OSAC RESEARCH NEEDS ASSESSMENT FORM



										Committees for Forensic Scientific A
Title of research need: Composite quantification of contextual decedent ID criteria										
Keyword(s): Disaster victim identification, mass fatality, identification										
Sul	bmitting sub	committee	e(s):	MDI			Da	ite Appr	oved:	2/28/2021
	SAC review ide		` '		ees, add th	em to the bo				, ,
Background Information:										
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.	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.	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 ways									
	nere is current confidence ass	sociated with	n context		t identifica	tions. There	is a ne	eed for de	velopme	nt of

of confidence associated with contextual decedent identifications. There is a need for development of population-level likelihood values for human characteristics/circumstances that are regularly used in support of identification methods (including scars/marks/tattoos, body location, etc).

The proposed research would help with interpretation of the various disparate identification data during the reconciliation process of a DVI response.

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.

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

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): 1 Major gap in Minor gap in current current knowledge knowledge No or limited current research is being conducted Ш **Existing** current research is being II conducted

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