Proposed technical changes to ANSI/NIST-ITL 1-2011

January 30, 2013

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Backlog of Comments

- By-product of work on *Machine-readable tables for ANSI/NIST-ITL and associated application profiles*

- Unearthed variety of
  - Editorial corrections
  - Technical clarifications

- Some of the technical clarifications are appropriate to bring up during this Workshop

- Brad intends to have the ANSI/NIST-ITL canvass vote on a small "update" at the same time as the Supplements

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Proposed technical changes

- Character types

  - Alphabetic (Code A) is currently defined as "26 English letters (both upper and lower case) **or spaces**"

  - "**or spaces**" was added after ANSI/NIST-ITL 1-2007 and breaks a large number of existing fields

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Proposed technical changes

- Friction ridge generalized position / FGP (Field 4.004)

  - Current text reads "Users are required to use Record Type-14 if transmitting a fingerprint image at greater than 20.08 ppmm (510 ppi)."

  - However, FBI EBTS uses Type-7 records for 1000ppi. Latent fingerprints are exchanged in Type-13, not Type-14, records.

  - Propose "Record Type-4 shall not be used to transmit a fingerprint image at greater than 20.08 ppmm (510 ppi)"

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Proposed technical changes

- Record Type-9: Minutiae data record

  - Request new fields that enable a latent examiner to annotate

    - a fingerprint image with temporary lines

    - individual features with color for display, and a comment

Proposed technical changes

- EFS corresponding points or features / CPF

    – Request changes to indicate optionally the location where an absent feature would have been expected

    – Request changing a "shall not be present" information item to optional

Proposed technical changes

- Record Type-13: Friction-ridge latent image record

  - Request new fields that define

    - if a ruler (or other known scale) is present, to aid in the automatic processing of resolution for latent images

    - the method used to determine resolution for a Type-13 record

Proposed technical changes

- Annex G missing XML elements

    - Field 9.901: Universal latent workstation annotation information / ULA

    - Field 9.902: Annotation information / ANN

    - Field 9.903: Device unique identifier / DUI

    - Field 9.904: Make/model/serial number / MMS

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