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| **Interdisciplinary Standards** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/NIST ITL-1:2011 (Update 2015), *Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information* | added Nov 3, 2020 |  |  |  |  |  |
| 2. | ANSI/ASTM E2917-19a, *Standard Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs* | added Nov 5, 2019 |  |  |  |  |  |
| 3. | ANSI/ASTM E3255-21, *Standard Practice for Quality Assurance of Forensic Science Service Providers Performing Forensic Chemical Analysis* | added Nov 2, 2021 |  |  |  |  |  |
| 4. | ISO/IEC 17020:2012, *Conformity Assessment—Requirements for the Operation of Various Types of Bodies Performing Inspection* | added Apr 17, 2017 |  |  |  |  |  |
| 5. | ISO/IEC 17025:2017, *General Requirements for the Competence of Testing and Calibration Laboratories* | added Jan 18, 2019 |  |  |  |  |  |
| 6. | ISO/IEC 21043-2, *Forensic Sciences - Part 2: Recognition, recording, collecting transport and storage of items* | added Dec 3, 2019 |  |  |  |  |  |

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| **Anthropology** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Best Practice Recommendation 089, *Facial Approximation in Forensic Anthropology.* 2020. 1st. Ed. | added Sept 7, 2021 |  |  |  |  |  |
| 2. | OSAC 2021-N-0010, *Standard for Skeletal Preparation and Sampling in Forensic Anthropology* | added Nov 7, 2023 |  |  |  |  |  |

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| **Biology/DNA** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 018, *Standard for Validation of Probabilistic Genotyping Systems.* 2020. 1st. Ed. | added May 4, 2021 |  |  |  |  |  |
| 2. | ANSI/ASB Standard 020, *Standard for Validation Studies of DNA Mixtures, and Development and Verification of a Laboratory’s Mixture Interpretation Protocol.* 2018. 1st. Ed.| added May 12, 2020 |  |  |  |  |  |
| 3. | ANSI/ASB Standard 022, *Standard for Forensic DNA Analysis Training Programs.* 2019. 1st. Ed. | added Sept 1, 2020 |  |  |  |  |  |
| 4. | ANSI/ASB Standard 023, *Standard for Training in Forensic DNA Isolation and Purification Methods.* 2020. 1st. Ed. | added Aug 3, 2021 |  |  |  |  |  |
| 5.  | ANSI/ASB Standard 038, *Standard for Internal Validation of Forensic DNA Analysis Methods.* 2020. 1st. Ed. | added May 2, 2023 |  |  |  |  |  |
| 6.  | ANSI/ASB Standard 040, *Standard for Forensic DNA Interpretation and Comparison Protocols.* 2019. 1st. Ed. \ added May 12, 2020 |  |  |  |  |  |
| 7.  | ANSI/ASB Standard 077, *Standard for the Developmental and Internal Validation of Forensic Serological Methods.* 2020. 1st. Ed. | added Dec 6, 2022 |  |  |  |  |  |
| 8. | ANSI/ASB Standard 110, *Standards for Training in Forensic Serological Methods.* 2020. 1st. Ed. | added Aug 3, 2021 |  |  |  |  |  |
| 9.  | ANSI/ASB Best Practice Recommendation 114, *Internal Validation of Software Used in Forensic DNA Laboratories.* 2022. 1st. Ed. | added Nov 7, 2023 |  |  |  |  |  |
| 10.  | ANSI/ASB Standard 115, *Standard for Training in Forensic Short Tandem Repeat Typing Methods Using Amplification, DNA Separation, and Allele Detection.* 2020. 1st. Ed. | added Aug 3, 2021 |  |  |  |  |  |
| 11.  | ANSI/ASB Standard 116, *Standard for Training in Forensic DNA Quantification Methods.* 2020. 1st. Ed. | added Aug 3, 2021 |  |  |  |  |  |
| 12.  | ANSI/ASB Standard 123, Standard for Routine Internal Evaluation of a Laboratory’s DNA Interpretation and Comparison Protocol | added July 2, 2024 |  |  |  |  |  |
| 13. | ANSI/ASB Standard 130, *Standard for Training in Forensic DNA Amplification Methods for Subsequent Capillary Electrophoresis Sequencing.* 2021. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 14.  | ANSI/ASB Standard 131, *Standard for Training in Forensic DNA Sequencing Using Capillary Electrophoresis.* 2021. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 15.  | ANSI/ASB Standard 140, *Standard for Training in Forensic Human Mitochondrial DNA Analysis, Interpretation, Comparison, Statistical Evaluation, and Reporting.* 2021. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 16.  | OSAC 2020-N-0007, *Best Practice Recommendations for the Management and Use of Quality Assurance DNA Elimination Databases in Forensic DNA Analysis* | added Apr 6, 2021 |  |  |  |  |  |
| 17. | OSAC 2020-S-0004, *Standard for Interpreting, Comparing and Reporting DNA Test Results Associated with Failed Controls and Contamination Events* | added Jun 1, 2021 |  |  |  |  |  |
| 18.  | OSAC 2021-S-0003, *Standards for Setting Analytical and Stochastic Thresholds for Application to Forensic DNA Casework Using Electrophoresis Platforms* | added Nov 7, 2023 |  |  |  |  |  |
| 19.  | OSAC 2021-S-0021, *Forensic Autosomal STR DNA Statistical Analyses – General Protocol, Protocol Verification, and Case Record Requirements* | added Jan 5, 2023 |  |  |  |  |  |
| 20. | OSAC 2021-S-0028, *Standard for Use of Serological Testing Methods Associated with Forensic Investigations* | added Nov 1, 2022 |  |  |  |  |  |
| 21. | OSAC 2021-S-0029, *Standard for Familial DNA Searching* | added Jan 5, 2023 |  |  |  |  |  |
| **Bloodstain Pattern Analysis** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 032, *Standards for a Bloodstain Pattern Analyst's Training Program.* 2020. 1st. Ed. | added Jan 5, 2023 |  |  |  |  |  |
| 2. | ASB Technical Report 033, *Terms and Definitions in Bloodstain Pattern Analysis.* 2017. 1st. Ed. | added Jun 3, 2020 |  |  |  |  |  |
| 3.  | ANSI/ASB Standard 157, *Required Components for a Proficiency Testing Program in Bloodstain Pattern Analysis*. 2023. 1st. Ed. | added Apr 2, 2024 |  |  |  |  |  |
| 4.  | ANSI/ASB Standard 158, *Standard for Developing Standard Operating Procedures in Bloodstain Pattern Analysis*. 2023. 1st. Ed. | added Nov 7, 2023 |  |  |  |  |  |
| 5.  | OSAC 2021-N-0039, *Standard for a Mentorship Program in Bloodstain Pattern Analysis* | added Apr 5, 2022 |  |  |  |  |  |
| 6.  | OSAC 2021-S-0011, *Standards for the Technical Review of Bloodstain Pattern Analysis Reporting* | added Apr 4, 2023 |  |  |  |  |  |
| 7. | OSAC 2022-N-0010, *Standard for Development of an Accredited Bloodstain Pattern Analyst Certification Program* | added Dec 6, 2022 |  |  |  |  |  |
| 8.  | OSAC 2022-S-0030, *Standard for Methodology for Bloodstain Pattern Analysis* | added Jul 5, 2023 |  |  |  |  |  |

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| **Crime Scene Investigation & Reconstruction** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 159, *Standard for Scene Investigation and Reconstruction - Foundational Principles*. 2024. 1st. Ed. | added Apr 2, 2024 | NOTE: This SDO published standard replaced OSAC 2021-N-0015 on the Registry.  |  |  |  |  |  |
| 2. | ANSI/ASB Standard 160, *Best Practice Recommendation for Initial Response at Scenes by Law Enforcement Officers*. 2024. 1st. Ed. | added Apr 2, 2024 |NOTE: This SDO published standard replaced OSAC 2021-N-0016 on the Registry.  |  |  |  |  |  |
| 3.  | OSAC 2021-N-0018, *Standard for On-Scene Collection and Preservation of Physical Evidence* | added Feb 6, 2024 |  |  |  |  |  |
| 4.  | OSAC 2021-N-0019, *Standard Practice for the Documentation and Processing of Shooting Scenes* | added Nov 1, 2022 |  |  |  |  |  |
| 5.  | OSAC 2022-N-0025, *Standard for Scene Response: Initial Response by Scene Investigators* | added Oct 4, 2022 |  |  |  |  |  |
| 6.  | OSAC 2022-N-0035, *Standard for On-Scene Collection and Preservation of Document Evidence* | added Jan 5, 2023 |  |  |  |  |  |
| 7. | OSAC 2022-S-0036, *Standard Method for the Chemical Testing of Suspected Projectile Impacts for Copper and Lead* | added Apr 2, 2024 |  |  |  |  |  |
| 8.  | OSAC 2022-N-0039, *Standard for the Collection and Preservation of Entomological Evidence from a Terrestrial Environment* | added May 7, 2024 |  |  |  |  |  |
| 9. | OSAC 2023-N-0002, *Standard for Scene Documentation Procedures* | added Jan 3, 2024 |  |  |  |  |  |
| 10. | OSAC 2023-N-0003, Standard for Diagramming Scenes | added July 2, 2024 |  |  |  |  |  |

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| **Digital Evidence** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E2916-19e1, *Standard Terminology for Digital and Multimedia Evidence Examination* | added Jul 7, 2020 (Note: Drafted in collaboration with OSAC's Facial Identification and VITAL Subcommittees and also noted below under these headings) |  |  |  |  |  |
| 2. | ANSI/ASTM E3017-19, *Standard Practice for Examining Magnetic Card Readers* | added Jul 7, 2020 |  |  |  |  |  |
| 3. | ANSI/ASTM E3150-18 (23), *Standard Guide for Forensic Audio Lab Setup and Maintenance* | added Apr 2, 2024 |  |  |  |  |  |
| 4.  | SWGDE 18-Q-001-1.0, *Minimum Requirements for Testing Tools Used in Digital and Multimedia Forensics* | added Jun 6, 2023 |  |  |  |  |  |

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| **Dogs & Sensors** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 024, *Standard for Training and Certification of Canine Detection of Humans: Location Check Using Pre‐scented Canines.* 2021. 1st. Ed. | added Oct 3, 2023 |  |  |  |  |  |
| 2. | ASB Technical Report 025, *Crime Scene/Death Investigation - Dogs and Sensors - Terms and Definitions.* 2017. 1st. Ed. | Oct 1, 2019 |  |  |  |  |  |
| 3. | ANSI/ASB Standard 026, *Standard for Training and Certification of Canine Detection of Humans: An Aged Trail Using Pre-scented Canines.* 2021. 1st. Ed. | added Oct 3, 2023 |  |  |  |  |  |
| 4. | ANSI/ASB Standard 027, *Standard for Training and Certification of Canine Detection of Humans: Patrol Canine Team.* 2021. 1st. Ed. | added Oct 3, 2023 |  |  |  |  |  |
| 5. | ANSI/ASB Standard 085, *Standard for Detection Canine Selection, Kenneling, and Healthcare.* 2021. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 6. | ANSI/ASB Standard 088, *General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines.* 2020. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 7. | ANSI/ASB Standard 092, *Standard for Training and Certification of Canine Detection of Explosives.* 2021. 1st. Ed. | added Dec 6, 2022 |  |  |  |  |  |

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| **Facial & Iris Identification** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E2916-19e1, *Standard Terminology for Digital and Multimedia Evidence Examination* (Note: Drafted in collaboration with OSAC's Digital Evidence & VITAL Subcommittees and also noted under these headings) | added Jul 7, 2020 |  |  |  |  |  |
| 2.  | ANSI/ASTM E3115-17(23), *Standard Guide for Capturing Facial Images for Use with Facial Recognition Systems* | added Apr 2, 2024 |  |  |  |  |  |
| 3. | ANSI/ASTM E3148-18, *Standard Guide for Postmortem Facial Image Capture* | added Oct 1, 2019 |  |  |  |  |  |
| 4. | ANSI/ASTM E3149-18, *Standard Guide for Facial Image Comparison Feature List for Morphological Analysis* | added Feb 14, 2019 |  |  |  |  |  |
| 5. | OSAC 2020-S-0002, *Physical Stability of Facial Features of Adults* | added Jun 1, 2021(Note: This is an annex to ASTM E3149-18, above) |  |  |  |  |  |
| 6.  | OSAC 2021-N-0025, *Standard Guide for Printing Method Effects of Facial Comparisons* | added May 2, 2023 |  |  |  |  |  |
| 7. | OSAC 2021-N-0035, *Standard Guide for Scanning Facial Images for Manual Comparison* | added Oct 4, 2022 |  |  |  |  |  |
| 8. | OSAC 2022-S-0001, *Standard Guide for Image Comparison Opinions* | added Jun 6, 2023 |  |  |  |  |  |
| 9. | OSAC 2022-S-0007, *Standard Guide for Facial Comparison: Overview and Methodology Guidelines* | added Dec 6, 2022 |  |  |  |  |  |
| 10. | OSAC 2022-S-0008, *Standard Guide for Minimum Facial Image Comparison Documentation* | added Feb 6, 2024 |  |  |  |  |  |

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| **Fire & Explosion Investigation** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | NFPA 921:2021, *Guide for Fire and Explosion Investigation* | added Seb 6, 2022NOTE: This 2021 version replaced the previous 2017 version on the Registry. |  |  |  |  |  |
| 2. | NFPA 1033:2022, *Standard for Professional Qualifications for Fire Investigator* | added Sep 6, 2022NOTE: This 2022 version replaced the previous 2014 version on the Registry. |  |  |  |  |  |

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| **Fire Debris & Explosives** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E1388-17, *Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples* | added Dec 1, 2020 |  |  |  |  |  |
| 2.  | ANSI/ASTM E1412-19, *Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Activated Charcoal* | added Dec 1, 2020 |  |  |  |  |  |
| 3. | ANSI/ASTM E1413-19, *Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbent Tube* | added Dec 1, 2020 |  |  |  |  |  |
| 4. | ANSI/ASTM E2451-21, *Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples* \ added Apr 1, 2022 |  |  |  |  |  |
| 5. | ANSI/ASTM E3189-19, *Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Static Headspace Concentration onto an Adsorbent Tube* | added Dec 1, 2020 |  |  |  |  |  |
| 6. | ANSI/ASTM E3196-21, *Standard Terminology Relating to the Examination of Explosives* | added Jul 5, 2022 |  |  |  |  |  |
| 7. | ANSI/ASTM E3197-20, *Standard Terminology Relating to Examination of Fire Debris* | added Apr 6, 2021 |  |  |  |  |  |
| 8. | ANSI/ASTM E3245-20e1, *Standard Guide for Systematic Approach to the Extraction, Analysis, and Classification of Ignitable Liquids and Ignitable Liquid Residues in Fire Debris Samples* | Added Apr 4, 2021 |  |  |  |  |  |
| 9. | ANSI/ASTM E3253-21, *Standard Practice for Establishing an Examination Scheme for Intact Explosives* | added Jul 5, 2022 |  |  |  |  |  |
| 10. | ANSI/ASTM E3329-21, *Standard Practice for Establishing an Examination Scheme for Explosive Residues* | added Jul 5, 2022 |  |  |  |  |  |
| 11. | OSAC 2022-S-0023, *Standard Practice for the Forensic Analysis of Explosives by Polarized Light Microscopy* | added July 5, 2023 |  |  |  |  |  |

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| **Firearms & Toolmarks** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Best Practice Recommendation 060, *Barrel and Overall Length Measurements of Firearms.* 2021. 1st. Ed. | added May 2, 2023 |  |  |  |  |  |
| 2. | ANSI/ASB Standard 061, *Firearms and Toolmarks 3D Measurement Systems and Measurement Quality Control.* 2021. 1st. Ed. | added Mar 1, 2022 |  |  |  |  |  |
| 3. | ANSI/ASB Standard 062, *Standard for Topography Comparison Software for Toolmark Analysis.* 2021.1st. Ed. | added Aug 2, 2022 |  |  |  |  |  |
| 4. | ANSI/ASB Standard 063, *Implementation of 3D Technologies in Forensic Firearm and Toolmark Comparison Laboratories.* 2021. 1st. Ed. | added Aug 2, 2022 |  |  |  |  |  |
| 5. | ANSI/ASB Best Practice Recommendation 068, *Safe Handling of Firearms and Ammunition.* 2020. 1st. Ed. | added Apr 6, 2021 |  |  |  |  |  |
| 6. | ANSI/ASB Standard 093, *Standard Test Method for the Forensic Examination and Testing of Firearms.* 2020. 1st. Ed. | added Nov 2, 2021 |  |  |  |  |  |
| 7.  | ANSI/ASB Standard 096, *Standard Method for the Examination and Documentation of Ammunition and Ammunition Components*. 2022. 1st. Ed. | added Oct 3, 2023 |  |  |  |  |  |
| 8.  | ANSI/ASB Best Practice Recommendation 107, *Measuring Trigger Pull of a Firearm and Estimating Its Uncertainty.* 2022. 1st. Ed. | added Sept 5, 2023 |  |  |  |  |  |
| 9. | ANSI/ASB Standard 162, Standard Method for the Forensic Examination and Documentation of Non-Firearm Tools and Toolmarks | added July 2, 2024 |  |  |  |  |  |
| 10. | OSAC 2021-N-0012, *Requirements and Recommendations for a Firearm and Toolmark Examiner Training Program* | added Oct 4, 2022 |  |  |  |  |  |

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| **Footwear & Tire** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Best Practice Recommendation 021, *Test Impressions from Footwear and Tires.* 2019. 1st. Ed. | added May 4, 2021 |  |  |  |  |  |
| 2. | ANSI/ASB Best Practice Recommendation 049, *Lifting of Footwear and Tire Impressions.* 2020. 1st. Ed. | added Sept 7, 2021 |  |  |  |  |  |
| 3. | ANSI/ASB Best Practice Recommendation 050, *Photographic Documentation of Footwear and Tire Impression Evidence.* 2021. Errata 1, 2022. | added Sept 5, 2023 |  |  |  |  |  |
| 4. | ANSI/ASB Technical Report 051, *Scope of Work for a Footwear/Tire Examiner*. 2020. Errata 1, 2022. | added Oct 3, 2023 |  |  |  |  |  |
| 5. | ANSI/ASB Best Practice Recommendation 052, Best Practice Recommendation for the Detection and Collection of Footwear and Tire Impression Evidence. 2022. 1st. Ed. | added July 5, 2023 |  |  |  |  |  |
| 6. | ANSI/ASB Standard 095, *Standard for Minimum Qualifications and Training for a Footwear/Tire FSSP*. 2020. Errata 1, 2022. | added Oct 3, 2023 |  |  |  |  |  |
| 7. | ANSI/ASB Best Practice Recommendation 126, *Casting Footwear and Tire Impression Evidence at the Crime Scene.* 2020. Errata 1, 2022. | added Apr 4, 2023 |  |  |  |  |  |

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| **Forensic Document Examination** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 011, *Scope of Expertise in Forensic Document Examination.* 2022. 1st. Ed. | added Apr 4, 2023 |  |  |  |  |  |
| 2. | ANSI/ASB Standard 044, *Standard for Examination of Documents for Indentations.* 2019. 1st. Ed. | added Sept 5, 2023 |  |  |  |  |  |
| 3. | ANSI/ASB Standard 128, Standard for the Preservation and Examination of Liquid Soaked Documents | added July 2, 2024 |  |  |  |  |  |
| 4.  | OSAC 2022-S-0034, *Standard for the Expression of Source Opinions in Forensic Document Examination* | added July 2, 2024 |  |  |  |  |  |

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| **Friction Ridge** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Best Practice Recommendation 142, *Resolution of Conflicts in Friction Ridge Examination*. 2022. 1st. Ed. | added Feb 6, 2024 |  |  |  |  |  |
| 2. | ANSI/ASTM E3235-21, *Standard Practice for Latent Print Evidence Imaging Resolution* | added Jun 7, 2022(Note: This standard was drafted by the Video/Imaging Technology & Analysis Subcommittee and is also included under that section below) |  |  |  |  |  |
| 3. | [ANSI/ASB Standard 145-23,](https://www.aafs.org/asb-standard/standard-consultation-during-friction-ridge-examination) Standard for Consultation During Friction Ridge Examination | added July 2, 2024 |  |  |  |  |  |
| 4. | OSAC 2021-N-0020, *Best Practice Recommendations for Limited Examinations* | added Apr 5, 2022 |  |  |  |  |  |
| 5. | OSAC 2022-N-0033, *Standard for Processing Evidence for the Detection of Friction Ridge Impressions* | added Sept 6, 2022 |  |  |  |  |  |
| 6. | OSAC 2022-S-0012, *Standard for Proficiency Testing in Friction Ridge Examination* | added Jun 7, 2022 |  |  |  |  |  |
| 7. | OSAC 2022-S-0038, *Standard for Feature Selection in Friction Ridge Examination* | added Sept 5, 2023 |  |  |  |  |  |

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| **Gunshot Residue** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E1588-20, *Standard Practice for Gunshot Residue Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry* | added Sept 7, 2021 |  |  |  |  |  |
| 2. | ANSI/ASTM E3309-21, *Standard Guide for Reporting of Forensic Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS)* | added Sept 6, 2022 |  |  |  |  |  |
| 3. | OSAC 2021-N-0009, *Standard Practice for the Collection and Preservation of Organic Gunshot Residue* | added Dec 7, 2021 |  |  |  |  |  |
| 4. | OSAC 2022-S-0002, *Standard Practice for the Identification of Compounds Related to Organic Gunshot Residue (OGSR) by Gas Chromatography-Mass Spectrometry (GC-MS)* | added Jan 5, 2023 |  |  |  |  |  |
| 5. | OSAC 2022-S-0003, *Standard Practice for the Identification of Compounds Related to Organic Gunshot Residue (OGSR) by Liquid Chromatography-Mass Spectrometry (LC-MS)* | added Jan 5, 2023 |  |  |  |  |  |
| 6. | OSAC 2023-N-0010, *Standard Practice for the Collection of Primer Gunshot Residue (pGSR) Particles from Clothing, Vehicles, and Other Inanimate Objects Using Scanning Electron Microscopy (SEM) Stubs* | added Nov 7, 2023 |  |  |  |  |  |

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| **Medicolegal Death Investigation** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Best Practice Recommendation 007, *Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System Databases.* 2018. 1st. Ed. | added Sept 5, 2019 |  |  |  |  |  |
| 2. | ANSI/ASB Best Practice Recommendation 008, *Mass Fatality Scene Processing: Best Practice Recommendations for the Medicolegal Authority.* 2021. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 3. | ANSI/ASB Best Practice Recommendation 009, *Examination of Human Remains by Forensic Pathologists in the Disaster Victim Identification Context.* 2019. 1st. Ed. | added Sept 7, 2021 |  |  |  |  |  |
| 4. | ANSI/ASB Best Practice Recommendation 010, *Forensic Anthropology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority.* 2018. 1st. Ed. | added Sept 5, 2019 |  |  |  |  |  |
| 5. | ANSI/ASB Best Practice Recommendation 094, *Postmortem Impression Recovery: Guidance and Best Practices for Disaster Victim Identification.* 2021. 1st. Ed. | added Apr 5, 2022 |  |  |  |  |  |
| 6. | ANSI/ASB Standard 108, *Forensic Odontology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority.* 2021. 1st. Ed. | added Oct 4, 2022 |  |  |  |  |  |
| 7. | ANSI/ASB Standard 125, *Organizational and Foundational Standard for Medicolegal Death Investigation.* 2021. 1st. Ed. | Oct 4, 2022 |  |  |  |  |  |
| 8. | OSAC 2021-N-0007, *Media Communications Following a Mass Fatality Incident: Best Practice Recommendations for the Medicolegal Authority* | added Aug 3, 2021 |  |  |  |  |  |
| 9. | OSAC 2021-N-0008, *Victim Accounting: Best Practice Recommendations for Medicolegal Authorities in Mass Fatality Management* | added Aug 3, 2021 |  |  |  |  |  |
| 10. | OSAC 2022-N-0020, *Standard for Mass Fatality Incident Management* | added Jan 5, 2023 |  |  |  |  |  |
| 11.  | OSAC 2022-N-0021, *Family Engagement Following a Mass Fatality Incident: Victim Information Center Best Practice Recommendations for Medicolegal Authority* | added Apr 2, 2024 |  |  |  |  |  |
| 12. | OSAC 2022-N-0026, *Medicolegal Death Investigation: Terms and Definitions* | added Sept 6, 2022 |  |  |  |  |  |
| 13.  | OSAC 2022-N-0027, *Medicolegal Death Investigation Response to Death Locations and Incident Scenes: Best Practice Recommendations* | added Nov 1, 2022 |  |  |  |  |  |
| 14.  | OSAC 2022-S-0022, *Standard for Disaster Victim Identification* | May 7, 2024 |  |  |  |  |  |
| 15. | OSAC 2023-N-0004, *Standard for Interactions Between Medical Examiner, Coroner and All Other Medicolegal Death Investigation Agencies and Organ and Tissue Procurement Organizations and Eye Banks* | added Mar 7, 2023 |  |  |  |  |  |
| 16. | OSAC 2023-N-0022, *Best Practice Recommendation for Communicating with Next of Kin during Medicolegal Death Investigations* | added Sept 5, 2023 |  |  |  |  |  |
| 17. | OSAC 2024-N-0008, Mass Fatality Incident Data Management: Best Practice Recommendations for the Medicolegal Authority | added July 2, 2024 |  |  |  |  |  |

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| **Forensic Odontology** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ADA 1058-2010D, *Forensic Dental Data Set* | added 14, 2019 |  |  |  |  |  |
| 2. | ADA 1077-2020, *Human Age Assessment by Dental Analysis* | added Nov 2, 2021 |  |  |  |  |  |
| 3. | ADA 1088-2017D, *Human Identification by Comparative Dental Analysis* | added Mar 7, 2019 |  |  |  |  |  |
| 4. | OSAC 2021-N-0030, *Terminology for a Suspected Pattern of Dental Origin* | added Apr 5, 2022 |  |  |  |  |  |

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| **Seized Drugs** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E1968-19, *Standard Practice for Microcrystal Testing in Forensic Analysis for Cocaine* | added Jul 6, 2021 |  |  |  |  |  |
| 2. | ANSI/ASTM E1969-19, *Standard Practice for Microcrystal Testing in Forensic Analysis for Methamphetamine and Amphetamine* | added Jul 6, 2021 |  |  |  |  |  |
| 3. | ANSI/ASTM E2125-19, *Standard Practice for Microcrystal Testing in Forensic Analysis for Phencyclidine and its Analogues* | added Jul 6, 2021 |  |  |  |  |  |
| 4. | ANSI/ASTM E2329-17, *Standard Practice for Identification of Seized Drugs* | added Aug 7, 2018 |  |  |  |  |  |
| 5. | ANSI/ASTM E2548-16, *Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis* | added Jun 1, 2021. NOTE: The 2016 version replaced the previous 2011 version on the Registry. |  |  |  |  |  |
| 6.  | ANSI/ASTM E2882-19, *Standard Guide for Analysis of Clandestine Drug Laboratory Evidence* | added Jul 6, 2021 |  |  |  |  |  |
| 7. | ANSI/ASTM E3255-21, *Standard Practice for Quality Assurance of Forensic Science Service Providers Performing Forensic Chemical Analysis* | added Nov 2, 2021 |  |  |  |  |  |
| 8. | OSAC 2022-S-0013, *Standard Guide for Testimony in Seized Drugs Analysis* | added Dec 6, 2022 |  |  |  |  |  |

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| **Speaker Recognition** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | AES 76-2022, *AES Standards for Audio Forensics - Speech Collection Guidelines for Speaker Recognition: Interviewing at a Temporary Location* | added May 2, 2023 |  |  |  |  |  |

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| **Toxicology** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 017, *Standard Practices for Measurement Traceability in Forensic Toxicology.* 2018. 1st. Ed. | added Jun 18, 2019 |  |  |  |  |  |
| 2. | ANSI/ASB Standard 036, *Standard Practices for Method Validation in Forensic Toxicology.* 2019. 1st. Ed. | added Jul 7, 2020 |  |  |  |  |  |
| 3. | ANSI/ASB Best Practice Recommendation 037, *Guidelines for Opinions and Testimony in Forensic Toxicology.* 2019. 1st. Ed. | added Nov 5, 2019 |  |  |  |  |  |
| 4. | ANSI/ASB Standard 053, *Standard for Report Content in Forensic Toxicology.* 2020. 1st. Ed. | added Mar 2, 2021 |  |  |  |  |  |
| 5. | ANSI/ASB Standard 054, *Standard for a Quality Control Program in Forensic Toxicology Laboratories.* 2021. 1st. Ed. | added Sept 6, 2022 |  |  |  |  |  |
| 6. | ANSI/ASB Standard 098, *Standard for Mass Spectral Analysis in Forensic Toxicology*. 2023. 1st. Ed. | added Nov 7, 2023 |  |  |  |  |  |
| 7. | ANSI/ASB Standard 113, *Standard for Identification Criteria in Forensic Toxicology*. 2023. 1st. Ed. | added Nov 7, 2023 |  |  |  |  |  |
| 8.  | ANSI/ASB Standard 119, *Standard for the Analytical Scope and Sensitivity of Forensic Toxicological Testing of Blood in Medicolegal Death Investigations.* 2021. 1st. Ed. | added Sept 6, 2022 |  |  |  |  |  |
| 9. | ANSI/ASB Standard 120, *Standard for the Analytical Scope and Sensitivity of Forensic Toxicological Testing of Blood in Impaired Driving Investigations.* 2021. 1st. Ed. | added Sept 6, 2022 |  |  |  |  |  |
| 10. | ANSI/ASB Standard 121, *Standard for the Analytical Scope and Sensitivity of Forensic Toxicological Testing of Urine in Drug-Facilitated Crime Investigations.* 2021. 1st. Ed. | added May 3, 2022 |  |  |  |  |  |
| 11. | ANSI/ASB Standard 152, *Standard for the Minimum Content Requirements of Forensic Toxicology Procedures.* 2021. 1st. Ed. | added Sept 6, 2022 |  |  |  |  |  |
| 12. | ANSI/ASB Standard 153, *Standard Practices for Proficiency Testing for Forensic Toxicology Laboratories and Breath Alcohol Programs*. 2023. 1st. Ed. | added May 7, 2024 |  |  |  |  |  |
| 13. | ANSI/ASB Best Practice Recommendation 156, *Specimen Collection and Preservation for Forensic Toxicology.* 2023. 1st. Ed. | added Feb 6, 2024 |  |  |  |  |  |

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| **Trace Evidence** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E1610-18, *Standard Guide for Forensic Paint Analysis and Comparison* | added Jun 26, 2018 |  |  |  |  |  |
| 2. | ANSI/ASTM E1967-19, *Standard Test Method for the Automated Determination of Refractive Index of Glass Samples Using the Oil Immersion Method and a Phase Contrast Microscope* | added Jul 7, 2020 |  |  |  |  |  |
| 3. | ANSI/ASTM E2224-23a, *Guide for Forensic Analysis of Fibers by Infrared Spectroscop*y | added Apr 2, 2024 |  |  |  |  |  |
| 4.  | ANSI/ASTM E2225-23, *Standard Guide for Forensic Examination of Fabrics and Cordage* | added Oct 3, 2023 |  |  |  |  |  |
| 5. | ANSI/ASTM E2227-23e1, *Guide for Forensic Examination of Dyes in Textile Fibers by Thin-Layer Chromatography* | added Oct 3, 2023 |  |  |  |  |  |
| 6. | ANSI/ASTM E2228a-23, *Standard Guide for Microscopical Examination of Textile Fibers* | added Oct 3, 2023 |  |  |  |  |  |
| 7. | ANSI/ASTM E2330-19, *Standard Test Method for Determination of Concentrations of Elements in Glass Samples Using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for Forensic Comparisons* | added Jul 7, 2020 |  |  |  |  |  |
| 8. | ANSI/ASTM E2808-21a, *Standard Guide for Microspectrophotometry in Forensic Paint Analysis* | added Feb 1, 2022 |  |  |  |  |  |
| 9. | ANSI/ASTM E2809-22, *Standard Guide for Using Scanning Electron Microscopy/Energy Dispersive X-Ray Spectroscopy (SEM/EDS) in Forensic Polymer Examinations* | added Oct 4, 2022 |  |  |  |  |  |
| 10. | ANSI/ASTM E2926-17, *Standard Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence (μ-XRF) Spectrometry* | added Jul 31, 2022 |  |  |  |  |  |
| 11. | ANSI/ASTM E2927-16e1, *Standard Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Mass Spectrometry for Forensic Comparisons* | added Jun 5, 2018 |  |  |  |  |  |
| 12. | ANSI/ASTM E2937-18, *Standard Guide for Using Infrared Spectroscopy in Forensic Paint Examinations* | added Jun 26, 2018 |  |  |  |  |  |
| 13. | ANSI/ASTM E3085-17, *Standard Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations* | added Sept 18, 2018 |  |  |  |  |  |
| 14. | ASTM E3175-23, *Practice for Training in the Forensic Examination of Hair by Microscopy* | added July 2, 2024 |  |  |  |  |  |
| 15. | ANSI/ASTM E3233-20, *Standard Practice for Forensic Tape Analysis Training Program* | added Nov 3, 2020 |  |  |  |  |  |
| 16. | ANSI/ASTM E3234-20, *Standard Practice for Forensic Paint Analysis Training Program* | added Nov 3, 2020 |  |  |  |  |  |
| 17. | ANSI/ASTM E3254-23, *Standard Practice for Use of Color in the Visual Examination and Forensic Comparison of Soil Samples* | added Oct 3, 2023 |  |  |  |  |  |
| 18. | ANSI/ASTM E3260-21, *Standard Guide for Forensic Examination and Comparison of Pressure Sensitive Tapes* | added Oct 5, 2021 |  |  |  |  |  |
| 19. | ASTM E3272-23, *Guide for the Collection of Soils and Other Geological Evidence for Criminal Forensic Applications* | added July 2, 2024 |  |  |  |  |  |
| 20. | ASTM E3294-23, *Guide for Forensic Analysis of Geological Materials by Powder X-Ray Diffraction* | added July 2, 2024 |  |  |  |  |  |
| 21. | ASTM E3295-23, *Guide for Using Micro X-Ray Fluorescence (μ-XRF) in Forensic Polymer Examinations* | added Apr 2, 2024 |  |  |  |  |  |
| 22. | ANSI/ASTM E3296-22, *Standard Guide for Using Pyrolysis Gas Chromatography and Pyrolysis Gas Chromatography-Mass Spectrometry in Forensic Polymer Examinations* | added Oct 4, 2022 |  |  |  |  |  |
| 23. | ANSI/ASTM E3316-22, *Standard Guide for Forensic Examination of Hair by Microscopy* | added Apr 4, 2023 |  |  |  |  |  |
| 24. | ANSI/ASTM E3392-24, *Standard Guide for Forensic Physical Fit Examination* | added May 7, 2024. Note: This SDO Published Standard replaced OSAC 2022-S-0015 on the Registry. |  |  |  |  |  |
| 25. | OSAC 2022-N-0018, *Standard Practice for a Forensic Fiber Training Program* | added Jan 5, 2023 |  |  |  |  |  |
| 26. | OSAC 2022-S-0017, *Standard Guide for Microspectrophotometry in Forensic Fiber Analysis* | added Apr 4, 2023 |  |  |  |  |  |
| 27. | OSAC 2022‐S‐0019, Standard Guide for Forensic Examination of Fibers | added Apr 04, 2023 |  |  |  |  |  |  |
| 28. | [OSAC 2023-N-0005,](https://w3auth.nist.gov/document/osac-2023-n-0005-standard-practice-training-forensic-glass-practitioner-version-20) Standard Practice for Training a Forensic Glass Practitioner | added July 2, 2024 |  |  |  |  |  |  |
| 29. | OSAC 2023-N-0011, *Standard Practice for a Physical Fit Analysis Training Program* | added Nov 7, 2023 |  |  |  |  |  |
| 30. | OSAC 2023-N-0027, *Standard Guide for Forensic Trace Evidence Recovery* | added Jan 3, 2024 |  |  |  |  |  |

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| **Video/Imaging Technology & Analysis** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASTM E2916-19e1, *Standard Terminology for Digital and Multimedia Evidence Examination* | added Jul 7, 2020 (Note: Drafted in collaboration with OSAC's Digital Evidence and Facial Identification Subcommittees and also noted under these headings) |  |  |  |  |  |
| 2. | ANSI/ASTM E3235-21, *Standard Practice for Latent Print Evidence Imaging Resolution* | added Jun 7, 2022 |  |  |  |  |  |
| 3. | OSAC 2021-S-0013, *Standard Guide for Post Mortem Examination Photography* | added Mar 1, 2022 |  |  |  |  |  |
| 4. | OSAC 2021-S-0027, *Standard Guide for Laboratory Photography* | added Jul 5, 2022 |  |  |  |  |  |
| 5. | OSAC 2021-S-0037, *Standard Guide for Forensic Photogrammetry* | added Apr 4, 2023 |  |  |  |  |  |
| 6. | OSAC 2022-S-0001, *Standard Guide for Image Comparison Opinions* | added Jun 6, 2023 |  |  |  |  |  |
| 7. | OSAC 2022-S-0031, *Standard Guide for Forensic Digital Video Examination Workflow* | added Jan 3, 2024 |  |  |  |  |  |
| 8. | OSAC 2023-N-0001, *Standard Practice for Training in the Areas of Video Analysis, Image Analysis, and Photography*| added Jul 5, 2023 |  |  |  |  |  |
| 9. | OSAC 2023-S-0006, *Standard Guide for Photographing Scars, Marks, and Tattoos* | added Sept 5, 2023 |  |  |  |  |  |

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| **Wildlife Forensic Biology** |
| **Standard** | **Full Implementation** | **Partial Implementation** | **Not yet / Undecided** | **Will Not Implement** | **N/A** |
| 1. | ANSI/ASB Standard 019, *Wildlife Forensics General Standards.* 2019. 1st. Ed. | added Mar 2, 2021 |  |  |  |  |  |
| 2. | ANSI/ASB Standard 028, *Wildlife Forensics Morphology Standards.* 2019. 1st. Ed. | added Jun 3, 2020 |  |  |  |  |  |
| 3. | ANSI/ASB Standard 029, *Report Writing in Wildlife Forensics: Morphology and Genetics.* 2019. 1st. Ed. | added Mar 2, 2021 |  |  |  |  |  |
| 4. | ANSI/ASB Standard 047, *Wildlife Forensics Validation Standard—Validating New Primers for Sequencing*. 2019. 1st. Ed. | added Jun 3, 2020 |  |  |  |  |  |
| 5.  | ANSI/ASB Standard 138, *Standard for Collection of Known DNA Samples from Domestic Mammals*. 2022. 1st. Ed. | added Nov 7, 2023 |  |  |  |  |  |
| 6. | OSAC 2021-S-0006, *Standard for the Use of GenBank for Taxonomic Assignment of Wildlife* | added Nov 2, 2021 |  |  |  |  |  |
| 7. | OSAC 2022-S-0011, *Standard for Construction of Multilocus Databases* | added Jun 4, 2024 |  |  |  |  |  |

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| **Comments** |
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