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 108 standards were effective on the OSAC Registry at the end of fiscal year 2022 (ending September 30, 2022).

**ANTHROPOLOGY**

**Published Standard (1):**

**BIOLOGY/DNA**

**Published Standards (11):**
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).

BLOODSTAIN PATTERN ANALYSIS

Published Standards (1):

OSAC Proposed Standards (1):
- OSAC 2021-N-0039, Standard for a Mentorship Program in Bloodstain Pattern Analysis (added April 5, 2022).

CRIME SCENE INVESTIGATION & RECONSTRUCTION

OSAC Proposed Standards (2):

DIGITAL EVIDENCE

Published Standards (3):
  - NOTE: This document drafted in collaboration with OSAC’s Digital Evidence, Facial Identification, and VITAL Subcommittees.

DOGS & SENSORS

Published Standards (3):

FACIAL IDENTIFICATION

Published Standards (4):
  - NOTE: This document drafted in collaboration with OSAC’s Digital Evidence, Facial Identification, and VITAL Subcommittees.
• ASTM E3148-18 *Standard Guide for Postmortem Facial Image Capture* (added October 1, 2019).

**OSAC Proposed Standards (1):**

  
  NOTE: 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):**

  
  NOTE: This version replaced 921:2017 previously on the Registry.

• NFPA 1033:2022 *Standard for Professional Qualifications for Fire Investigator* (added September 6, 2022).
  
  NOTE: This version replaced 1033:2014 previously on the Registry.

**FIRE DEBRIS & EXPLOSIVES**

**Published Standards (10):**

• ASTM E1388-17 *Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples* (added December 1, 2020).
• ASTM E1412-19 *Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Activated Charcoal* (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 E2451-21 *Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples* (added April 5, 2022).
• 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).
• ASTM E3196-21 *Standard Terminology Relating to the Examination of Explosives* (added July 5, 2022).
• ASTM E3197-20 *Standard Terminology Relating to Examination of Fire Debris* (added April 6, 2021).
• ASTM E3253-21 *Standard Practice for Establishing an Examination Scheme for Intact Explosives* (added July 5, 2022).
• ASTM E3329-21 *Standard Practice for Establishing an Examination Scheme for Explosive Residues* (added July 5, 2022).
FIREARMS & TOOLMARKS

Published Standards (5):

FOOTWEAR & TIRE

Published Standards (2):

FRICTION RIDGE

Published Standards (1):
  - NOTE: This document was drafted by OSAC’s Video/Imaging Technology & Analysis Subcommittee.

OSAC Proposed Standards (3):

GUNSHOT RESIDUE ANALYSIS

Published Standards (2):

OSAC Proposed Standards (1):
MEDICOLEGAL DEATH INVESTIGATION

Published Standards (5):

OSAC Proposed Standards (3):
- OSAC 2021-N-0007, Media Communications Following a Mass Fatality Incident: Best Practice Recommendations for the Medicolegal Authority (added August 3, 2021).
- OSAC 2022-N-0026, Medicolegal Death Investigation: Terms and Definitions (added September 6, 2022).

ODONTOLOGY

Published Standards (3):
- ANSI/ADA 1058-2010D Forensic Dental Data Set (added February 14, 2019).
- ADA 1077-2020 Human Age Assessment by Dental Analysis (added November 2, 2021).
- ADA 1088-2017D Human Identification by Comparative Dental Analysis (added March 7, 2019).

OSAC Proposed Standards (1):
- OSAC 2021-N-0030, Terminology for a Suspected Pattern of Dental Origin (added April 5, 2022).

SEIZED DRUGS

Published Standards (7):
- ASTM E2548-16 Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis (added June 1, 2021).
**TOXICOLOGY**

**Published Standards (9):**

**OSAC Proposed Standards (1):**

**TRACE EVIDENCE**

**Published Standards (12):**
VIDEO/IMAGING TECHNOLOGY & ANALYSIS

Published Standards (2):
  - NOTE: This document drafted in collaboration with OSAC’s Digital Evidence, Facial Identification, and VITAL Subcommittees.

OSAC Proposed Standards (2):

WILDLIFE FORENSICS

Published Standards (4):

OSAC Proposed Standards (2):

INTERDISCIPLINARY

Published Standards (6):