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

January 30, 2013
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
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
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)”
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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