quantitative support of the individualistic value of contextual identifiers.

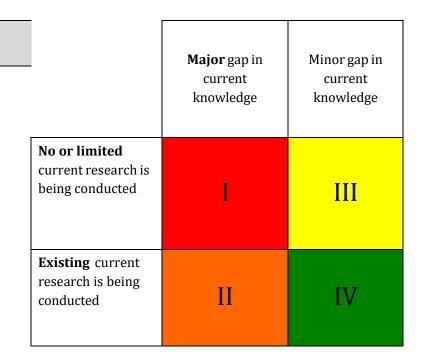
reconciliation process of a DVI response.

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

ı

The development of population-level likelihood values for human characteristics/circumstances would provide scientific support for the use of contextual identifiers for human identification.

8. 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.