Digital / Multimedia

Richard W. Vorder Bruegge, Ph.D.
Digital/Multimedia SAC Chair
Federal Bureau of Investigation
Digital / Multimedia SAC

• Subcommittees
  – Digital Evidence
  – Facial Identification
  – Speaker Recognition
  – Video/Imaging Technology & Analysis

• Solid foundation of documents for all derived from Scientific Working Groups and others
  – QIC identified over 80 relevant documents
  – Some have been through an SDO (e.g., ASTM, ISO...)
Digital / Multimedia SAC Success

• Two Documents on Cusp of Registry:
  • ASTM E2916.27543: Standard Terminology for Digital and Multimedia Evidence Examination

• Resource Committee Feedback is under consideration prior to submission to FSSB for vote.
Digital / Multimedia SAC: Foundational Concepts

- Define the Discipline
- Terminology
- Professional Qualifications
- Gap Analysis/Research Agenda
- Sample Identification and Collection
- Validation
  - Methods, tools, people
- Documentation
- Conclusion Scales
- Interpretation of Results
- Human Factors
- Automated Systems
Digital / Multimedia SAC

• Some Key DMSAC & OSAC Challenges:
  – Scientific Paradigm for Digital/Multimedia Forensics
  – Error Rates through Testing Examiners
  – Conclusion Scales – Coordinate with P/PESAC
  – Terminology – Discipline-specific vs. Global?

• Not a 1-, 2-, or 5-year project...nor is it without cost.