



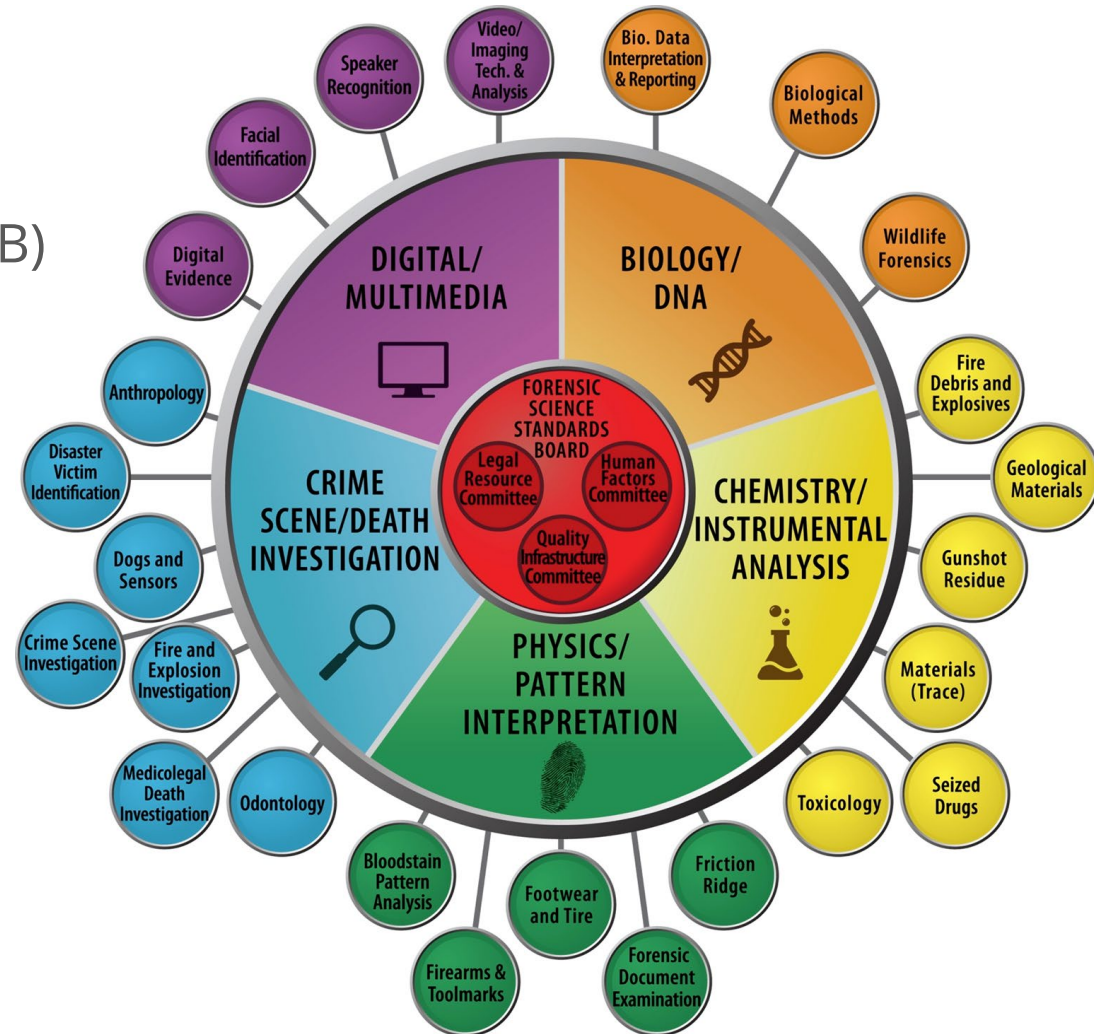
## **OSAC VITAL Update**

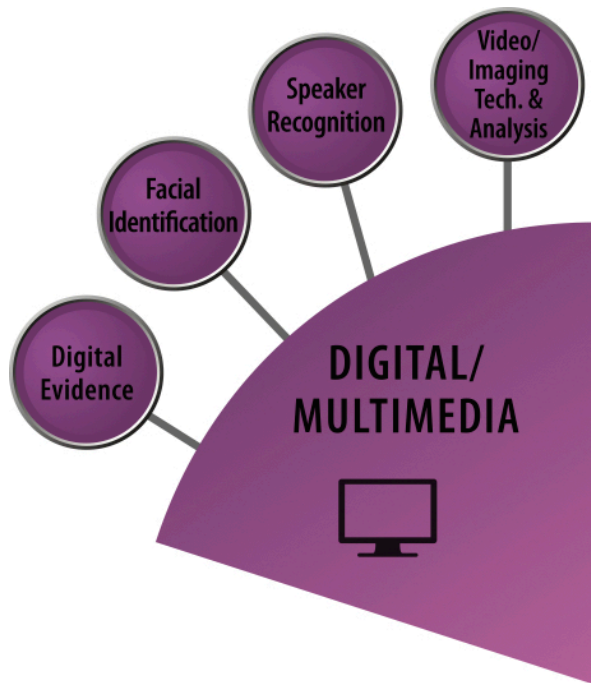
AAFS Meeting – February 2020

Julie Carnes

# OSAC's Structure

- Forensic Science Standards Board (FSSB)
- Scientific Area Committees (SACs)
- Subcommittees (SCs)
- Resource Committees (RCs)
- Task Groups (TGs)





## 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

## DOESN'T

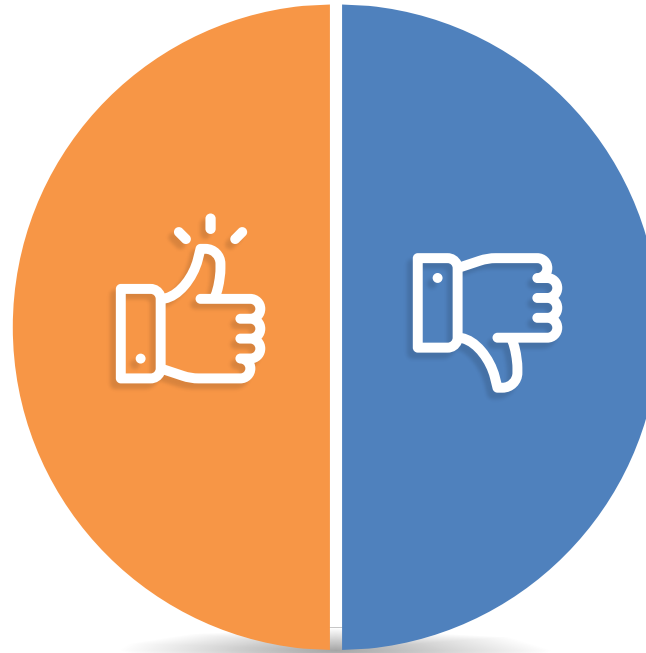
**Facilitates development** of science-based standards through the formal SDO processes



**Evaluates existing standards** published by SDOs for placement on the OSAC Registry



**Endorses standards** on the Registry & **promotes** their implementation



Publish standards



Have the authority to enforce standards

## Task Groups:

Image Analysis  
Photography  
Video Analysis



# Roadmap

Title
Standard Guide for Training Guidelines for Video Analysis, Image Analysis, and Photography
Data Acquisition from Digital CCTV Systems Video Recording Systems
Video Retrieval Canvassing & Crowdsourcing of Third-Party Video
Guidelines for Video Analysis
Standard Guide for Processing Digital Video Files
Standard Guide for Frame Timing Analysis of H.264 Video in ISO Base Media File Formats
Video and Audio Redaction for Legal & Public Disclosure
Standard for Conclusions in Image and Video Analysis
Guidelines for the Forensic Use of Photogrammetry
Standard Guide for Image Authentication
Standard Guide for Latent Print Evidence Imaging Resolution Incorporation of all existing documents into an all-encompassing standard guide
Crime Scene Photography
Standard Guidelines for Autopsy Photography
Standard Guidelines for Laboratory Photography
Guideline for Image Management
Discipline-Specific Resolution Needs
Equipment Recommendations and Considerations Document
Practical Considerations for Submission and Presentation of Multimedia Evidence in Court
Application of Image Science to Forensic Disciplines

# Standards in Progress – Under Development

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

# 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



# Standard Guide for Forensic Video Analysis

## **Key Components:**

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

## **Current Status:**

- Addressing feedback
- Revision in progress

# Standard Guide for Image Based Comparisons

## Key Components:

- Conclusions:
  - Exclusions
  - Support for Exclusions
  - Inconclusive
  - Support for Common Source
  - Strong Support for Common Source

## Current Status:

- Draft

# Standards in Progress – at SDO



ASTM INTERNATIONAL

[www.astm.org](http://www.astm.org)

- Standard Training Guidelines for Video Analysis, Image Analysis, and Photography (WK66417)
- Standard Guide for Latent Print Evidence Imaging Resolution (WK66357)
- The Standard Practice for Data Retrieval from Digital CCTV Systems (WK61709)
- Standard Guide for Crime Scene Photography (WK69872)

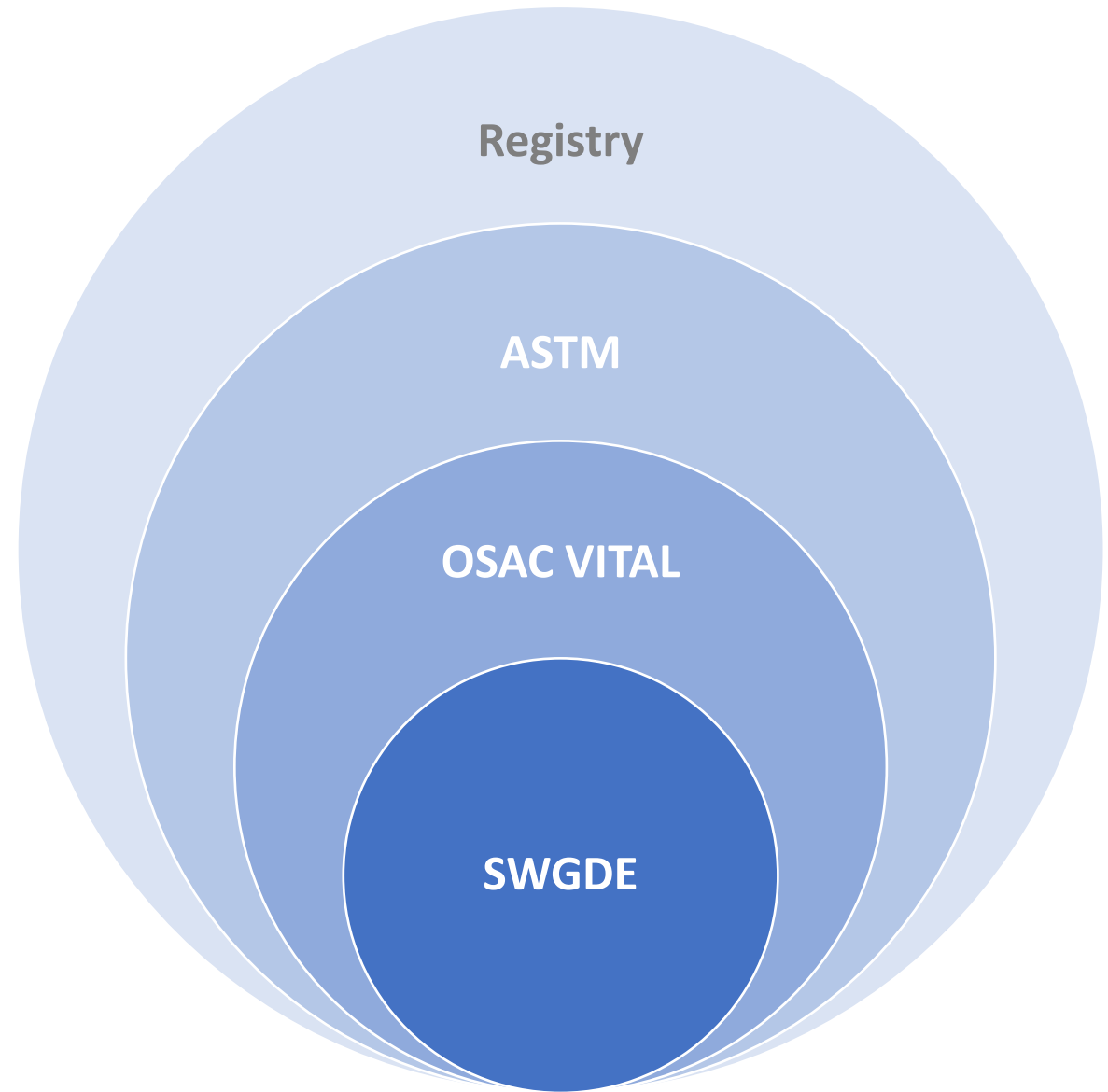
# Registry Process

In Progress:

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



# Partnerships



# 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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