Subcommittee	Standard	Effective Date
Biological Data Interpretation & Reporting	ANSI/ASB Standard 020, Standard for Validation Studies of DNA Minxtures, and Development and Verification of a Laboratory's Mixture Interpretation Protocol, First Edition, 2018	5/12/2020
Biological Data Interpretation & Reporting	ANSI/ASB Standard 040, Standard for Forensic DNA Interpretation and Comparison Protocols, First Edition, 2019	5/12/2020
Disaster Victim Identification	ASB Best Practice Recommendation 007, Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System Databases	9/5/2019
Disaster Victim Identification	ASB Best Practice Recommendation 010, Forensic Anthropology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority	9/5/2019
Dogs & Sensors	ASB 025, Crime Scene/Death Investigation - Dogs and Sensors - Terms and Definitions, First Edition, 2017	10/1/2019
Facial Identification	ASTM E3149-18 Standard Guide for Facial Image Comparison Feature List for Morphological Analysis	2/14/2019
Facial Identification	ASTM E3155-17 Standard Guide for Capturing Facial Images for Use with Facial Recognition Systems	10/1/2019
Facial Identification	ASTM E3148-18 Standard Guide for Postmortem Facial Image Capture	10/1/2019
Fire and Explosion Investigation	NFPA 921:2017 Guide for Fire and Explosion Investigation	11/1/2017
Fire and Explosion Investigation	NFPA 1033:2014 Standard for Professional Qualifications for Fire Investigators	12/22/2016
Materials (Trace)	ASTM E1610-18 Standard Guide for Forensic Paint Analysis and Comparison	6/26/2018
Materials (Trace)	ASTM E2926-17 Standard Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence Spectrometry	7/31/2017
Materials (Trace)	ASTM E2927-16e1 Standard Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Forensic Comparisons	6/5/2018
Materials (Trace)	ASTM E2937-18 Standard Guide for Using Infrared Spectroscopy in Forensic Paint Examinations	6/26/2018
Materials (Trace)	ASTM E3085-17 Standard Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations	9/11/2018
Odontology	ANSI/ADA 1058-2010D Forensic Dental Data Set	2/14/2019
Odontology	ADA 1088-2017D Human Identification by Comparative Dental Analysis	3/7/2019
Seized Drugs	ASTM E2329-17 Standard Practice for Identification of Seized Drugs	8/7/2018
Seized Drugs	ASTM E2548-11e1 Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis	4/3/2017
Toxicology	ASB 017, Standard Practices for Measurement Traceability in Forensic Toxicology, First Edition, 2018	6/18/2019
Toxicology	ASB 037, Guidelines for Opinions and Testimony in Forensic Toxicology, First Edition, 2019	11/5/2019
Interdisciplinary (Virtual Subcommittee)	ANSI/NIST ITL-1:2011 (Update 2013) Data Format for the Interchange of Fingerprint, Facial and Other Biometric Information	7/13/2017
Interdisciplinary (Virtual Subcommittee)	ISO/IEC 17020:2012 Conformity Assessment - Requirements for the Operation of Various Types of Bodies Performing Inspection	4/18/2017
Interdisciplinary (Virtual Subcommittee)	ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories	9/27/2016
Interdisciplinary (Virtual Subcommittee)	ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories	6/18/2019
Interdisciplinary (Virtual Subcommittee)	ASTM E2917-19a Standard Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs	11/5/2019
Interdisciplinary (Virtual Subcommittee)	ISO 21043-2 Forensic Sciences - Part 2: Recognition, recording, collecting, transport and storage of items	12/3/2019

OSAC Standards Activities: Tier 1-3

Subcommittee	Status	Document Title
Anthropology	TIER 2 - published by SDO	ASB 045, Standard for Stature Estimation in Forensic Anthropology, First Edition, 2019
Anthropology	TIER 2 - published by SDO	ASB 090, Standard for Sex Estimation in Forensic Anthropology
Anthropology	TIER 3 - sent to SDO	ASB 089, Facial Approximation in Forensic Anthropology
Anthropology	TIER 3 - sent to SDO	ASB 133, Standar for Age Estimation in Forensic Anthropology
Bio. Data Interpretation & Reporting	TIER 1 - on OSAC Registry	ASB 020, Standards for Validation Studies of DNA Mixtures, and Development and Verification of a Laboratory's Mixture Interpretation Protocol, First Edition, 2018
Bio. Data Interpretation & Reporting	TIER 1 - on OSAC Registry	ASB 040, Standard for Forensic DNA Interpretation and Comparison Protocols
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 018, Validation Standards for Probabilistic Genotyping Systems
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 041, Assigning Propositions for Likelihood Ratios in Forensic DNA Interpretations
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 078, Standard for Training of Forensic Autosomal and Y-STR Data Interpretation
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 079, Standard for Training on the Combined DNA Index System (CODIS)
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 080, Standard for Training to Perform Forensic DNA Reporting and Review
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 114, Best Practice Recommendation for Validation of Forensic DNA Software
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 123, Standard for Internal Evaluation of a Laboratory's DNA Mixture Interpretation Protocol
Bio. Data Interpretation & Reporting	TIER 3 - sent to SDO	ASB 139, Standard for Reporting DNA Conclusions
Biological Methods	TIER 2 - published by SDO	ASB 022, Standard for Forensic DNA Analysis Training Programs
Biological Methods	TIER 3 - sent to SDO	ASB 023, Standard for Training of Forensic DNA Isolation and Purification Methods
Biological Methods	TIER 3 - sent to SDO	ASB 038, Standard for Internal Validation of Forensic DNA Analysis Methods
Biological Methods	TIER 3 - sent to SDO	ASB 039, Standard for Internal Validation of Human STR Profiling on CE Platforms
Biological Methods	TIER 3 - sent to SDO	ASB 077, Standard for the Developmental and Internal Validation of Forensic Serological Methods
Biological Methods	TIER 3 - sent to SDO	ASB 110, Standard for Training in Forensic Serological Methods
Biological Methods	TIER 3 - sent to SDO	ASB 115, Standard for Training of Forensic STR Typing Methods Using PCR Amplification, DNA Separation, & Allele Detection
Biological Methods	TIER 3 - sent to SDO	ASB 116, Standard for Training of Forensic DNA Quantification Methods
Biological Methods	TIER 3 - sent to SDO	ASB 129, Best Practice Recommendations for Internal Validation of Human STR Profiling on CE Platforms (complements ASB 039)
Biological Methods	TIER 3 - sent to SDO	ASB 130, Standard for Training in Forensic DNA Amplification Methods for Capillary Electrophoresis Sequencing
Biological Methods	TIER 3 - sent to SDO	ASB 131, Standard for Training in Forensic DNA Sequencing using Capillary Electrophoresis
Biological Methods	TIER 3 - sent to SDO	ASB 136, Forensic Laboratory Standards for Prevention, Monitoring, and Mitigation of DNA Contamination
Biological Methods	TIER 3 - sent to SDO	ASB 140, Standard for Training in Forensic Human Mitochondrial DNA Analysis, Interpretation, Statistical Evaluation, and Reporting
Bloodstain Pattern Analysis	TIER 2 - published by SDO	ASB 030, Standard for a Quality Assurance Program in Bloodstain Pattern Analysis
Bloodstain Pattern Analysis	TIER 2 - published by SDO	ASB 033, Terms and Definitions in Bloodstain Pattern Analysis, First Edition, 2017
Bloodstain Pattern Analysis	TIER 2 - published by SDO	ASB 072, Standard for the Validation of Procedures in Bloodstain Pattern Analysis, First Edition, 2019
Bloodstain Pattern Analysis	TIER 3 - sent to SDO	ASB 031, Guidelines for Report Writing in Bloodstain Pattern Analysis, First Edition
Bloodstain Pattern Analysis	TIER 3 - sent to SDO	ASB 032, Standards for Minimum Training and Education Requirements for Bloodstain Pattern Analysts
Crime Scene Investigation	TIER 2 - published by SDO	ASTM E620-11(18) Standard Practice for Reporting Opinions of Scientific or Technical Experts
Crime Scene Investigation	TIER 2 - published by SDO	ASTM E860-07(13)e2 Standard Practice for Examining and Preparing Items that are or may Become Involved in Criminal or Civil Litigation
Crime Scene Investigation	TIER 2 - published by SDO	ASTM E1020-13e1 Standard Practice for Reporting Incidents that may Involve Criminal or Civil Litigation (currently under revision as WK66161)
Crime Scene Investigation	TIER 2 - published by SDO	ASTM E1188-11(17) Standard Practice for Collection and Preservation of Information and Physical Items by a Technical Investigator
Crime Scene Investigation	TIER 2 - published by SDO	ASTM E1459-13(18) Standard Guide for Physical Evidence Labeling and Related Documentation
Crime Scene Investigation	TIER 3 - sent to SDO	ASTM WK67866 Standard Practice for Crime Scene Investigator Training, Continuing Education, Professional Development, Certification, and Accreditation
Crime Scene Investigation	TIER 3 - sent to SDO	ASTM E1843-16 Standard Guide for Sexual Assault Investigation, Examination, and Evidence (revision to existing ASTM document)
Crime Scene Investigation	TIER 3 - sent to SDO	ASTM E2123-16 Transmittal of Evidence in Sexual Assault Investigation (revision to existing ASTM document)
Crime Scene Investigation	TIER 3 - sent to SDO	ASTM E2124-15 Specification for Equipment and Supplies in Sexual Assault Investigation (revision to existing ASTM document)
Digital Evidence	TIER 2 - published by SDO	ASTM E2678-09(2014) Standard Guide for Education and Training in Computer Forensics
Digital Evidence	TIER 2 - published by SDO	ASTM E2916-19e1 Standard Terminology for Digital and Multimedia Evidence Examination
Digital Evidence	TIER 2 - published by SDO	ASTM E3016-18 Standard Guide for Establishing Confidence in Digital and Multimedia Forensic Results by Error Mitigation Analysis
Digital Evidence	TIER 2 - published by SDO	ASTM E3017-19 Standard Practice for Examining Magnetic Card Readers
Digital Evidence	TIER 2 - published by SDO	ASTM E3046-15 Standard Guide for Core Competencies for Mobile Phone Forensics
Digital Evidence	TIER 2 - published by SDO	ASTM E3150-18 Standard Guide for Forensic Audio Laboratory Setup and Maintenance
Digital Evidence	TIER 3 - sent to SDO	ASTM WK66297 Standard Guide for Education and Training in Computer Forensics

Discipline	Status	Standard
Digital Evidence	TIER 3 - sent to SDO	ASTM WK66298 Forensic Audio Examination Workflow
Digital Evidence	TIER 3 - sent to SDO	ASTM WK67924 Core Competencies for Forensic Audio
Disaster Victim Identification	TIER 1 - on OSAC Registry	ASB 007, Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System Databases, First Edition, 2018
Disaster Victim Identification	TIER 1 - on OSAC Registry	ASB 010, Forensic Anthropology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority, First Edition, 2018
Disaster Victim Identification	TIER 2 - published by SDO	ASB 006, Best Practice Recommendations for DNA Analysis for Human Identification in Mass Fatality Incidents, First Edition, 2019
Disaster Victim Identification	TIER 2 - published by SDO	ASB 009, Best Practice Recommendations for the Examination of Human Remains by Forensic Pathologists in the Disaster Victim Identification Context, First Edition, 2019
Disaster Victim Identification	TIER 3 - sent to SDO	ASB 005, Mass Fatality Incident Data Management: Best Practice Recommendations for the Medicolegal Authority
Disaster Victim Identification	TIER 3 - sent to SDO	ASB 008, Mass Fatality Scene Processing: Best Practice Recommendations for the Medicolegal Authority
Disaster Victim Identification	TIER 3 - sent to SDO	ASB 094, Postmortem Fingerprint Recovery: Guidance and Best Practices for Disaster Victim Identification
Disaster Victim Identification	TIER 3 - sent to SDO	ASB 108, Forensic Odontology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority
Dogs & Sensors	TIER 1 - on OSAC Registry	ASB 025, Crime Scene/Death Investigation – Dogs and Sensors – Terms and Definitions, First Edition, 2017
Dogs & Sensors	TIER 2 - published by SDO	ASB 088, General Guidelines for Training, Certification, and Documentation of Canine Detection Disciplines
Dogs & Sensors	TIER 3 - sent to SDO	ASB 024, Crime Scene/Death Investigation - Dogs and Sensors Pre-Scented Canines - Location Check
Dogs & Sensors	TIER 3 - sent to SDO	ASB 026, Crime Scene/Death Investigation - Dogs and Sensors Pre-Scented Canines - Aged Trail Search
Dogs & Sensors	TIER 3 - sent to SDO	ASB 027, Crime Scene/Death Investigation Dogs and Sensors - Patrol Dogs: Tracking/Trailing/Area Search/Building Search/Evidence Search of One or More Persons Based on Last Known Position
Dogs & Sensors	TIER 3 - sent to SDO	ASB 074, Agriculture Detection - Canine Training, Certification, and Document Management Standards
Dogs & Sensors	TIER 3 - sent to SDO	ASB 075, Canine Detection of Human Remains in Water
Dogs & Sensors	TIER 3 - sent to SDO	ASB 076, Canine Detection of Human Remains on Land
Dogs & Sensors	TIER 3 - sent to SDO	ASB 082, Canine Article Search
Dogs & Sensors	TIER 3 - sent to SDO	ASB 084, Presentation of Canine Detection Evidence in Court
Dogs & Sensors	TIER 3 - sent to SDO	ASB 085, Detection Canine Selection, Kenneling and Healthcare
Dogs & Sensors	TIER 3 - sent to SDO	ASB 086, Canine Detection of Narcotics
Dogs & Sensors	TIER 3 - sent to SDO	ASB 092, Canine Detection of Explosives
Dogs & Sensors	TIER 3 - sent to SDO	Canine Detection of Media
Facial Identification	TIER 1 - on OSAC Registry	ASTM E3115-17 Standard Guide for Capturing Images for Use with Facial Recognition Systems
Facial Identification	TIER 1 - on OSAC Registry	ASTM E3148-18 Standard Guide for Postmortem Facial Image Capture
Facial Identification	TIER 1 - on OSAC Registry	ASTM E3149-18 Standard Guide for Facial Image Comparison Feature List for Morphological Analysis
Facial Identification	TIER 3 - sent to SDO	ASTM WK69795 Guide for Role Based Training in Facial Comparison
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E1386-15 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Solvent Extraction
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E1388-17 Standard Practice for Sampling of Headspace Vapors from Fire Debris Samples
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E1412-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Active Charcoal (see WK51929 for proposed revision
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E1413-19 Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbant Tube
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E1618-19 Standard Test Method for Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography-Mass Spectrometry
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E2154-15a Standard Practice for Separation and Concentration of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Solid Phase Microextraction (S
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E2451-13 Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E2881-18 Standard Test Method for Extraction and Derivatization of Vegetable Oils and Fats from Fire Debris and Liquid Samples with Analysis by Gas Chromatography-Mass Spectrometry
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E2997-16 Standard Test Method for Analysis of Biodiesel Products by Gas Chromatography-Mass Spectrometry
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E2998-16 Standard Practice for Characterization and Classification of Smokeless Powder
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E2999-17 Test Method for Analysis of Smokeless Powder by Gas Chromatography-Mass Spectrometry and Fourier-Transform Infrared Spectroscopy
Fire Debris & Explosives	TIER 2 - published by SDO	ASTM E3189-19 Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Static Headspace Concentration onto an Adsorbent Tube
Fire Debris & Explosives	TIER 3 - sent to SDO	ASTM WK56998 Terminology for the Examination of Explosives
Fire Debris & Explosives	TIER 3 - sent to SDO	ASTM WK63459 Terminology for the Examination of Fire Debris
Fire Debris & Explosives	TIER 3 - sent to SDO	ASTM WK64631 Standard Guide for a Systematic Approach to the Extraction, Analysis, and Identification of Ignitable Liquids in Fire Debris Samples
Fire Debris & Explosives	TIER 3 - sent to SDO	ASTM WK67862 Standard Practice for the Forensic Examination and Identification of Intact Explosives
Fire & Explosion Investigation	TIER 1 - on OSAC Registry	NFPA 921:2017 Guide for Fire and Explosion Investigation
Fire & Explosion Investigation	TIER 1 - on OSAC Registry	NFPA 1033:2014 Standard for Professional Qualifications for Fire Investigators
Fire & Explosion Investigation	TIER 3 - sent to SDO	Standard for the Organization and Operation of Fire Investigation Units
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 060, Guidelines for Barrel and Overall Length Measurements for Firearms
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 061, Firearms and Toolmarks 3D Measurement Systems and Measurement Quality Control
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 062, Standard for Topography Comparison Software for Firearm and Toolmark Analysis
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 063, Implementation of 3D Technologies in Forensic Firearm and Toolmark Comparison Laboratories

Discipline	Status	Standard
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 068, Safe Handling of Firearms and Ammunition during Forensic Analysis
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 093, Test Method for the Examination and Testing of Firearms
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 096, Standard Method for the Examination and Documentation of Ammunition and Ammunition Components
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 100, Range of Conclusions and Criteria in Toolmark Examinations
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 105, Minimum Education Requirements for Firearm and Toolmark Examiner Trainees (new standard)
Firearms & Toolmarks	TIER 3 - sent to SDO	ASB 107, Best Practice Recommendation for Measuring Trigger Pull of a Firearm and Estimating its Uncertainty
Footwear & Tire	TIER 2 - published by SDO	ASB 021, Guideline for the Preparation of Test Impressions from Footwear and Tires
Footwear & Tire	TIER 2 - published by SDO	ASB 097, Terminology Used for Forensic Footwear and Tire Evidence
Footwear & Tire	TIER 3 - sent to SDO	ASB 049, Best Practice Recommendation for the Lifting of Footwear and Tire Impression Evidence
Footwear & Tire	TIER 3 - sent to SDO	ASB 050, Best Practice Recommendation for the Documentation and Photography Documentation of Footwear and Tire Evidence
Footwear & Tire	TIER 3 - sent to SDO	ASB 051, Scope of work for a Footwear and Tire Examiner Technical Report
	TIER 3 - sent to SDO	ASB 052, Best Practice Recommendation for the Detection of Footwear and Tire Impression Evidence
Footwear & Tire	TIER 3 - sent to SDO	ASB 095, Standard for Minimum Qualifications and Training for a Footwear/Tire Forensic Science Service Provider
Footwear & Tire	TIER 3 - sent to SDO	ASB 099, Standard for Footwear/Tire Examination Proficiency Testing Program
Footwear & Tire	TIER 3 - sent to SDO	ASB 126, Best Practice Recommendation for Casting of Footwear and Tire Impression Evidence
Footwear & Tire	TIER 3 - sent to SDO	ASB 137, Standard for Examination and Documentation of Footwear and Tire Impression Evidence
Forensic Document Examination	TIER 2 - published by SDO	ASB 044, Standard for Examination of Documents for Indentations
Forensic Document Examination	TIER 3 - sent to SDO	ASB 011, Scope of Expertise in Forensic Document Examination
Forensic Document Examination	TIER 3 - sent to SDO	ASB 035, Standard for the Examination of Documents for Alterations
Forensic Document Examination	TIER 3 - sent to SDO	ASB 071, Forensic Document Examination Terms and Reference
Forensic Document Examination	TIER 3 - sent to SDO	ASB 117, Examination of Stamping Devices and Stamp Impressions
Friction Ridge	TIER 3 - sent to SDO	ASB 012, Best Practice Recommendation for Articulating a Source Identification in Friction Ridge Examinations
Friction Ridge	TIER 3 - sent to SDO	ASB 013, Standard for Friction Ridge Examination Conclusions
Friction Ridge	TIER 3 - sent to SDO	ASB 014, Standard for Friction Ridge Examination Training Program
Friction Ridge	TIER 3 - sent to SDO	(ASB) Best Practice Recommendations for the Resolution of Conflicts in the Course of Friction Ridge Examination
Friction Ridge	TIER 3 - sent to SDO	(ASB) Best Practice Recommendations for Technical Review in Friction Ridge Identification
Friction Ridge	TIER 3 - sent to SDO	(ASB) Best Practice Recommendations for the Verification Component in Friction Ridge Examinations
Friction Ridge	TIER 3 - sent to SDO	(ASB) Standard for Consultation During Friction Ridge Examination
Geological Materials	TIER 3 - sent to SDO	ASTM WK70035 Practice for Determination and Comparison of Color by Visual Observation in Forensic Soil Examination
Geological Materials	TIER 3 - sent to SDO	ASTM WK70187 Standard Guide for the Collection of Soils and Other Geological Evidence for Forensic Applications
Gunshot Residue	TIER 3 - sent to SDO	ASTM E1588-17 Standard Guide for Gunshot Residue Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry
Gunshot Residue	TIER 3 - sent to SDO	ASTM WK58457 Standard Practice for Training in the Forensic Examination of GSR using Scanning Electron Microscopy-Energy Dispersive X-ray Spectrometry (SEM/EDS)
Gunshot Residue	TIER 3 - sent to SDO	ASTM WK69622 Standard Practice for Report Writing of Forensic Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy DIspersive X-Ray Spectrometry (SEM/EDS)
Gunshot Residue	TIER 3 - sent to SDO	Standard Practice for Expert Opinions on the Interpretation of Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy /Energy Dispersive X-ray Spectrometry (SEM/EDS)
Materials (Trace)	TIER 1 - on OSAC Registry	ASTM E1610-18 Standard Guide for Forensic Paint Analysis and Comparison
Materials (Trace)	TIER 1 - on OSAC Registry	ASTM E2926-17 Standard Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence Spectrometry
Materials (Trace)	TIER 1 - on OSAC Registry	ASTM E2927-16e1 Standard Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Forensic Compari
Materials (Trace)	TIER 1 - on OSAC Registry	ASTM E2937-18 Standard Guide for Using Infrared Spectroscopy in Forensic Paint Examinations
Materials (Trace)	TIER 1 - on OSAC Registry	ASTM E3085-17 Standard Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations
Materials (Trace)	TIER 2 - published by SDO	ASTM E1967 Standard Test Method for the Automated Determination of Refractive Index of Glass Samples Using the Oil Immersion Method and a Phase Contrast Microscope
Materials (Trace)	TIER 2 - published by SDO	ASTM E2224-19 Standard Guide for Forensic Analysis of Fibers by Infrared Spectroscopy
Materials (Trace)	TIER 2 - published by SDO	ASTM E2225 Standard Guide for Forensic Examination of Fabrics and Cordage
Materials (Trace)	TIER 2 - published by SDO	ASTM E2228-19 Standard Guide for Microscopical Examination of Textile Fibers
Materials (Trace)	TIER 2 - published by SDO	ASTM E2330 Standard Test Method for Determination of Concentrations of Elements in Glass Samples Using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for Forensic Comparisons
Materials (Trace)	TIER 2 - published by SDO	ASTM E3233 Standard Practice for a Forensic Tape Analysis Training Program
Materials (Trace)	TIER 2 - published by SDO	ASTM E3234 Standard Practice for a Forensic Paint Analysis Training Program
Materials (Trace)	TIER 3 - sent to SDO	ASTM E2808 Standard Guide for Microspectrophotometry in Forensic Paint Analysis
Materials (Trace)	TIER 3 - sent to SDO	ASTM WK56743 Standard Practice for a Forensic Hair Analysis Training Program
Materials (Trace)	TIER 3 - sent to SDO	ASTM WK71337 Guide for Forensic Examination and Comparison of Pressure Sensitive Tapes
Materials (Trace)	TIER 3 - sent to SDO	ASTM WK72597 Standard Guide for the Microscopical Examination of Human Hair
Materials (Trace)	TIER 3 - sent to SDO	ASTM E2227 Standard Guide for the Forensic Examination of Non-Reactive Dyes in Textile Fibers by Thin-Layer Chromatography

Discipline	Tier	Standard
Materials (Trace)	TIER 3 - sent to SDO	ASTM E2809-13 Standard Guide for Using Scanning Electron Microscopy/X-Ray Spectrometry in Forensic Polymer Examinations
Medicolegal Death Investigation	TIER 3 - sent to SDO	ASB 125, Organizational and Foundational Standard for Medicolegal Death Investigation
Odontology	TIER 1 - on OSAC Registry	ANSI/ADA 1058-2010D Forensic Dental Data Set
Odontology	TIER 1 - on OSAC Registry	ADA 1088-2017D Human Identification by Comparative Dental Analysis
Odontology	TIER 3 - sent to SDO	ADA 1077-201x Human Age Assessment by Dental Analysis
Odontology	TIER 3 - sent to SDO	ISO 20888 Dentistry - Terminology for Forensic Oro-Dental Data
Seized Drugs	TIER 1 - on OSAC Registry	ASTM E2329-17 Standard Practice for Identification of Seized Drugs
Seized Drugs	TIER 1 - on OSAC Registry	ASTM E2548-11e1 Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis
Seized Drugs	TIER 2 - published by SDO	ASTM E1968 Standard Guide for Microcrystal Testing in the Forensic Analysis of Cocaine
Seized Drugs	TIER 2 - published by SDO	ASTM E1969 Standard Guide for Microcrystal Testing in the Forensic Analysis of Methamphetamine and Amphetamine
Seized Drugs	TIER 2 - published by SDO	ASTM E2125 Standard Guide for Microcrystal Testing in the Forensic Analysis of Phencyclidine and Its Analogues
Seized Drugs	TIER 2 - published by SDO	ASTM E2549 Standard Practice for Validation of Seized-Drug Analytical Methods
Seized Drugs	TIER 2 - published by SDO	ASTM E2327 Standard Practice for Quality Assurance of Laboratories Performing Seized-Drug Analysis
Seized Drugs	TIER 2 - published by SDO	ASTM E2882-19 Standard Guide for Analysis of Clandestine Drug Laboratory Evidence
Seized Drugs	TIER 3 - sent to SDO	ASTM E2326-14 Standard Practice for Education and Training of Seized Drug Analysts
Seized Drugs	TIER 3 - sent to SDO	ASTM E2764 Standard Practice for Uncertainty Assessment in the Context of Seized-Drug Analysis
Seized Drugs	TIER 3 - sent to SDO	ASTM WK65067 Guide for Assessment of Gas Chromatography and Electron Ionization Mass Spectrometry Data During the Qualitative Analysis of Seized Drugs
Seized Drugs	TIER 3 - sent to SDO	ASTM WK72630 Standard Guide for the Development of Electron Ionization-Mass Spectral (EI-MS) Libraries
Seized Drugs	TIER 3 - sent to SDO	ASTM WK72638 Standard Guide for Intralaboratory Blind Quality Control Programs for Seized-Drug Analysis
Speaker Recognition	TIER 3 - sent to SDO	Audio Engineering Society (AES) Speech Collection Guideline for Speaker Recognition: Audio Collection at a Temporary Location
Speaker Recognition	TIER 3 - sent to SDO	ANSI/NIST-ITL Guidelines for The Exchange of Speech Files for Use in Speaker Recognition Using ANSI/NIST-ITL Transactions
Toxicology	TIER 1 - on OSAC Registry	ASB 017, Standard Practices for Measurement Traceability in Forensic Toxicology, First Edition, 2018
Toxicology	TIER 1 - on OSAC Registry	ASB 037, Guidelines for Opinions and Testimony in Forensic Toxicology, First Edition, 2019
Toxicology	TIER 2 - published by SDO	ASB 036, Standard Practices for Method Validation in Forensic Toxicology
Toxicology	TIER 3 - sent to SDO	ASB 053, Standard for Report Content in Forensic Toxicology
Toxicology	TIER 3 - sent to SDO	ASB 054, Standard for a Quality Control Program in Forensic Toxicology Laboratories
Toxicology	TIER 3 - sent to SDO	ASB 055, Standard for Breath Alcohol Measuring Instrument Calibration
Toxicology	TIER 3 - sent to SDO	ASB 098, Standard for Mass Spectral Data Acceptance in Forensic Toxicology
Toxicology	TIER 3 - sent to SDO	ASB 113, Standard for Identification Criteria in Forensic Toxicology
Toxicology	TIER 3 - sent to SDO	ASB 119, Standard for the Analytical Scope and Sensitivity of Forensic Toxicological Testing in Medicolegal Death Investigations
Toxicology	TIER 3 - sent to SDO	ASB 120, Standard for the Analytical Scope and Sensitivity of Forensic Toxicological Testing in Impaired Driving Investigations
Toxicology	TIER 3 - sent to SDO	ASB 121, Standard for the Analytical Scope and Sensitivity of Forensic Toxicology Urine Testing in Drug-Facilitated Crime Investigations
Video/Imaging Technology & Analysis	TIER 2 - published by SDO	ASTM E2825-19 Standard Guide for Forensic Digital Image Processing
Video/Imaging Technology & Analysis	TIER 3 - sent to SDO	ASTM WK61709 Standard Practice for Data Retrieval from Digital CCTV System
Video/Imaging Technology & Analysis	TIER 3 - sent to SDO	ASTM WK66357 Guide for Standard Guide for Latent Print Evidence Imaging Resolution
Video/Imaging Technology & Analysis	TIER 3 - sent to SDO	ASTM WK66417 Guide for Training Guidelines for Video Analysis, Image Analysis and Photography
Video/Imaging Technology & Analysis	TIER 3 - sent to SDO	ASTM WK69872 Standard Guide for Crime Scene Photography
Wildlife Forensics	TIER 2 - published by SDO	ASB 019, Wildlife Forensics General Standards, First Edition, 2019
Wildlife Forensics	TIER 2 - published by SDO	ASB 028, Wildlife Forensics Morphology Standards, First Edition, 2019
Wildlife Forensics	TIER 2 - published by SDO	ASB 029, Report Writing in Wildlife Forensics, Morphology and Genetics, First Edition, 2019
Wildlife Forensics	TIER 2 - published by SDO	ASB 046 Wildlife Forensics Validation Standards—STR Analysis, First Edition, 2019
Wildlife Forensics	TIER 2 - published by SDO	ASB 047, Wildlife Forensics Validation Standard—Validating New Primers for Sequencing, First Edition, 2019
Wildlife Forensics	TIER 2 - published by SDO	ASB 048 Wildlife Forensic DNA Standard Procedures, First Edition, 2019
Wildlife Forensics	TIER 2 - published by SDO	ASB 106, Wildlife Forensic-Protein Serology Method for Taxonomic Identification
Wildlife Forensics	TIER 3 - sent to SDO	ASB 111, Standard for Training in Mitochondrial DNA (mtDNA) Analysis for Taxonomic Identification
Interdisciplinary	TIER 1 - on OSAC Registry	ANSI/NIST ITL-1:2011 Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information
Interdisciplinary	TIER 1 - on OSAC Registry	ISO/IEC 17020:2012 Conformity Assessment - Requirements for the Operation of Various Types of Bodies Performing Inspection
Interdisciplinary	TIER 1 - on OSAC Registry	ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories
Interdisciplinary	TIER 1 - on OSAC Registry	ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories
Interdisciplinary	TIER 1 - on OSAC Registry	ASTM E2917-19a Standard Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs

Interdisciplinary	TIER 1 - on OSAC Registry	ISO 2104302 Forensic Sciences - Part 2: Recognition, recording, collecting, transport and storage of items
Interdisciplinary	TIER 3 - sent to SDO	ASTM E1020-13e1 WK66161 Standard Practice for Reporting Incidents that May Involve Criminal or Civil Litigation (Virtual Subcommittee #6)
Interdisciplinary	TIER 3 - sent to SDO	ASTM E860-07(13)e2 Standard Practice for Examining And Preparing Items That Are Or May Become Involved In Criminal or Civil Litigation
Interdisciplinary	TIER 3 - sent to SDO	ASTM WK71108 Practice for Quality Assurance of Forensic Science Service Providers Performing Forensic Chemistry Analysis
Interdisciplinary	TIER 3 - sent to SDO	OSAC Standard Framework for Developing Discipline-Specific Methodology for ACE-V

OSAC Standards Activities: Tier 4

Subcommittee	Status	Document Title
Anthropology	TIER 4 - under development	Guidelines for Anthropology Scene Detection and Processing
Anthropology	TIER 4 - under development	Standard for Ancestry Estimation in Forensic Anthropology [1]
Anthropology	TIER 4 - under development	Standards for Qualifications in Forensic Anthropology
Anthropology	TIER 4 - under development	Standard for Description and Interpretation of Pathological Conditions and Anomalies in Forensic Anthropology [2]
Anthropology	TIER 4 - under development	Standard for Skeletal Sampling and Preparation in Forensic Anthropology
Anthropology	TIER 4 - under development	Standard for Resolving Commingled Remains in Forensic Anthropology
Anthropology	TIER 4 - under development	Standard for Determining Medicolegal Significance in Forensic Anthropology
Anthropology	TIER 4 - under development	Standard for Personal Identification in Forensic Anthropology
Anthropology	TIER 4 - under development	Standard for Analyzing Skeletal Trauma in Forensic Anthropology
Anthropology	TIER 4 - under development	Standard for Taphonomic Observations in Support of the Postmortem Interval
Anthropology	TIER 4 - under development	Standard for Documentation, Reporting and Testimony
Anthropology	TIER 4 - under development	Standard for Proficiency Testing in Forensic Anthropology
Bio. Data Interpretation & Reporting	TIER 4 - under development	Standard for Training in the Use of Statistics in Interpretation of Forensic DNA Evidence
Bio. Data Interpretation & Reporting	TIER 4 - under development	Standard for Training of Analysis of Forensic STR Data
Bio. Data Interpretation & Reporting	TIER 4 - under development	Standard for Training on Testimony for Forensic Biology
Bio. Data Interpretation & Reporting	TIER 4 - under development	Standard for Setting Analytical and Stochastic Thresholds for Application to Forensic Casework Using Electrophoretic Systems
Bio. Data Interpretation & Reporting	TIER 4 - under development	Standard for Interpreting and Reporting DNA Test Results Associated with Failed Controls and Contamination Events
Bio. Data Interpretation & Reporting	TIER 4 - under development	Testimony Propositions
Biological Methods	TIER 4 - under development	Standard for Massively Parallel Sequencing (MPS)/Next Generation Sequencing (NGS)
Bloodstain Pattern Analysis	TIER 4 - under development	Standard for Technical Review of Bloodstain Pattern Analysis Reports
Bloodstain Pattern Analysis	TIER 4 - under development	Standards for Developing Standard Operating Procedures in Bloodstain Pattern Analysis
Bloodstain Pattern Analysis	TIER 4 - under development	Standard for a Certification Program for Bloodstain Pattern Analysts
Bloodstain Pattern Analysis	TIER 4 - under development	Guidelines for proficiency testing in bloodstain pattern analysis
Bloodstain Pattern Analysis	TIER 4 - under development	Standard for Classifying Bloodstain Patterns
Bloodstain Pattern Analysis	TIER 4 - under development	Standards for Reporting Reconstruction Conclusions in Bloodstain Pattern Analysis
Bloodstain Pattern Analysis	TIER 4 - under development	Standard for Documentation and Review of Case Experimentation
Bloodstain Pattern Analysis	TIER 4 - under development	Standard for Bloodstain Pattern Analysis Methodology
Crime Scene Investigation	TIER 4 - under development	Standard Practice for the Documentation and Processing of Shooting Scenes
Crime Scene Investigation	TIER 4 - under development	Guiding Prinicples for Crime Scene Investigation and Reconstruction
Crime Scene Investigation	TIER 4 - under development	Standard Practice for Crime Scene Reconstruction
Crime Scene Investigation	TIER 4 - under development	Crime Scene Reconstructionist Training, Continuing Education, and Professional Development
Crime Scene Investigation	TIER 4 - under development	Standard for Initial Response at Scenes by Law Enforcement
Crime Scene Investigation	TIER 4 - under development	Standard for Initial Response at Scenes by Crime Scene Investigators
Crime Scene Investigation	TIER 4 - under development	Standard Practice for the Documentation and Processing of Animal Cruelty Scenes
Crime Scene Investigation	TIER 4 - under development	Standard for the Examination of the Live Animals Suspected to be impacted by Cruelty to Animals
Crime Scene Investigation	TIER 4 - under development	Standard Practice for Crime Scene Metrology
Crime Scene Investigation	TIER 4 - under development	Standard Guide for Quality Management in Crime Scene Investigation
Crime Scene Investigation	TIER 4 - under development	Standard Practice for the Collection and Preservation of Biological Materials
Crime Scene Investigation	TIER 4 - under development	Chemical Processing of Suspected Projectile Impacts
Crime Scene Investigation	TIER 4 - under development	Standard for the Collection and Preservation of Physical Evidence During Crime Scene Investigations
Crime Scene Investigation	TIER 4 - under development	Standard for Measuring Trajectory Angles
Crime Scene Investigation	TIER 4 - under development	Standard for the Collection and Preservation of Arthropod Samples from Human or Other Animals

Crime Scene Investigation	TIER 4 - under development	Standard for Entomological Sample Processing for Molecular Analysis
Disaster Victim Identification	TIER 4 - under development	Mass Fatality Management: Best Practice Recommendations for the Medicolegal Authority
Disaster Victim Identification	TIER 4 - under development	Media Communications Following a Mass Fatality Incident: Best Practice Recommendations for the Medicolegal Authority
Disaster Victim Identification	TIER 4 - under development	Ethical Considerations in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority
Disaster Victim Identification	TIER 4 - under development	Family Management Following a Mass Fatality Incident: Victim Information Center Best Practice Recommendations for Medicolegal Authorities
Disaster Victim Identification	TIER 4 - under development	Disaster Victim Identification Process: Best Practice Recommendations for the Medicolegal Authority
Dogs & Sensors	TIER 4 - under development	Standard for Disaster Live Human Detection Dogs Programs - Training, Certification, and Documentation
Dogs & Sensors	TIER 4 - under development	Canine Career Field Progression System
Dogs & Sensors	TIER 4 - under development	Standards for Disaster Human Remains Detection Dogs
Dogs & Sensors	TIER 4 - under development	Canine Detection of Contraband
Dogs & Sensors	TIER 4 - under development	Canine Detection of Pests and Insects (Bed Bugs)
Dogs & Sensors	TIER 4 - under development	Canine Detection of Explosives
Dogs & Sensors	TIER 4 - under development	Canine Detection of Accelerants
Dogs & Sensors	TIER 4 - under development	Canine Detection of Person(s) During a Human Scent Identification Lineup
Facial Identification	TIER 4 - under development	Guidelines for Image Processing to Improve Automated Facial Recognition Search Performance
Facial Identification	TIER 4 - under development	Effects of a Scanned Image for Facial Image Comparison
Facial Identification	TIER 4 - under development	Extracting Facial Images from "In the Wild" Imagery
Facial Identification	TIER 4 - under development	Facial Recognition Systems Metadata Usage [3]
Facial Identification	TIER 4 - under development	Facial Recognition Systems Bulk Data Transfer [4]
Facial Identification	TIER 4 - under development	Effects of a Printed Image for Facial Image Comparison [5]
Facial Identification	TIER 4 - under development	Pose Correction to Improve Automated Facial Recognition Search Performance [6]
Facial Identification	TIER 4 - under development	Facial Recognition Systems Methods and Techniques [7]
Facial Identification	TIER 4 - under development	Introduction to EBTS [8]
Facial Identification	TIER 4 - under development	Understanding Facial Biometric Performance Tests [9]
Facial Identification	TIER 4 - under development	Physical Stability of Facial Features of Adults [10]
Facial Identification	TIER 4 - under development	Physical Stability of Facial Features of Juveniles [11]
Facial Identification	TIER 4 - under development	Guide for Forensic Face Reporting and Note Taking
Facial Identification	TIER 4 - under development	Guide for Investigative Lead Report and Note Taking
Facial Identification	TIER 4 - under development	Overview of Facial Comparison Methods [12]
Facial Identification	TIER 4 - under development	Facial Examination Conclusion Scale
Facial Identification	TIER 4 - under development	Image Factors to Consider in Facial Comparison
Facial Identification	TIER 4 - under development	Guide for Facial Comparison Awareness Training of Assessors
Facial Identification	TIER 4 - under development	Guide for Facial Comparison Training of Reviewers to Competency
Facial Identification	TIER 4 - under development	Guide for Facial Comparison Training of Examiners to Competency
Facial Identification	TIER 4 - under development	Guide for Mentorship of Facial Comparison Trainees in Role Based Facial Comparison
Facial Identification	TIER 4 - under development	Guide for Proficiency Testing in Role Based Facial Comparison
Facial Identification	TIER 4 - under development	Minimum Training Criteria for Usage of Facial Recognition Systems
Facial Identification	TIER 4 - under development	Methods of Mark-up and Annotation for Face Presentation to Courts
Facial Identification	TIER 4 - under development	Managing Head Coverings, Accessories, and Make-up (HCAM) for Booking Photographs
Facial Identification	TIER 4 - under development	Facial Recognition Testimonial Document [13]
Fire Debris & Explosives	TIER 4 - under development	Standard Guide for the Forensic Examination and Identification of Post-Blast Explosives
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for a Forensic Explosives Analysis Training Program
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for a Forensic Fire Debris Analysis Training Program
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for Reporting Results and Opinions of Explosive Analysis
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for Reporting Results and Opinions of Fire Debris Analysis

Fire Debris & Explosives	TIER 4 - under development	Standard for Classification of Ignitable Liquids Encountered in Forensic Fire Debris Analysis
Fire Debris & Explosives	TIER 4 - under development	Standard Test Method for Interpretation of Gas Chromatography Electron Ionization Mass Spectrometry Data for the Identification of Ignitable Liquids
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for Analysis of Ignitable Liquids by Gas Chromatography Electron Ionization Mass Spectrometry
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for Quality Assurance of Laboratories Performing Analysis of Explosives
Fire Debris & Explosives	TIER 4 - under development	Standard Practice for Quality Assurance of Laboratories Performing Chemical Analysis of Ignitable Liquids and Ignitable Liquid Residues
Fire Debris & Explosives	TIER 4 - under development	Analytical Technique - FTIR of Explosives and Explosive Residues
Fire Debris & Explosives	TIER 4 - under development	Analytical Technique - GC and GC-MS of Explosives and Explosive Residues
Fire Debris & Explosives	TIER 4 - under development	Analytical Technique - PLM of Explosives and Explosive Residues
Fire Debris & Explosives	TIER 4 - under development	Analytical Technique - XRD of Explosives and Explosive Residues
Fire & Explosion Investigation	TIER 4 - under development	Template Quality Manual for Fire Investigation Units to facilitate individual FIU's development of their own Quality Manual
Firearms & Toolmarks	TIER 4 - under development	Standard for Peer Review of Source Conclusions in Toolmark Examinations
Firearms & Toolmarks	TIER 4 - under development	Standard for 3D Virtual Comparison Microscopy for Firearm and Toolmark Analysis
Firearms & Toolmarks	TIER 4 - under development	Standard for Requirements and Recommendations for a Firearm and Toolmark Examiner Training Program
Firearms & Toolmarks	TIER 4 - under development	Standard Method for the Examination and Documentation of Tools and Toolmarks
Firearms & Toolmarks	TIER 4 - under development	Standard Test Method for the Examination and Restoration of Obliterated Serial Numbers
Footwear & Tire	TIER 4 - under development	Best Practice Recommendation for Examination and Documentation of Footwear and Tire Impression Evidence
Footwear & Tire	TIER 4 - under development	Best Practice Recommendation for the Chemical Processing of Footwear and Tire Impression Evidence
Footwear & Tire	TIER 4 - under development	Best Practice Recommendation for Articulation, Interpretation, and Conclusions in Footwear and Tire Report Writing and Testimony
Forensic Document Examination	TIER 4 - under development	Standard for Forensic Examination of Handwritten Items
Forensic Document Examination	TIER 4 - under development	Standard for the Preservation and Examination of Charred Documents
Forensic Document Examination	TIER 4 - under development	Standard for the Examination of Liquid Soaked Documents
Forensic Document Examination	TIER 4 - under development	Standard Guide for Minimum Training Requirements for Forensic Document Examiners
Forensic Document Examination	TIER 4 - under development	Standard for Initial Evidence Assessment for Forensic Document Examiners
Forensic Document Examination	TIER 4 - under development	Standard for the Expression of Conclusions in Handwriting Examinations
Forensic Document Examination	TIER 4 - under development	Standard Test Methods for the Comparison of Writing and Inkjet Inks
Friction Ridge	TIER 4 - under development	Standard for the Examination of Friction Ridge Evidence
Friction Ridge	TIER 4 - under development	Analysis of Friction Ridge Impressions
Friction Ridge	TIER 4 - under development	Comparison and Evaluation of Friction Ridge Impressions
Friction Ridge	TIER 4 - under development	Reporting Friction Ridge Examination Results
Friction Ridge	TIER 4 - under development	ABIS Best Practices
Friction Ridge	TIER 4 - under development	Terminology Related to Friction Ridge Examination
Friction Ridge	TIER 4 - under development	Best Practice Recommendations for Determining the Complexity of a Friction Ridge Impression (Fingerprint) Comparison.
Friction Ridge	TIER 4 - under development	Proficiency Testing
Friction Ridge	TIER 4 - under development	Method Validation
Friction Ridge	TIER 4 - under development	Performance Checks
Friction Ridge	TIER 4 - under development	Testimony Monitoring
Friction Ridge	TIER 4 - under development	Best Practice Recommendation for Limited Examinations
Friction Ridge	TIER 4 - under development	Standard for Feature Selection
Geological Materials	TIER 4 - under development	Standard Guide for Scanning Electron Microscopy (SEM)/Energy Dispersive Spectroscopy (EDS) Analysis of Soils and Geological Materials for Forensic Applications
Geological Materials	TIER 4 - under development	Standard Guide for Polarized Light Microscopy of Soils and Geological Materials for Forensic Applications
Geological Materials	TIER 4 - under development	Standard Guide for X-Ray Diffraction of Soils and Geological Materials for Forensic Applications
Gunshot Residue	TIER 4 - under development	Organic Gunshot Residue Methodology

Gunshot Residue	TIER 4 - under development	Proposed Practices for Validating the Performance of Instruments Used for Automated Inorganic Gunshot Residue Analysis
Gunshot Residue	TIER 4 - under development	Inorganic GSR Identification
Gunshot Residue	TIER 4 - under development	Collection - pGSR
Gunshot Residue	TIER 4 - under development	Organic Gunshot Residue Methodology
Gunshot Residue	TIER 4 - under development	pGSR Prevalence Study
Materials (Trace)	TIER 4 - under development	Standard Guide for Forensic Human Hair Analysis and Comparison
Materials (Trace)	TIER 4 - under development	Standard Guide for the Forensic Examination of Non-Reactive Dyes in Textile Fibers by Thin-Layer Chromatography [14]
Materials (Trace)	TIER 4 - under development	Standard Guide for Using Scanning Electron Microscopy/X-Ray Spectrometry in Forensic Polymer Examinations
Materials (Trace)	TIER 4 - under development	Standard Practice for Interpretation and Report Writing in Forensic Comparisons of Trace Materials
Materials (Trace)	TIER 4 - under development	Standard Guide for Assessing Physical Characteristics in Forensic Tape Examinations
Materials (Trace)	TIER 4 - under development	Standard Guide for Using Light Microscopy in Forensic Tape Examinations
Materials (Trace)	TIER 4 - under development	Standard Practice for a Forensic Fiber Training Program
Materials (Trace)	TIER 4 - under development	Standard Practice for a Forensic Glass Analysis and Training Program
Materials (Trace)	TIER 4 - under development	Standard Guide for Using Pyrolysis Gas Chromatography and Pyrolysis Gas Chromatography-Mass Spectrometry in Forensic Polymer Examinations
Materials (Trace)	TIER 4 - under development	Standard Guide for Forensic Glass Analysis and Comparison
Materials (Trace)	TIER 4 - under development	Standard Guide for Forensic Fiber Analysis and Comparison
Materials (Trace)	TIER 4 - under development	Standard Guide for Forensic Analysis of Fibers by Microspectrophotometry (MSP)
Materials (Trace)	TIER 4 - under development	Trace Evidence Quality Assurance Document
Materials (Trace)	TIER 4 - under development	Trace Evidence Recovery Guideline - for crime scene personnel for collection of trace evidence
Materials (Trace)	TIER 4 - under development	Crime Scene Guide
Medicolegal Death Investigation	TIER 4 - under development	Medicolegal Death Investigation Workflow and Information Requirements
Medicolegal Death Investigation	TIER 4 - under development	Workload Limitations for Medicolegal Death Investigators
Medicolegal Death Investigation	TIER 4 - under development	Crime Scene/Death Investigation - Medicolegal Death Investigation Terms and Definitions
Seized Drugs	TIER 4 - under development	Test Method for Building an Analytical Scheme for the Analysis of Synthetic Opioids in Seized Drugs
Seized Drugs	TIER 4 - under development	Standard Guide for Assessment of Infrared Spectroscopy Data During the Qualitative Analysis of Seized Drugs
Seized Drugs	TIER 4 - under development	Supplemental Document for the Standard Guide for Assessment of Gas Chromatography & Electron Ionization Mass Spectrometry Data
Seized Drugs	TIER 4 - under development	Standard Guide for Reporting of Seized Drug Analysis Results
Seized Drugs	TIER 4 - under development	Standard Guide for the Analysis of Negatives in Seized Drugs
Speaker Recognition	TIER 4 - under development	Validation of Forensic Speaker Recognition for the Purpose of Informing Legal Admissibility Decisions
Speaker Recognition	TIER 4 - under development	Best Practices for Forensic Human-Supervised Automatic Speaker Recognition: Pre-Processing and Relevant Population Data Selection
Speaker Recognition	TIER 4 - under development	Foundational Scientific Literature for Forensic Speaker Recognition [15]
Speaker Recognition	TIER 4 - under development	Process Map of Recommended Practices in Forensic Speaker Recognition
Speaker Recognition	TIER 4 - under development	Assessing Mismatch Conditions for Forensic Speaker Recognition
Speaker Recognition	TIER 4 - under development	Training Guidelines for Legal Professionals Handling SPeaker Recogntion Cases
Toxicology	TIER 4 - under development	Standard for Evaluating Measurement Uncertainty of Quantitative Measurements in Forensic Toxicology
Toxicology	TIER 4 - under development	Standard for Breath Alcohol Instrument Specifications
Toxicology	TIER 4 - under development	Guidelines for Performing Alcohol Calculations in Forensic Toxicology
Toxicology	TIER 4 - under development	Standard Practices for Proficiency Testing of Forensic Toxicology Laboratories
Toxicology	TIER 4 - under development	Guidelines for Specimen Collection and Preservation in Forensic Toxicology
Toxicology	TIER 4 - under development	Standard Practice for the Content of Forensic Toxicology Standard Operating Procedures
Video/Imaging Technology & Analysis	TIER 4 - under development	Standard Guide for Forensic Video Analysis
Video/Imaging Technology & Analysis	TIER 4 - under development	Standard Guide for Image Based Comparison Conclusions
Video/Imaging Technology & Analysis	TIER 4 - under development	Guidelines for the Forensic Use of Photogrammetry

Video/Imaging Technology & Analysis	TIER 4 - under development	Standard Guide for Source and Content Authentication
Video/Imaging Technology & Analysis	TIER 4 - under development	Standard Guidelines for Autopsy Photography
Wildlife Forensics	TIER 4 - under development	Wildlife Forensics Methods - Collection of Known Samples from Live Animals
Wildlife Forensics	TIER 4 - under development	Standard for the Development and Use of Allele Frequency and Population Genetics Databases
Wildlife Forensics	TIER 4 - under development	Standard for the Development and Use of In-House Sequence Databases for Taxonomic Assignment of Wildlife
Wildlife Forensics	TIER 4 - under development	Method for Geographic Assignment of Individual Animals
Wildlife Forensics	TIER 4 - under development	Validation of Wildlife Sequences in Public Databases
Wildlife Forensics	TIER 4 - under development	Wildlife Forensics Reference Collection Standards