OSAC Registry
FY 2021

The Organization of Scientific Area Committees (OSAC) for Forensic Science Registry is a repository of high-quality, technically sound published and proposed standards for forensic science. These written documents define minimum requirements, best practices, standard protocols, and other guidance to help ensure the results of forensic analysis are valid, reliable, and reproducible.

All the standards on the OSAC Registry have passed a rigorous technical and quality review by OSAC members, including forensic science practitioners, research scientists, statisticians, and legal experts.

The following 72 standards were effective on the OSAC Registry at the end of fiscal year 2021 (ending September 30, 2021).

ANTHROPOLOGY

Published Standard (1)

BIOLOGY/DNA

Published Standards (8)
OSAC Proposed Standards (2)
- OSAC 2020-S-0004, Standard for Interpreting, Comparing and Reporting DNA Test Results Associated with Failed Controls and Contamination Events (added June 1, 2021 and sent to ASB for further development and publication).
- OSAC 2020-N-0007, Best Practice Recommendations for the Management and Use of Quality Assurance DNA Elimination Databases in Forensic DNA Analysis (added April 6, 2021 and sent to ASB for further development and publication).

BLOODSTAIN PATTERN ANALYSIS

Published Standard (1)

CRIME SCENE INVESTIGATION & RECONSTRUCTION

OSAC Proposed Standards (2)
- OSAC 2021-N-0015, Guiding Principles for Scene Investigation and Reconstruction (added September 7, 2021 and sent to ASB for further development and publication).
- OSAC 2021-N-0016, Standard for Initial Response at Scenes by Law Enforcement (added September 7, 2021 and sent to ASB for further development and publication).

DIGITAL EVIDENCE

Published Standards (3)

DOGS & SENSORS

Published Standard (1)

FACIAL IDENTIFICATION

Published Standards (3)
OSAC Proposed Standard (1)
- OSAC 2020-S-0002, Physical Stability of Facial Features of Adults (added June 1, 2021 and sent to ASTM for further development and publication).
  - This is an annex to the published standard, ASTM E3149-18 Standard Guide for Facial Image Comparison Feature List for Morphological Analysis, listed above.

FIRE & EXPLOSION INVESTIGATION

Published Standards (2)

FIRE DEBRIS

Published Standards (6)
- ASTM E1388-17 Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples (added December 1, 2020).
- ASTM E1413-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbent Tube (added December 1, 2020).
- ASTM E3189-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Static Headspace Concentration onto an Adsorbent Tube (added December 1, 2020).

FIREARMS & TOOLMARKS

Published Standard (1)

FOOTWEAR & TIRE

Published Standards (2)
GUNSHOT RESIDUE ANALYSIS

Published Standard (1)

MEDICOLEGAL DEATH INVESTIGATION

Published Standards (3)

OSAC Proposed Standards (2)
- OSAC 2021-N-0007, Media Communications Following a Mass Fatality Incident: Best Practice Recommendations for the Medicolegal Authority (added August 3, 2021).

ODONTOLOGY

Published Standards (2)
- ADA 1088-2017D Human Identification by Comparative Dental Analysis (effective March 7, 2019).
- ANSI/ADA 1058-2010D Forensic Dental Data Set (effective February 14, 2019).

SEIZED DRUGS

Published Standards (6)
- ASTM E2548-16 Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (added June 1, 2021). NOTE: This version replaced ASTM E2548-11e1 that was previously on the Registry.
TOXICOLOGY

Published Standards (4)


TRACE EVIDENCE

Published Standards (10)


WILDLIFE FORENSICS

Published Standards (4)

OSAC Proposed Standard (1)

- OSAC 2021-N-0001, *Wildlife Forensics Method-Collection of Known DNA Samples from Domestic Mammals* (added April 6, 2021 and sent to ASB for further development and publication).

**INTERDISCIPLINARY**

**Published Standards (6)**

- ISO 21043-2 Forensic Sciences - Part 2: Recognition, recording, collecting transport and storage of items (added December 3, 2019).