New Type-10 Fields and Best Practices for Facial Capture

2nd Workshop for ANSI/NIST-ITL 1-2011

March 1-3, 2011

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NEW TYPE-10 FIELDS

FBI Biometric Center of Excellence Face Collaboration Team

- FBI Criminal Justice Information Services Division
- FBI Operational Technology Division
- Booz Allen Hamilton
- Carnegie Mellon, CyLab
- IDTP
- MIT/Lincoln Laboratory
- MITRE
- NIST
- Noblis
- University of North Carolina Wilmington

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Proposed Type-10 Fields

- Field 10.014: Face image position coordinates within full image / FIP

- Field 10.018: Distortion / DIS

- Field 10.019: Lighting artifacts / LAF

- Field 10.029: 2D Facial feature points / FFP

- Field 10.031: Tiered Markup Collection (TMC)

- Field 10.032: Anthropometric 3D facial feature points/ AFF

BEST PRACTICES FOR FACIAL CAPTURE

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Charter

- Update the Best Practice Document [ANSI/NIST-ITL 1-2007 Annex I] for facial image capture to clarify level 50/51 pose angle requirements

- Streamline the presentation language in the Best Practice document and determining if its directions are current [ANSI/NIST-ITL 1-2007 Annex H and Annex I]

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Membership

- Mike Barrow
- Ben Bavarian
- Steven Bevan
- Mike Evanoff
- Ed German
- Will Graves
- Patrick Grother
- Eb Krone-Schmidt
- Eric Kukula
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- **Mike McCabe**

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- **Richard Vorder Bruegge**
- **Geoff Whitaker**
- **Brad Wing**
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Recommendations

- Merged:
  - Annex H – Best Practice Application Level 30
  - Annex I – Best Practice Image Capture Requirements for SAP Levels 40, 50, and 51
  - Annex J – Face-Pose Values

- Streamlined language

- Added Best Practices and Recommendations

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Questions?

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