

OSAC Registry

FY 2020



The Organization of Scientific Area Committees (OSAC) for Forensic Science Registry is a repository of high-quality, technically sound standards and guidelines that address discipline-specific forensic science needs. Documents posted on the OSAC Registry have passed a rigorous technical and quality review by OSAC members, including forensic science practitioners, research scientists, statisticians and legal experts.

The following **37** documents were effective on the OSAC Registry at the end of fiscal year 2020 (ending September 30, 2020):

Biology/DNA

- ANSI/ASB Standard 022, *Standard for Forensic DNA Analysis Training Programs*, First Edition, 2019 (effective September 1, 2020).
- ANSI/ASB Standard 020, *Standard for Validation Studies of DNA Mixture, and Development and Verification of a Laboratory's Mixture Interpretation Protocol*, First Edition, 2018 (effective May 12, 2020).
- ANSI/ASB Standard 040, *Standard for Forensic DNA Interpretation and Comparison Protocols*, First Edition, 2019 (effective May 12, 2020).

Bloodstain Pattern Analysis

- ASB Technical Report 033, *Terms and Definitions in Bloodstain Pattern Analysis*, First Edition, 2017 (effective June 3, 2020).

Digital Evidence

- ASTM E2916-19e1 *Standard Terminology for Digital and Multimedia Evidence Examination* (effective July 7, 2020).
- ASTM E3017-19 *Standard Practice for Examining Magnetic Card Readers* (effective July 7, 2020).
- ASTM E3150-18 *Standard Guide for Forensic Audio Lab Setup and Maintenance* (effective July 7, 2020).

Disaster Victim Identification

- ANSI/ASB Best Practice Recommendation 007, *Postmortem Impression Submission Strategy for Comprehensive Searches of Essential Automated Fingerprint Identification System Database*, First Edition, 2018 (effective September 5, 2019).
- ANSI/ASB Best Practice Recommendation 010, *Forensic Anthropology in Disaster Victim Identification: Best Practice Recommendations for the Medicolegal Authority*, First Edition, 2018 (effective September 5, 2019).

Dogs & Sensors

- ASB Technical Report 025, *Crime Scene/Death Investigation – Dogs & Sensors – Terms and Definitions*, First Edition, 2017 (effective October 1, 2019).

Facial Identification

- ASTM E3115-17 *Standard Guide for Capturing Facial Images for Use with Facial Recognition Systems* (effective October 1, 2019).
- ASTM E3148-18 *Standard Guide for Postmortem Facial Image Capture* (effective October 1, 2019).
- ASTM E3149-18 *Standard Guide for Facial Image Comparison Feature List for Morphological Analysis* (effective February 14, 2019).

Fire and Explosion Investigation

- NFPA 921:2017 *Guide for Fire and Explosion Investigations* (effective November 1, 2017).
- NFPA 1033:2014 *Standard for Professional Qualifications for Fire Investigator* (effective December 22, 2016).

Materials (Trace)

- 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* (effective July 7, 2020).
- 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* (effective July 7, 2020).
- ASTM E3085-17 *Standard Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations* (effective September 11, 2018).
- ASTM E1610-18 *Standard Guide for Forensic Paint Analysis and Comparison* (effective June 26, 2018).
- ASTM E2937-18 *Standard Guide for Using Infrared Spectroscopy in Forensic Paint Examinations* (effective June 26, 2018).
- 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* (effective June 5, 2018).
- ASTM E2926-17 *Standard Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence (μ -XRF) Spectrometry* (effective July 31, 2017).

Odontology

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

Seized Drugs

- ASTM E2329-17 *Standard Practice for Identification of Seized Drugs* (effective August 7, 2018).
- ASTM E2548-11e1 *Standard Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis* (effective April 3, 2017).

Toxicology

- ANSI/ASB Standard 036, *Standard Practices for Method Validation in Forensic Toxicology*, First Edition, 2019 (effective July 7, 2020).
- ANSI/ASB Best Practice Recommendation 037, *Guidelines for Opinions and Testimony in Forensic Toxicology*, First Edition, 2019 (effective November 5, 2019).
- ANSI/ASB Standard 017, *Standard Practices for Measurement Traceability in Forensic Toxicology*, First Edition, 2018 (effective June 18, 2019).

Wildlife Forensics

- ANSI/ASB Standard 028, *Wildlife Forensics Morphology Standards*, First Edition, 2019 (effective June 3, 2020).
- ANSI/ASB Standard 047, *Wildlife Forensics Validation Standard – Validating New Primers for Sequencing*, First Edition, 2019 (effective June 3, 2020).

Interdisciplinary

- ISO 21043-2 *Forensic Science – Part 2: Recognition, recording, collecting, transport and storage of items* (effective December 3, 2019).
- ASTM E2917-19a *Standard Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs* (effective November 5, 2019).
- ISO/IEC 17025:2017 *General Requirements for the Competence of Testing and Calibration Laboratories* (effective June 18, 2019).
- ANSI/NIST ITL-1:2011 (Update 2013) *Data Format for the Interchange of Fingerprint, Facial & Other Biometric Information* (effective July 13, 2017).
- ISO/IEC 17020:2012 *Conformity Assessment – Requirements for the Operation of Various Types of Bodies Performing Inspection* (effective April 18, 2017).
- ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories* (effective September 27, 2016).