# 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



- Character types
  - Alphabetic (Code A) is currently defined as "26 English letters (both upper and lower case) <u>or spaces</u>"
  - "<u>or spaces</u>" was added after ANSI/NIST-ITL 1-2007 and breaks a large number of existing fields





- 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)"



- 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



- 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



6

- 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



- 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





#### **Contacts**

Austin Hicklin hicklin@noblis.org 703-610-1995 John Mayer-Splain john.mayer-splain@noblis.org 703-610-2712



