



VITAL Overview
AAFS Annual Scientific Meeting
February 2021
Julie Carnes

OSAC's Structure

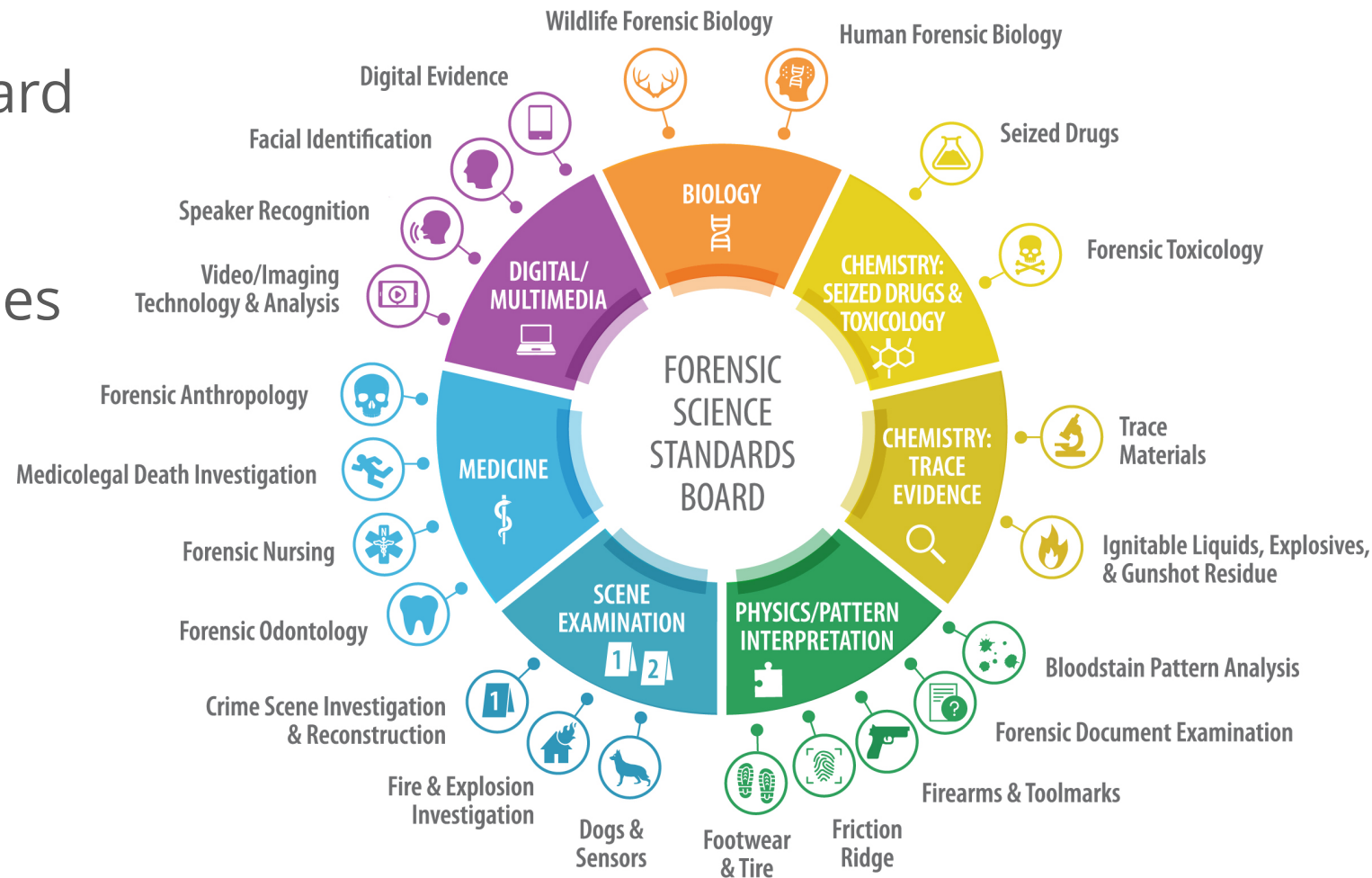
Forensic Science Standards Board (FSSB)

Seven Scientific Area Committees (SACs)

22 Subcommittees (SCs)

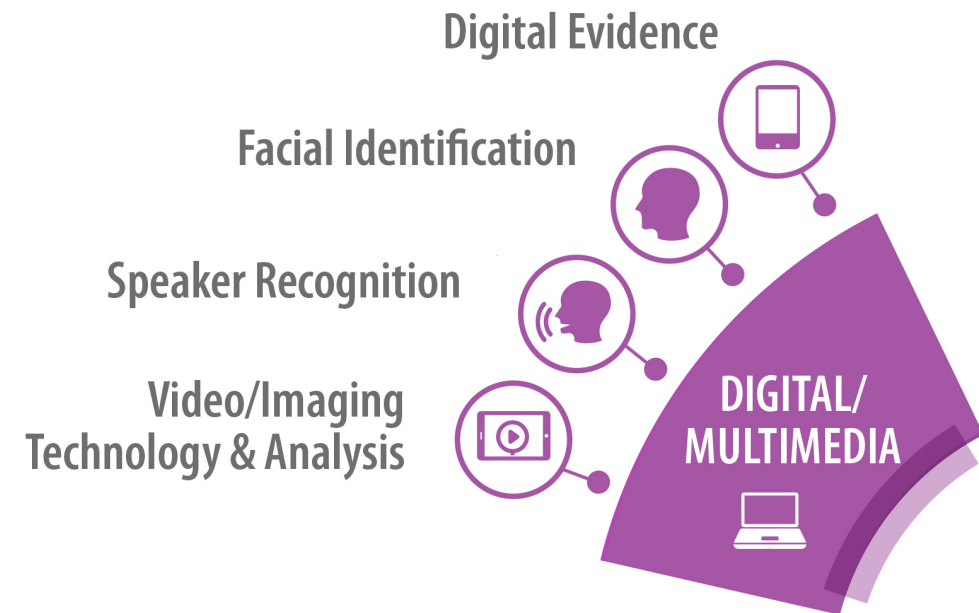
Four Resource Task Groups:

- Human factors
- Quality
- Legal
- Statistics



Video/Imaging Technology and Analysis (VITAL)

- Focuses on standards and guidelines related to the application of methods and technologies to analyze information related to forensic imagery from a variety of systems.
- This encompasses aspects of capture, storage, processing, archiving, quality assurance and training.



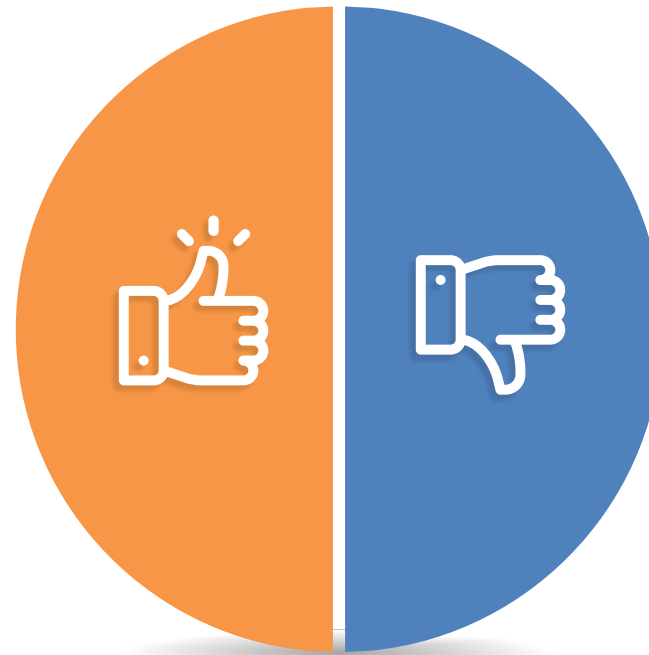
What OSAC...

DOES

Facilitates development of science-based standards through the formal SDO processes

Evaluates OSAC proposed and SDO published standards for placement on the OSAC Registry

Endorses OSAC proposed and SDO published standards on the Registry & **promotes** their implementation



DOESN'T

Publish standards

Have the authority to enforce standards

OSAC Document Tiers

1

- Documents on the **OSAC Registry**
- Approved by OSAC – highest level of vetting

43
documents

2

- OSAC supported standards **published** by an SDO
- Completed SDO consensus process

114
documents

3

- OSAC drafted standards **sent to an SDO**
- Drafted with input from RC and approved by SAC

136
documents

4

- **Under development**
- Working draft document inside OSAC development process and not yet publicly available

148
documents

Tier 4: Standards Under Development



- Standard Guide for Autopsy Photography
- Standard Guide for Laboratory (Controlled Environment) Photography
- Standard Guide for Forensic Video Analysis
- Standard Guide for Photogrammetry
- Standard Guide for Source and Content Authentication

Tier 4: Standards Under Development



Standard Guide For Photogrammetry

Key Components:

- Multiple methodologies for photogrammetric examinations
- Recommendations for performing photogrammetric examinations
- Evidentiary value of photogrammetric examinations, common questions asked, and reporting

Current Status:

- Addressing feedback
- Revision in progress

Tier 4: Standards Under Development



Standard Guide for Forensic Video Analysis

Key Components:

- Quality Assurance
- Assessment
- Processing
- Analysis
- Results
- Reports

Current Status:

- Addressing feedback
- Revision in progress

Tier 3:
Sent to SDO



ASTM INTERNATIONAL

www.astm.org

- Standard Guide for Image Based Comparison Conclusions (WK74814)
- Standard Guide for Developing Discipline Specific Methodology by ACE-V (WK72441)
- Standard Guide for Crime Scene Photography (WK69872)
- Standard Guide for Latent Print Evidence Imaging Resolution (WK66357)
- Standard Training Guidelines for Video Analysis, Image Analysis, and Photography (WK66417)
- The Standard Practice for Data Retrieval from Digital CCTV Systems (WK61709)

Tier 2:
Published by
SDO

- ASTM E2825-18 Standard Guide for Forensic Digital Image Processing



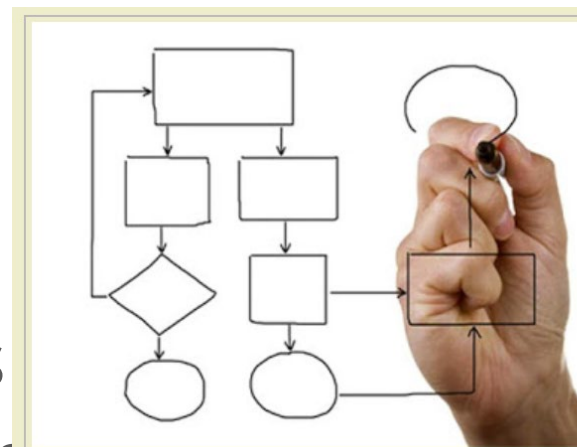
OSAC Registry



- Repository of high-quality, technically sound published and proposed standards and guidelines for forensic science.
- All standards on the OSAC Registry have passed a rigorous technical and quality review by OSAC members, including forensic science practitioners, research scientists, statisticians and legal experts.
- OSAC encourages the forensic science community to implement published and proposed standards.

Other Work Products

- Bibliographies
- Interlaboratory comparisons
- OSAC Lexicon
- Process maps
- R&D needs
- Reference documents
- Standards development maps
- Technical guidance documents
- Webinars/presentations



OSAC Communications



- Provides monthly updates on forensic science standards moving through development process at SDOs and those moving through OSAC Registry process
- Available on OSAC's website: <https://www.nist.gov/topics/organization-scientific-area-committees-forensic-science/osac-standards-bulletin>



- Quarterly communication that provides updates on OSAC's program status, activities, accomplishments, and opportunities for public input with internal and external audiences.
- Available on OSAC's website: <https://www.nist.gov/topics/organization-scientific-area-committees-forensic-science/osac-newsletter>



- Follow us! <https://www.linkedin.com/showcase/organization-of-scientific-area-committees-osac-for-forensic-science/>

How Can You Get Involved?

Sign up for OSAC communications



<https://service.govdelivery.com/accounts/USNIST/subscriber/new>



Become an OSAC member

<https://www.nist.gov/topics/organization-scientific-area-committees-forensic-science/apply-join-osac>

Review and comment on documents



Stay informed

<https://www.nist.gov/osac>

THANK YOU!

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